

9. 研究成果

9.1 研究成果の概要

業績の区分は、京都大学教育研究活動データベースの定義に基づいて、以下、

- (A) 査読あり論文
- (B) 著書
- (C) その他

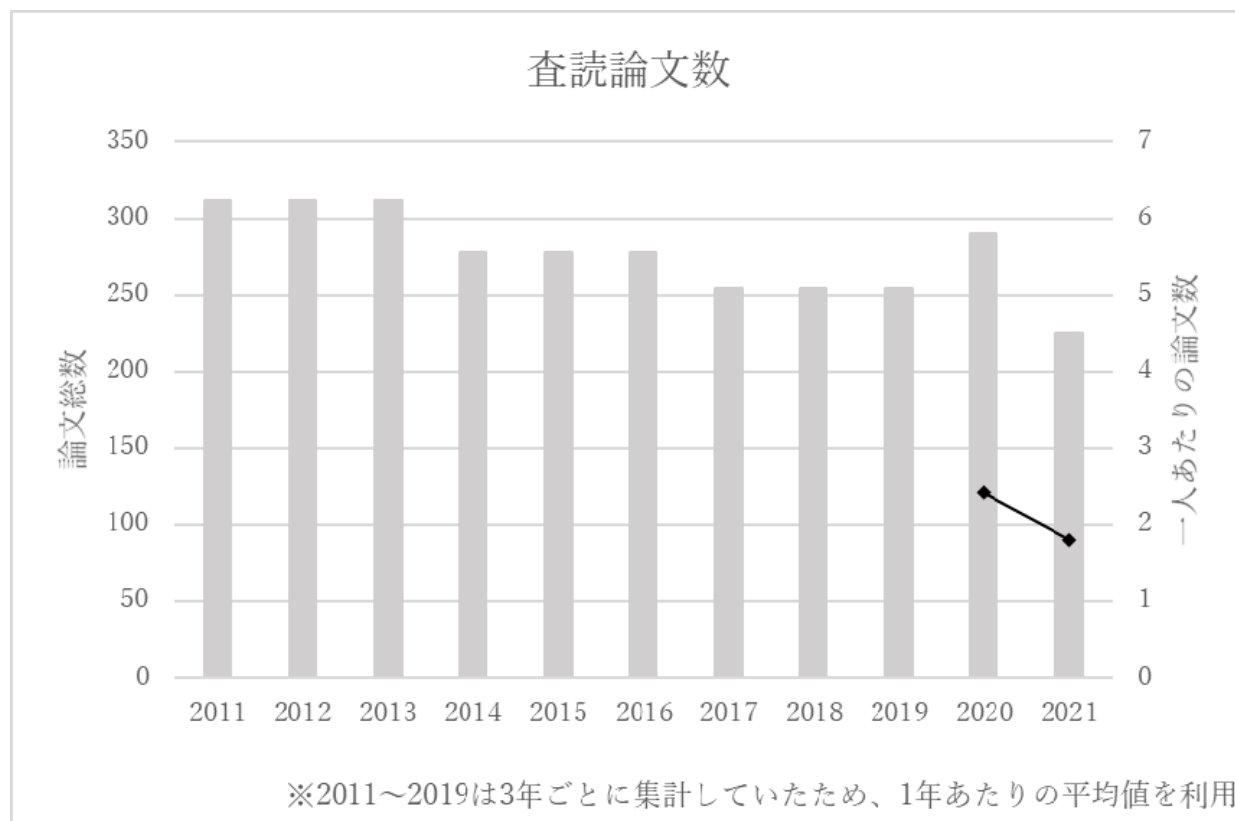
に分類した。

「(A) 査読あり論文」は、定期的に刊行される学術雑誌(journal)に掲載された peer reviewed paper, または、講演会を伴いその講演会で発表される論

文が前もって発表論文として査読されるものである。また、「(C) その他」は、解説・総説、紀要・報告書、講義・講演会テキスト、新聞・雑誌記事、講演会概要集などに掲載されたものである。なお、論文の分類は自己申告に基づく。

次節に、査読あり論文と特許についてのみ、リストアップしておく。リストは、日本語論文の後に英語論文の順となっている。

業績の区分	令和2年度 総数(編) (一人一年あたりの発表論文数)	令和3年度 総数(編) (一人一年あたりの発表論文数)
(A) 査読あり論文	290 (2.42 編/人)	225 (1.80 編/人)
(B) 著書	12	18
(C)その他	351	281



9.2 研究成果一覧

令和2年度

阿部紫織, 清水義彦, 浅沼順, 佐山敬洋: 令和元年台風 19 号による利根川上流域の洪水外力の推定と治水課題の考察, 202006, 河川技術論文集, 26, 71, 76

荒木 裕次, 安田 誠宏, Adrean WEBB, 森 信人: 畳み込みニューラルネットワークによる台風気象場を用いた高潮の時系列予測と長期評価, 公益社団法人 土木学会, 2020, 土木学会論文集 B 2 (海岸工学), 76, 2, I_1093, I_1098

安藤 圭, 鈴木 高二朗, 森 信人: 実設計への利用を考慮した耐衝撃波圧の部材設計方法の評価, 公益社団法人 土木学会, 2020, 土木学会論文集 B 2 (海岸工学), 76, 2, I_781, I_786

五十嵐 孝, 竹林 洋史, 浜田 裕貴, 田中安理沙, 上村 雄介: 平成 28 年熊本地震後の降雨による土砂災害発生状況と土砂災害危険度判定, 202011, 土木学会論文集 B1 (水工学), 76, 2, I_871, I_876

石田裕哉, 永谷言, 小島裕之, 米澤公太郎, 倉橋実, 藤塚佳晃, 川村育男, 水野直弥, 佐藤嘉展, 角哲也, 角哲也: 気候変動と堆積進行がダムの治水・利水機能に及ぼす影響の評価指標化の提案, 2020, 国土文化研究所年次報告, 18, I_1333, 1338

伊勢正, 日高達也, 磯野猛, 臼田裕一郎, 矢守克也: 状況論的学習観に基づく災害情報システムの学習に関する考察, 202005, 自然災害科学, 39, 1

伊藤 輝, 宮本 順司, 上田 恭平: 波による地盤の液状化に関する堆積方向の異方性の影響, 公益社団法人 土木学会, 2020, 土木学会論文集 B3 (海洋開発), 76, 2, I_474, I_479

伊藤毅彦, 尾形勇紀, 佐山敬洋, 片岡智哉, 小野村史穂, 二瓶泰雄: 実績降雨及びアンサンブル予測降雨に基づく令和元年台風 19 号の荒川氾濫リスク評価, 202011, 土木学会論文集 (水工学), 76, 2, 769, 774

稲垣智也, 田中茂信, 田中賢治: 陸面過程解析と衛星データによる地表面温度の比較検証, 202011, 土木学会論文集 B1(水工学), 76, 2, 229, 234

井上和真, 齋藤溪太, 梅山雄多, 五十嵐晃, 池田隆明: 強震動の観測記録に基づく周期特性を考慮した 2 方向地震動の方向性分析, 土木学会, 20200908, 土木学会論文集 A1 (構造・地震工学), 76, 4, I_205, I_213

岩川 岳史, 佐藤 嘉展, 竹門 康弘, 角 哲也: 集水域の植生管理による湿地再生が小水力発電ポテンシャルに与える影響の評価, 土木学会, 2020, 水工学論文集 Annual journal of Hydraulic Engineering, JSCE, 65, I_1339, 1344

岩見収二, 藤田正治: 露出礫の遮蔽効果と空隙率変化を考慮した河床変動モデルの現地土砂供給実験への適用, 2020, 土木学会論文集 B1 (水工学), 76, 2, I_1147, I_1152

上田 恭平, 井合 進: 初期構造異方性を考慮したひずみ空間多重せん断モデルによる誘導異方性の表現, 202011, 土木学会論文集 A2 (応用力学), 76, 2, I_359, I_367

上田 恭平, 澤田 凱人, 渦岡 良介: 盛土圧密進行中に地震作用を受ける粘性土地盤の動的挙動に関する遠心模型実験, 公益社団法人 土木学会, 202009, 土木学会論文集 A1 (構造・地震工学), 76, 4, I_237, I_248

植村佳大, 高橋良和, 後藤浩之: メナーゼヒンジにおける縦方向のひび割れの発生メカニズムに関する検討, 2020, 土木学会論文集 A1 (構造・地震工学), 76, 4, I_363, I_376

浦野 健太, 廣井 慧, 米澤 拓郎, 河口 信夫: ドキドキをセンシングして可視化する LED ライティングデバイス, 202006, 情報処理学会マルチメディア, 分散, 協調とモバイルシンポジウム 2020 論文集, 1616, 1622

浦野 大介, 森 信人, 志村 智也, 水田 亮: 海洋表層混合を考慮した全球大気・波浪・海洋結合モデルによる台風強度特性の評価, 公益社団法人 土木学会, 2020, 土木学会論文集 B 2 (海岸工学), 76, 2, I_1117, I_1122

江頭 進治, 竹林 洋史, 萬矢 敦啓, 原田 大輔: 土石流・掃流砂・浮遊砂・泥流の統一解釈, 土木学会, 202011, 土木学会論文集 B1 (水工学), 76, 2, I_1123, I_1128

河崎 昇司, 竹林 洋史, 瀧川 紀子, 藤原 望: 流砂を伴う急流河川とバイパス管路の合流方法の検討, 202006, 河川技術論文集, 26, 603, 608

大西正光, 矢守克也, 大門大朗, 柳澤航平: リグレット感情を考慮した津波避難ーリグレットマップ作製の試みー, 2020, 災害情報

大橋聖和, 大坪 誠, 松本 聡, 小林健太, 佐藤活志, 西村卓也: 九州中部の第四紀テクトニクスと 2016 年熊本地震ー地質-地震-測地の複眼的視点からー, 20200825, 129, 4, 565, 589

- 奥村 裕史, 恩田 千早, 佐藤 高音, 角 哲也: スルーシングトンネルを用いた水力発電ダムにおける濁水管理および土砂管理 (ICOLD2019 第 87 回年次例会(オタワ)発表論文(その4)発表論文テーマ2,3) -- (ICOLD2019 第87回年次例会(オタワ)発表論文テーマ 2), 日本大ダム会議, 202004, 大ダム = Large dams, 63, 251, 17, 24
- 小坂田ゆかり, 中北英一: 線状対流系の擬似温暖化実験における解像度依存性と将来変化のマルチスケール解析, 土木学会, 2020, 水工学論文集 Annual journal of Hydraulic Engineering, JSCE, 76, 2, I_1, I_6
- 加島 寛章, 森 信人: 斜面上の非線形性の振る舞いと最高波高の出現特性についての実験的研究, 公益社団法人土木学会, 2020, 土木学会論文集B 2 (海岸工学), 76, 2, I_43, I_48
- 川池 健司, 武田 誠, 豊田 政史, 余川 弘至, 山野井 一輝, 中川 一: 氾濫流による土砂堆積に着目した千曲川決壊氾濫の現地調査と数値解析, 土木学会, 2020, 水工学論文集 Annual journal of Hydraulic Engineering, JSCE, 65, 2, I_883, 888
- 河田慈人, 竹之内健介, 矢守克也: 「地域気象情報」を軸とした、災害を「我がこと」として考える取り組み: 伊勢宮川中学校での防災教育実践, 2020, 防災 教育学研究, 1, 141, 152
- 木曾 哲志, 安田 誠宏, Andrew KENNEDY, 森 信人: 津波・高波による巨礫移動現象の数値モデルを用いた検討, 公益社団法人 土木学会, 2020, 土木学会論文集B 2 (海岸工学), 76, 2, I_415, I_420
- 金玖淑, 有年秀介, 曾我部哲人, 大津山堅介, 松原龍, 渡辺 竜之, 岸川英樹, 牧紀男: 復興まちづくりについて考える啓発ツールとしてボードゲームの効果一事前復興ワークショップ参加者の追跡調査を通して一, 202011, 地域安全学会論文集, 37, 309, 318
- 木村 雄一郎, Thaw Tar, 小野 泰明, 上田 恭平, 渦岡 良介: サクシオンバケット基礎の一方向および繰返し水平荷重に対する耐力特性評価, 公益社団法人 土木学会, 2020, 土木学会論文集B3 (海洋開発), 76, 2, I_438, I_443
- 黒田 望, 梶谷 義雄, 多々納 裕一: 浸水時における事業所資産の脆弱リティ曲線の推計: 平成30年7月豪雨を対象として, 202009, 土木学会論文集B1 (水工学), 76, 1, 70, 80
- 小柴 孝太, 角 哲也: ガウス過程回帰を用いた音響信号に基づく掃流砂量・粒径の推定, 土木学会, 2020, 水工学論文集 Annual journal of Hydraulic Engineering, JSCE, 65, I_1021, 1026
- 小柴孝太, 角哲也: ガウス過程回帰を用いた音響信号に基づく掃流砂量・粒径の推定, 2020, 土木学会論文集, B1 (水工学),
- 小島 裕之, 永谷 言, 久保 裕基, 孫 夢霞, 川村 育男, 角 哲也: 気候変動下における事前放流が貯水池内堆砂進行特性に与える影響, 土木学会, 2020, 水工学論文集 Annual journal of Hydraulic Engineering, JSCE, 65, I_853, 858
- 小槻 峻司, 桃井 裕広, 菊地 亮太, 渡部 哲史, 山田 真史, 阿部 紫織, 綿貫 翔: 回帰学習器のアンサンブル学習による降雨洪水氾濫モデル・エミュレータ-EMULATING RAINFALL-RUNOFF-INUNDATION MODEL THROUGH ENSEMBLE LEARNING OF MULTIPLE REGULARIZED REGRESSORS, 2020, 水工学論文集 Annual journal of Hydraulic Engineering, JSCE / 土木学会水工学委員会 編, 65, I_367, 372
- 小槻峻司, 桃井裕広, 菊地亮太, 渡部哲史, 山田真史, 阿部紫織, 綿貫翔: 回帰学習器のアンサンブル学習による降雨洪水氾濫モデル・エミュレータ, 公益社団法人 土木学会, 202011, 土木学会論文集B1(水工学), 76, 2, I_367, I_372
- 境有紀, 新井健介: 国内の内陸地殻内地震を対象とした建物の大きな被害と相関の高い地震動強さ指標の予測式の構築, 202004, 日本建築学会構造系論文集
- 佐藤大介, 武田誠, 川池健司, 豊田政史: 排水過程および建物被害を考慮した千曲川破堤氾濫の数値解析, 202011, 土木学会論文集B1 (水工学), 76, 2, I_625, I_630
- 澁谷 容子, 森 信人, 中條 壮大, 梅田 尋慈: 2019年台風19号の高潮再現および台風経路の再現期間と将来変化, 公益社団法人 土木学会, 2020, 土木学会論文集B 2 (海岸工学), 76, 2, I_139, I_144
- 清水 美香, 橋本 学: 京都大学「地震リスクと不確実性」ワークショップシリーズ (2016~2018年度) 報告, 202005, 自然災害科学, 39, 1, 13, 18
- 志村 智也, 森 信人, 浦野 大介, 水田 亮: 波浪結合全球大気気候モデルによる波向-風向のずれを考慮した海面抵抗係数の台風統計量への系統的影響評価, 公益社団法人 土木学会, 2020, 土木学会論文集B 2 (海岸工学), 76, 2, I_151, I_156
- 謝金哲, 池田芳樹, 倉田真宏: 微動計測に基づく地震応答解析のための多自由度系線形建物モデルの構築, 202103, 構造工学論文集 (日本建築学会), 67B, 509, 518

- 謝金哲, 池田芳樹, 倉田真宏: 微動計測に基づく大規模低層商業建物の振動特性, 202103, 構造工学論文集(日本建築学会), 67B, 495, 507
- 庄子 和之, 廣井 慧, 米澤 拓郎, 酒田 理人, 河口 信夫: 滞在に関する時系列情報を用いたエリア毎の分散表現の検討, 202006, 情報処理学会マルチメディア, 分散, 協調とモバイルシンポジウム 2020 論文集, 1008, 1013
- 白石 英巨, 脇田 祥尚, 牧 紀男: プノンペン都心部における路地の空間特性と住民の活動, 202004, 日本建築学会計画系論文集, 85, 770
- 白石英巨, 脇田祥尚, 牧紀男: 交通行動からみたプノンペンの空間構造とショッピングハウス街区の居住特性, 202006, 日本建築学会計画系論文集, 第 85 卷, 第 772 号
- 関本大晟, 渡部哲史, 小槻峻司, 山田真史, 阿部紫織, 綿貫翔: 降雨流出氾濫モデル・エミュレータによる浸水氾濫予測, 202011, 土木学会論文集 B1(水工学), 76, 2, I_547, I_552
- 曾我部哲人, 牧紀男: 阪神・淡路大震災被災地域における長期の人口動態と超高層マンションによる都心回帰との関係性の分析, 20201025, 都市計画論文集, 55, 3, 1107, 1112
- 高岡剛規, 金尾伊織, 小島紘太郎, 倉田真宏: 使用済み配管繰り返し曲げ実験による変形性能の評価, 202103, 構造工学論文集, 67B, 367, 373
- 高田 祐希, 上田 恭平, 岡岡 良介: ため池堤体の浸透流を考慮した地震時挙動とその対策工の効果, 202008, 土木学会論文集 C (地圏工学), 76, 3, 254, 265
- 竹之内健介, 矢守克也, 千葉龍一, 松田哲裕, 泉谷依那: 地域における防災スイッチの構築—宝塚市川面地区における実践を通じて—, 2020, 災害情報
- 田坂彰英, 田中賢治, 田中茂信: 水収支から推定される流域平均降水量の特性, 202011, 土木学会論文集 B1(水工学), 76, 2, 31, 36
- 田中茂信, 北野利一: 降水量の POT 解析における L-moment を用いた閾値選定方法, 202111, 土木学会論文集 B1(水工学), 77, I_1165, I_1170
- 団栗直希, 西嶋一欽: 強風ハザード適合台風群の累積疲労損傷評価, 202007, 日本風工学会論文集, 45, 3, 93, 102
- 千々和詩織, 矢守克也: 長期的な視点に立った学校防災教育の実施と検証に関する試論, 2020, 災害情報, 18, 25, 34
- 千田 優, 福井 信気, 森 信人, 安田 誠宏, 山本 剛士: 漂流物と流れ場の時空間計測データを用いた複雑流れ場における津波漂流物挙動の解析, 公益社団法人 土木学会, 2020, 土木学会論文集 B 2 (海岸工学), 76, 2, I_313, I_318
- 土井一生, 前田拓人, 釜井俊孝, 王功輝: 地震波形記録による斜面崩壊の発生場所と発生形態の推定—2017 年九州北部豪雨災害・日田市小野地区の斜面崩壊を例として—, 20201210, 応用地質, 61, 5, 245, 254
- 中條 壮大, 森 信人: 全球確率台風モデルを用いた将来の台風特性の都市域スケールでの評価, 公益社団法人 土木学会, 2020, 土木学会論文集 B 2 (海岸工学), 76, 2, I_1141, I_1146
- 永田 吉輝, 廣井 慧, 米澤 拓郎, 河口 信夫: 複数の 3D 通過センサによるプライバシーを考慮した人流推定手法, 202006, 情報処理学会マルチメディア, 分散, 協調とモバイルシンポジウム 2020 論文集, 1020, 1028
- 中野一慶, 吉田護, 多々納裕一: Shared Socioeconomic Pathways の社会経済シナリオを考慮した市区町村人口の推計, 202004, 土木学会論文集 D3 (土木計画学), 75, 6, I_219, I_229
- 中野元太, 矢守克也: 〈リスク社会〉と〈危険社会〉の防災教育, 202009, 災害と共生, 4, 1, 83, 94
- 中村創, 竹林洋史: ハイドロバリヤー水制を用いた河道横断形状の二極化の低減に関する研究, 202011, 土木学会論文集 B1 (水工学), 76, 2, I_1219, I_1224
- 中村創, 竹林洋史, 橋本健一: 水制工を用いた動的安定状態の交互砂州の形成に関する実験的研究, 202011, 土木学会論文集 B1 (水工学), 76, 2, I_1213, I_1218
- 西嶋一欽: スウェーデン若手アカデミーとの国際連携, 202004, 学術の動向, 25, 4, 66, 70
- 西嶋一欽, 藤枝絢子, 中村遂彦, 小林広英, 神崎護: 包摂的アプローチによる伝統建築ニマラタンの建設持続性評価, 202103, 住総研研究論文集・実践研究報告集, 47, 61, 72
- 西嶋一欽, 米田格, 清水勝: 絶対圧センサを用いた高精度風圧実測システムの開発, 202012, 風工学研究論文集, 26, 314, 323
- 西脇 文哉, 畑山 満則, 大西 正光, 伊藤 秀行: 地域資源活用を考慮した災害直後から稼働する物資支援計画に関する研究, 2020, 土木学会論文集 D3 (土木計画学), 75, 6, I_83, I_100
- 野口新之助, 山野井一輝, 川池健司, 中川一: 平成30年7月豪雨災害データに基づく生産土砂量及び土砂堆積域の確率的予測手法, 202011, 土木学会論文集 B1 (水工学), 76, 2, I_877, I_882
- 野田博之: 断層滑りの支配的な変形機構の遷移を考慮に入

- れた動的地震サイクルシミュレーション, 20200825, 129, 4, 491, 510
- 野原 大督, 木谷 和大, 道広 有理, 角 哲也: 利水ダムにおける事前放流の意思決定へのECMWF中期アンサンブル予報の利用性の分析, 土木学会, 2020, 水工学論文集 Annual journal of Hydraulic Engineering, JSCE, 65, I_829, 834
- 橋本 学: 作られつつある地震科学と南海トラフの地震に関する臨時情報, 202005, 自然災害科学, 39, 1, 5, 9
- 馬場康之: 沖合観測点における水温変動傾向と近年の黒潮の離脱岸について, 202010, 土木学会論文集 B1 (水工学), 76, 2, 1483, 1488
- 原田陽弓, 後藤浩之, 澤田純男: 液状化地盤上の盛土における引張クラック発生メカニズムについての一考察, 2020, 土木学会論文集 A1 (構造・地震工学), 76, 4, I_96, I_105
- 平野 流, 廣井 慧, 米澤 拓郎, 河口 信夫: 大規模分散環境における人流・交通流シミュレータの設計と課題, 202006, 情報処理学会マルチメディア, 分散, 協調とモバイルシンポジウム 2020 論文集, 772, 777
- 廣井 慧, 井上 朋哉, 明石 邦夫, 湯村 翼, 廣中 颯, 菅野 洋信, 宮地 利幸, 篠田 陽一: ARIA: シミュレーション・エミュレーション連携基盤を利用したインタラクティブな都市型水害の被害予測システム, 202005, 情報処理学会論文誌 コンシューマ・デバイス&システム (CDS), 10, 2, 11, 25
- 廣井 慧, 村上 大輔, 倉田 和己, 田代 喬, 篠田 陽一: データ同化による浸水位推定手法の提案と都市型水害での精度検証, 202010, 情報処理学会論文誌 コンシューマ・デバイス&システム (CDS), 10, 3, 55, 64
- 福井信気, 森 信人, Che-Wei Chang, 千田 優, 安田誠宏, 山本剛士: 沿岸市街地モデルを用いた津波・高潮浸水実験と解析, 2020, 土木学会論文集 B2 (海岸工学), 76, 2, I_373, I_378
- 福澤暁人, 池田芳樹, 倉田真宏: 建物の基部と上部および周辺地盤の地震記録から同定した振動モード特性に基づく地盤と鉄筋コンクリート造建物の動的相互作用の評価, 202103, 構造工学論文集 (日本建築学会), 67B, 483, 494
- 藤井聡, 宮沢孝幸, 高野裕久, 桑原篤憲, 清野純史, 矢守克也, 柴山桂太, 大西正光, 山田忠史, 川端祐一郎, 中尾聡史: 国民被害の最小化を企図した新型コロナウイルス対策における基本方針の提案, 202007, 実践政策学, 6, 1, 103, 198
- 藤木 峻, 森 信人, 川口 浩二, 田村 仁: 方向スペクトルの多峰性を考慮したスペクトル型波浪モデルの精度評価, 公益社団法人 土木学会, 2020, 土木学会論文集 B 2 (海岸工学), 76, 2, I_181, I_186
- 藤田 翔乃, 畑山 満則: 航空写真を用いた深層学習による地震災害時の屋根損傷家屋の把握, 2020, 土木学会論文集 D3 (土木計画学), 75, 6, I_127, I_135
- 藤森 健人, 川池 健司, 山野井 一輝, 中川 一: 建物内部への浸水を考慮した氾濫実験と基礎的な数値解析モデル検証への適用, 土木学会, 2020, 水工学論文集 Annual journal of Hydraulic Engineering, JSCE, 65, I_673, 678
- 松本聡, 飯尾能久, 酒井慎一, 加藤愛太郎: 超多点稠密地震観測による断層帯発達過程の解明に向けて-2000 年鳥取県西部地震域への適用-, 2020, 地学雑誌, 129, 4, 511, 527
- 松山 仁, 浦野 健太, 廣井 慧, 梶 克彦, 米澤 拓郎, 河口 信夫: 社交ダンスの動作特性を考慮したマルチモーダルセンサによるダンスフィガー認識, 202010, 情報処理学会論文誌, 61, 10, 1591, 1604
- 南野皓亮, 西嶋一欽: 馬蹄形断面を有する園芸用ハウスの設計用風力係数に関する研究, 202012, 風工学研究論文集, 26, 233, 241
- 宮下 卓也, Octavio GOMEZ-RAMOS, 森 信人: 適合格子細分化法を用いた南海トラフ沿いの巨大地震津波の数値計算, 公益社団法人 土木学会, 2020, 土木学会論文集 B 2 (海岸工学), 76, 2, I_289, I_294
- 宮下卓也, GOMEZ-RAMOS Octavio, 森信人: 適合格子細分化法を用いた南海トラフ沿いの巨大地震津波の数値計算, 2020, 土木学会論文集 B2(海岸工学)(Web), 76, 2
- 村井 大地, 廣井 慧, 米澤 拓郎, 河口 信夫: Wi-Fi パケットセンサを用いた大規模レジュー施設における行動パターンの分析, 202006, 情報処理学会マルチメディア, 分散, 協調とモバイルシンポジウム 2020 論文集, 766, 771
- 森 信人, 福井 信気, 志村 智也: 気候変動を考慮した我が国の三大湾の高潮最大潮位偏差についての研究レビュー, 公益社団法人 土木学会, 2020, 土木学会論文集 B 2 (海岸工学), 76, 1, 1, 6
- 森 壮太郎, 森 信人: d4PDF/d2PDF にもとづく気候変動による熱帯低気圧強度の将来変化, 公益社団法人 土木学会, 2020, 土木学会論文集 B 2 (海岸工学), 76, 2, I_1099, I_1104
- 山隈直人, 阪田弘一, 木多道宏, 岩佐明彦, 新井信幸, 牧紀

- 男, 平田隆行: 建設実験に基づく被災地地元業者主体による規格型応急仮設住宅供給のための施工可能性の検討, 20201030, 日本建築学会計画系論文集, 85, 776, 2129, 2138
- 山路昭彦, 増田有俊, 中北英一: 2次元セル追跡手法に基づいた高詳細レーダ降雨情報による短時間降雨予測手法の開発, 2020, 河川技術論文集, 26 (CD-ROM)
- 山下大輝, 後藤浩之, 澤田純男: 分岐断層の破壊進展方向に関する XFEM シミュレーション, 2020, 土木学会論文集 A2 (応用力学), 76, 2, I_217, I_224
- 山田真史, 富樫冨佳, 佐山敬洋: 分布型降雨流出氾濫モデルに適用する中小河川の河道断面推定法, 202006, 河川技術論文集, 26, 1, 211, 216
- 山田 真澄: 多面体地球儀の作成, 公益社団法人 日本地震学会, 2020, 地震 第2輯, 72, 0, 91, 99
- 山野井 一輝, 堤 大三, 藤田 正治: ストリームチューブに基づく地形分割を用いた斜面崩壊と土砂流出の統合シミュレーション, 2020, 土木学会論文集 B1 (水工学), 76, 2, I_889, I_894
- 矢守克也: 避難学を構想するための7つの提言, 2020, 災害情報, 18, 181, 186
- 矢守克也: 書評論文 八木絵香「続・対話の場をデザインする」:, 2020, 災害と共生
- 矢守克也: 書評論文 稲葉陽二 (著)『ソーシャル・キャピタル入門』, 2020, 災害と共生, 4, 133, 141
- 矢守克也: シュリンク・シュランク・シュリンキングー縮小の「前」と「後」-, 2020, 災害と共生
- 矢守克也: 「境界なき災害」—人文系自然災害科学から見たコロナ禍, 2020, 自然災害科学, 39, 89, 100
- 李勇昕, 矢守克也: 津波避難訓練支援アプリ「逃げトレ」の活用法, 2020, 災害情報
- 武若 聡, 内堀 圭一郎, 海老原 友基, 森 信人: 沿岸漂砂量の時空間分布の推定, 公益社団法人 土木学会, 2020, 土木学会論文集 B 2 (海岸工学), 76, 2, I_451, I_456
- 鷺田 健斗, 廣井 慧, 米澤 拓郎, 河口 信夫: 粒度の異なる多様な時空間データの保存・抽出システム的设计と実装, 202006, 情報処理学会マルチメディア, 分散, 協調とモバイルシンポジウム 2020 論文集, 1014, 1019
- 渡部哲史, 小槻峻司, 鼎信次郎, 田中賢治, 樋口篤志: 2020年の記録的少雪に関する速報的分析, 20200505, 水文・水資源学会誌, 33, 3, 111, 117
- A. Shito, S. Matsumoto, T. Ohkura, H. Shimizu, S. Sakai, Y. Iio, H. Takahashi, H. Yakiwara, T. Watanabe, M. Kosuga, T. Okada, M. Yoshimi, Y. Asano: 3-D Intrinsic and Scattering Seismic Attenuation Structures Beneath Kyushu, Japan, AMER GEO-PHYSICAL UNION, 202008, JOURNAL OF GEOPHYSICAL RESEARCH-SOLID EARTH, 125, 8
- Akira Nagano, Yusuke Yamashita, Keisuke Ariyoshi, Takuya Hasegawa, Hiroyuki Matsumoto, Masanao Shinohara: Seafloor Pressure Change Excited at the Northwest Corner of the Shikoku Basin by the Formation of the Kuroshio Large-Meander in September 2017, Frontiers Media {SA}, 20210114, Frontiers in Earth Science, 8
- Alexandros P. Poulidis, Atsushi Shimizu, Haruhisa Nakamichi, Masato Iguchi: A computational methodology for the calibration of tephra transport nowcasting at sakurajima volcano, japan, 202101, Atmosphere, 12, 1, 1, 15
- Alexandros P. Poulidis, Masato Iguchi: Model sensitivities in the case of high-resolution Eulerian simulations of local tephra transport and deposition, Elsevier BV, 20210101, Atmospheric Research, 247, 105136, 105136
- Aliperti, G, Cruz Ana Maria: Promoting built-for-disaster-purpose mobile applications: An interdisciplinary literature review to increase their penetration rate among tourists, 202009, Journal of Hospitality and Tourism Management, 44, 193, 210
- Aliperti, G, Cruz, A. M: From Epidemics to Pandemic: Tips from the Past, 2020, Almatourism - Journal of Tourism, Culture and Territorial Development, 11, 22, 1, 17
- Ameha A. Muluneh, Sascha Brune, Finnigan Illsley-Kemp, Giacomo Corti, Derek Keir, Anne Glerum, Tesfaye Kidane, Jim Mori: Mechanism for Deep Crustal Seismicity: Insight From Modeling of Deformation Processes at the Main Ethiopian Rift, American Geophysical Union (AGU), 202007, Geochemistry, Geophysics, Geosystems, 21, 7
- Angela Meneses-Gutierrez, Takuya Nishimura: Inelastic deformation zone in the lower crust for the San-in Shear Zone, Southwest Japan, as observed by a dense GNSS network, Springer Science and Business Media LLC, 202012, Earth, Planets and Space, 72, 1
- Anirban CHAKRABORTY, Hiroyuki GOTO: Visualizing Data Saturation Process in Mapping Site Amplification of Earthquake Ground Motions, Japan Society for Natural Disaster Science, 202006, Journal of Natural Disaster Science, 40, 2, 14, 25
- Anurag Sahare, Kyohei Ueda, Ryosuke Uzuoka: Sensitivity and

- Numerical Analysis Using Strain Space Multiple Mechanism Model for a Liquefiable Sloping Ground, American Society of Civil Engineers, 2020, Geotechnical Special Publication, 2020-February, GSP 318, 51, 59
- Anurag Sahare, Yoshikazu Tanaka, Kyohei Ueda: Numerical study on the effect of rotation radius of geotechnical centrifuge on the dynamic behavior of liquefiable sloping ground, Elsevier BV, 202011, Soil Dynamics and Earthquake Engineering, 138, 106339, 106339
- Arata Ishikawa, Hiroshi Takebayashi, Masaharu Fujita: Numerical simulation of mud flow generated in atsuma, Hokkaido, Japan, 2020, 22nd Congress of the International Association for Hydro-Environment Engineering and Research-Asia Pacific Division, IAHR-APD 2020: "Creating Resilience to Water-Related Challenges"
- ASANO Kimiyuki: VARIATION IN SOURCE CHARACTERISTICS OF REPEATING M6-CLASS PLATE-BOUNDARY EARTHQUAKES OFF KESENNUMA, NORTHEAST JAPAN, Japan Association for Earthquake Engineering, 202012, Journal of Japan Association for Earthquake Engineering, 20, 8, 32, 44
- Atsushi Shimizu, Masato Iguchi, Haruhisa Nakamichi: Seasonal Variations of Volcanic Ash and Aerosol Emissions around Sakurajima Detected by Two Lidars, MDPI AG, 20210303, Atmosphere, 12, 3, 326, 326
- Audrius Sabūnas, Nobuhito Mori, Nobuki Fukui, Takuya Miyashita, Tomoya Shimura: Impact Assessment of Climate Change on Storm Surge and Sea Level Rise Around Viti Levu, Fiji, Frontiers Media SA, 20201126, Frontiers in Climate, 2
- Ayaho Mitsuoka, Azusa Shito, Satoshi Matsumoto, Yusuke Yamashita, Manami Nakamoto, Shin-ichi Sakai, Yoshihisa Iio, Hiroshi Shimizu, Kazuhiko Goto, Tomomi Okada, Mako Ohzono, Yoshiko Yamanaka, Masahiro Kosuga, Masayuki Yoshimi, Youichi Asano: Spatiotemporal Change in the Stress State Around the Hypocentral Area of the 2016 Kumamoto Earthquake Sequence, AMER GEOPHYSICAL UNION, 202009, JOURNAL OF GEOPHYSICAL RESEARCH-SOLID EARTH, 125, 9
- Azusa SHITO, Ayaho MITSUOKA, Satoshi MATSUMOTO, Takeshi MATSUSHIMA, Koki AIZAWA, Hiroshi SHIMIZU, Kazunari UCHIDA, Megumi KAMIZONO, Yoshiko TEGURI, Manami NAKAMOTO, Rintaro MIYAMACHI, Masayoshi ICHIYANAGI, Mako OHZONO, Kazumi OKADA, Kei KATSUMATA, Masamitsu TAKADA, Hiroaki TAKAHASHI, Yuichiro TANIOKA, Teruhiro YAMAGUCHI, Masahiro KOSUGA, Ryosuke AZUMA, Naoki UCHIDA, Kentaro EMOTO, Yusaku OHTA, Tomomi OKADA, Toshiki KAIDA, Tomofumi KOZONO, Syuichi SUZUKI, Ryota TAKAGI, Tomotsugu DEMACHI, Hisashi NAKAHARA, Takashi NAKAYAMA, Satoshi HIRAHARA, Toru MATSUZAWA, Satoshi MIURA, Mare YAMAMOTO, Kazutoshi IMANISHI, Takahiko UCHIDE, Masayuki YOSHIMI, Shin AOI, Youichi ASANO, Tomotake UENO, Eisuke FUJITA, Eiji ABE, Takashi IIDAKA, Takaya IWASAKI, Aitaro KATO, Eiji KURASHIMO, Shin'ichi SAKAI, Takahiro SHIINA, Masato SERIZAWA, Shinichi TANAKA, Shigeaki NAKAGAWA, Naoshi HIRATA, Masataka MASUDA, Koji MIYAKAWA, Takeo YAGI, Atsushi WATANABE, Kazuhiko GOTO, Takeo ITO, Takashi OKUDA, Toshiko TERAOKA, Shinichiro HORIKAWA, Yuta MAEDA, Kenjiro MATSUHIRO, Yoshiko YAMANAKA, Toshiki WATANABE, Yoshihisa IIO, Hiroshi KATAO, Yasuyuki KANO, Hiroo TSUDA, Tsutomu MIURA, Tomoya MURAMOTO, Yusuke YAMASHITA, Makoto OKUBO, Tadashi YAMASHINA, Takahiro OHKURA, Shigeru NAKAO, Shuichiro HIRANO, Hiroki MIYAMACHI, Hiroshi YAKIWARA: Urgent Joint Seismic Observation Data of the 2016 Kumamoto Earthquakes, Seismological Society of Japan, 20201027, Zisin (Journal of the Seismological Society of Japan. 2nd ser.), 73, 0, 149, 157
- Bakhtiyar M. Kholmatjanov, Yuriy V. Petrov, Temur Khujanazarov, Nigora N. Sulaymonova, Farrukh I. Abdikulov, Kenji Tanaka: Analysis of Temperature Change in Uzbekistan and the Regional Atmospheric Circulation of Middle Asia during 1961–2016, MDPI AG, 20200918, Climate, 8, 9, 101, 101
- Bin Zhu, Tetsuya Hiraishi, Huafu Pei, Qing Yang: Efficient reliability analysis of slopes integrating the random field method and a Gaussian process regression-based surrogate model, Wiley, 20201121, International Journal for Numerical and Analytical Methods in Geomechanics, 1, 24
- Binh, D.V., Kantoush, S., Sumi, T.: Changes to long-term discharge and sediment loads in the Vietnamese Mekong Delta caused by upstream dams, ELSEVIER, 2020, Geomorphology, 353
- Byung-Gon Chae, Ying-Hsin Wu, Ko-Fei Liu, Junghae Choi,

- Hyuck-Jin Park: Simulation of debris-flow runout near a construction site in Korea, {MDPI} {AG}, 202009, Applied Sciences, 10, 17, 6079, 6079
- C.Y. Lam, K. Tai, A.M. Cruz: Topological network and GIS approach to modeling earthquake risk of infrastructure systems: A case study in Japan, Elsevier BV, 202102, Applied Geography, 127, 102392, 102392
- Can Ding, Kenji Kawaike, Hajime Nakagawa, Kazuki Yamanoi, Rocky Talchabhadel: Investigation of the influence of paddy ridges on the suspended load deposition during inundation, 202011, 76, 2, I_865, I_870
- Che-Wei Chang, Nobuhito Mori: Application of Boussinesq Modeling on Water Waves through Mangroves, Japan Society of Civil Engineers, 202012, Journal of Japan Society of Civil Engineers, Ser. B2 (Coastal Engineering), 76, 2, I_49, I_54
- Di, Baofeng, Jierui Li, Miranda Dandoulaki, Ana Maria Cruz, Ruixin Zhang, Zhipan Niu: Household recovery strategies in Longmen Mountain area, Sichuan, China, following the 2008 Wenchuan earthquake disaster., Springer, 202009, Natural Hazards, Online first
- Emily E. Brodsky, James J. Mori, Louise Anderson, Frederick M. Chester, Marianne Conin, Eric M. Dunham, Nobu Eguchi, Patrick M. Fulton, Ryota Hino, Takehiro Hirose, Matt J. Ikari, Tsuyoshi Ishikawa, Tamara Jeppson, Yasuyuki Kano, James Kirkpatrick, Shuichi Kodaira, Weiren Lin, Yasuyuki Nakamura, Hannah S. Rabinowitz, Christine Regalla, Francesca Remitti, Christie Rowe, Demian M. Saffer, Saneatsu Saito, James Sample, Yoshinori Sanada, Heather M. Savage, Tianhaozhe Sun, Sean Toczko, Kohtarou Ujiie, Monica Wolfson-Schwehr, Tao Yang: The State of Stress on the Fault Before, During, and After a Major Earthquake, 202005, Annual Review of Earth and Planetary Sciences, 48
- Endra Gunawan, Sri Widiyantoro, Pepen Supendi, Takuya Nishimura: Identifying the most explainable fault ruptured of the 2018 Palu-Donggala earthquake in Indonesia using coulomb failure stress and geological field report, Elsevier BV, 202005, Geodesy and Geodynamics
- Endra Gunawan, Takuya Nishimura, Susilo Susilo, Sri Widiyantoro, Nanang T. Puspito, David P. Sahara, Nuraini Rahma Hanifa, Sri Hidayati, Amalfi Omang, Agustan Agustan: Fault source investigation of the 6 December 2016 MwMw 6.5 Pidie Jaya, Indonesia, earthquake based on GPS and its implications of the geological survey result, Walter de Gruyter GmbH, 20201126, Journal of Applied Geodesy, 14, 4, 405, 412
- Eri Ito, Hiroshi Kawase, Shinichi Matsushima, Michinori Hatayama: Tsunami evacuation simulation considering road blockage by collapsed buildings evaluated from predicted strong ground motion, SPRINGER, 202004, NATURAL HAZARDS, 101, 3, 959, 980
- Eri Ito, Kenichi Nakano, Fumiaki Nagashima, Hiroshi Kawase: A Method to Directly Estimate S-Wave Site Amplification Factor from Horizontal-to-Vertical Spectral Ratio of Earthquakes (eHVSRS), Seismological Society of America (SSA), 20201201, Bulletin of the Seismological Society of America, 110, 6, 2892, 2911
- Eva Mia Siska Yamamoto, Takahiro Sayama, Kodai Yamamoto, Apip: Comparison of runoff generation methods for land use impact assessment using the swat model in humid tropics, Japan Society of Hydrology and Water Resources, 2020, Hydrological Research Letters, 14, 2, 81, 88
- Fauziana Binti Ahamad, Kosei Yamaguchi, Eiichi Nakakita: Investigation of single cell to multicell in the cluster thunderstorms using vorticity analysis, 202010, Journal of Japan Society of Civil Engineers, Ser. B1 (Hydraulic Engineering), 76, 187, 192
- Fransiscus Asisi Arifin, Timothy J. Sullivan, Gregory MacRae, Masahiro Kurata, Tadahisa Takeda: Lessons for loss assessment from the Canterbury earthquakes: a 22-storey building, Springer Science and Business Media LLC, 202103, Bulletin of Earthquake Engineering, 19, 5, 2081, 2104
- Fumiaki Nagashima, Hiroshi Kawase: The relationship between V_s , V_p , density and depth based on PS-logging data at K-NET and KiK-net sites, Oxford University Press (OUP), 20210312, Geophysical Journal International, 225, 3, 1467, 1491
- G. Duan, T. Takemi: Gustiness in thermally-stratified urban turbulent boundary-layer flows and the influence of surface roughness, Elsevier BV, 202101, Journal of Wind Engineering and Industrial Aerodynamics, 208, 104442, 104442
- Gautham Adapa, Kyohei Ueda, Ryosuke Uzuoka: Seismic stability of embankments with different densities and upstream conditions related to the water level, Elsevier BV, 202102, Soils and Foundations, 61, 1, 185, 197
- Genta Nakano, Seiji Suwa, Aparajita Gautam, Katsuya Yamori: Long-term evaluation of proactive attitudes toward disaster ed-

- ucation in Nepal, Elsevier BV, 202011, International Journal of Disaster Risk Reduction, 50, 101866, 101866
- Giuseppe A. Marzano, Konstantinos A. Skalomenos, Masahiro Kurata: Multiple-Damage State Retrofit of Steel MRFs with Composite Beams Using a Minimal-Disturbance Arm Damper, American Society of Civil Engineers (ASCE), 202009, Journal of Structural Engineering, 146, 9, 04020169, 04020169
- Goltz, J, Nakano, G, Park, H, Yamori, K: Earthquake ground motion and human behavior: Using DYFI data to assess behavioral response to earthquakes., 2020, Earthquake Spectra
- Goltz, J, Yamori, K: Tsunami preparedness and mitigation strategies., 2020, In Oxford Research Encyclopedia of Natural Hazard Science. Oxford University Press
- Hidetoshi Nakamoto, Hiroshi Takebayashi, Masaharu Fujita: Effect of existence of houses on inundation area of debris flow, 2020, 22nd Congress of the International Association for Hydro-Environment Engineering and Research-Asia Pacific Division, IAHR-APD 2020: "Creating Resilience to Water-Related Challenges"
- Hiep V. Le, Tsuyoshi Murata, Masato Iguchi: Can eruptions be predicted? short-term prediction of volcanic eruptions via attention-based long short-term memory, 2020, AAAI 2020 - 34th AAAI Conference on Artificial Intelligence, 13320, 13325
- Hiroki Okachi, Tomohito J. Yamada, Yasuyuki Baba, Teruhiro Kubo: Characteristics of Rain and Sea Spray Droplet Size Distribution at a Marine Tower, MDPI AG, 20201109, Atmosphere, 11, 11, 1210, 1210
- Hiromasa Nakayama, Tetsuya Takemi: Development of a Data Assimilation Method Using Vibration Equation for Large-Eddy Simulations of Turbulent Boundary Layer Flows, American Geophysical Union (AGU), 202008, Journal of Advances in Modeling Earth Systems, 12, 8,
- Hiroshi L. Tanaka, Haruhisa Nakamichi, Masato Iguchi: PUFF Model Prediction of Volcanic Ash Plume Dispersal for Sakurajima Using MP Radar Observation, MDPI AG, 20201118, Atmosphere, 11, 11, 1240, 1240
- Hiroyuki Noda, Dye S. K. Sato, Yuuki Kurihara: Comparison of two time-marching schemes for dynamic rupture simulation with a space-domain BIEM, Springer Science and Business Media LLC, 202012, Earth, Planets and Space, 72, 1, 76
- Hisahiko Kubo, Kimiyuki Asano, Tomotaka Iwata, Shin Aoi: Along-Dip Variation in Seismic Radiation of the 2011 Ibaraki-Oki, Japan, Earthquake (Mw 7.9) Inferred Using a Multiple-Period-Band Source Inversion Approach, American Geophysical Union (AGU), 20200930, Journal of Geophysical Research: Solid Earth, 125, 10
- Huan Liu, Hirokazu Tatano, Georg Pflug, Stefan Hochrainer-Stigler: Post-disaster recovery in industrial sectors: A Markov process analysis of multiple lifeline disruptions, 202102, Reliability Engineering and System Safety, 206
- Issei Doi, Sumio Matsuura, Hikaru Osawa, Tatsuya Shibasaki, Shinichi Tosa: Effects of Coastal Erosion on Landslide Activity Revealed by Multi-sensor Observations, 202004, Earth Surface Processes and Landforms
- Issei Doi, Takuto Maeda: Landslide Characteristics Revealed by High-Frequency Seismic Waves from the 2017 Landslide in Central Japan, Seismological Society of America (SSA), 20200901, Seismological Research Letters, 91, 5, 2719, 2729
- Jan Cerny, Maria Teresa Ramirez-Herrera, Emmanuel Soliman Garcia, Yoshihiro Ito: Seafloor morphology along the active margin in Guerrero, Mexico: Probable earthquake implications, PERGAMON-ELSEVIER SCIENCE LTD, 202010, JOURNAL OF SOUTH AMERICAN EARTH SCIENCES, 102, 102671, 102671
- Jikai Sun, Fumiaki Nagashima, Hiroshi Kawase, Shinichi Matsushima: Site Effects Analysis of Shallow Subsurface Structures at Mashiki Town, Kumamoto, Based on Microtremor Horizontal-to-Vertical Spectral Ratios, Seismological Society of America (SSA), 20201201, Bulletin of the Seismological Society of America, 110, 6, 2912, 2938
- Jikai Sun, Fumiaki Nagashima, Hiroshi Kawase, Shinichi Matsushima: Site effects analysis of shallow subsurface structures at mashiki town, kumamoto, based on microtremor horizontal-to-vertical spectral ratios, 202009, Bulletin of the Seismological Society of America, 110, 6, 2912, 2938
- Jinzhe Xie, Yoshiki Ikeda, Masahiro Kurata: Modal Identification of Large-scale Low-rise Buildings through Microtremor Measurements, 202009, Proceedings of the 17th World Conference on Earthquake Engineering, 3b, 0015
- Jiren Xie, Taro Uchimura, Gonghui Wang, Hemakanth Selvarajah, Zain Maqsood, Quan Shen, Guoxiong Mei, Shifan Qiao: Predicting the sliding behavior of rotational landslides based on the tilting measurement of the slope surface, 202005, Engineering Geology, 269, 105554, 1, 16

- Joshua R. Brown, Rex N. Taylor, Masato Iguchi: Using high-resolution Pb isotopes to unravel the petrogenesis of Sakurajima volcano, Japan, Springer Science and Business Media LLC, 202005, *Bulletin of Volcanology*, 82, 5
- Jun Oikawa, Satoru Tanaka, Tsuneomi Kagiya, Hiroki Miyamachi, Tomoki Tsutsui, Yasushi Ikeda, Hiroaki Katayama, Norimichi Matsuo, Hiromitsu Oshima, Yuichi Nishimura, Keigo Yamamoto, Toshiki Watanabe, Fumihito Yamazaki: Active-source Seismic Exploration of Fuji Volcano in 2003, 20210322, *Bull. Earthq. Res. Inst. Univ. Tokyo*, 96, 1, 10
- Junko Morimoto, Masahiro Aiba, Flavio Furukawa, Yoshio Mishima, Nobuhiko Yoshimura, Sridhara Nayak, Tetsuya Takemi, Haga Chihiro, Takanori Matsui, Futoshi Nakamura: Risk assessment of forest disturbance by typhoons with heavy precipitation in northern Japan, Elsevier BV, 202101, *Forest Ecology and Management*, 479, 118521, 118521
- K. Ueda, R. Uzuoka, S. Iai, T. Okamura: Centrifuge model tests and effective stress analyses of offshore wind turbine systems with a suction bucket foundation subject to seismic load, Elsevier BV, 202012, *Soils and Foundations*, 60, 6, 1546, 1569
- Kansuke Sasaki, Minoru Inoue, Tomoya Shimura, Masato Iguchi: In situ, rotor-based drone measurement of wind vector and aerosol concentration in volcanic areas, 202103, *Atmosphere*, 12, 3
- Kato, A, Sakai, S. I, Matsumoto, S, Iio, Y: Conjugate faulting and structural complexity on the young fault system associated with the 2000 Tottori earthquake., 202101, *Communications Earth & Environment*, 2, 1, 9
- Kazuhiro TANAKA, Masaki WASHIDA, Yoshihiro NISHIUKE, Tetsuya HIRAISHI: Numerical Simulation of Storm Surges and Waves Caused by Typhoon Jebi in Osaka Bay with Consideration of Sudden Change of Wind Field, 202007, *Journal of Natural Disaster Science*, 40, 1, 44, 68
- Kazuma Inoue, Keita Saitoh, Yuta Umeyama, Akira Igarashi, Takaaki Ikeda: Analysis of directionality considering periodic characteristics for observed strong ground motions, Japan Association for Earthquake Engineering (JAEE), International Association of Earthquake Engineering (IAEE), 202009, *Proc. 17th World Conference on Earthquake Engineering (17WCEE)*, 17, 2a-0014
- Kei Ishida, Kenji Tanaka, Takehide Hama: Sensitivity analysis of convective parameterizations of a regional climate model in higher-resolution domains for long-term precipitation reconstruction, IWA Publishing, 20201201, *Journal of Water and Climate Change*, 11, 4, 1467, 1480
- Ken'ichi Yamazaki, Yusuke Yamashita, Shintaro Komatsu: Vault-housed extensometers recorded a rapid initial pulse before precursory magma reservoir inflation related to the 2011 eruption of Shinmoe-dake, Japan, Springer Science and Business Media LLC, 20200608, *Earth, Planets and Space*, 72, 1
- Kenny M. Graham, Martha K. Savage, Richard Arnold, Hubert J. Zal, Tomomi Okada, Yoshihisa Iio, Satoshi Matsumoto: Spatio-temporal analysis of seismic anisotropy associated with the Cook Strait and Kaikoura earthquake sequences in New Zealand, OXFORD UNIV PRESS, 202012, *GEOPHYSICAL JOURNAL INTERNATIONAL*, 223, 3, 1987, 2008
- Koki Aizawa, Shinichi Takakura, Hisafumi Asaue, Katsuaki Koike, Ryohei Yoshimura, Ken'ichi Yamazaki, Shintaro Komatsu, Mitsuru Utsugi, Hiroyuki Inoue, Kaori Tsukamoto, Makoto Uyeshima, Takao Koyama, Wataru Kanda, Tohru Yoshinaga, Nobuo Matsushima, Kazunari Uchida, Yuko Tsukashima, Takeshi Matsushima, Hiroshi Ichihara, Dan Muramatsu, Yoshiko Teguri, Azusa Shito, Satoshi Matsumoto, Hiroshi Shimizu: Electrical conductive fluid-rich zones and their influence on the earthquake initiation, growth, and arrest processes: observations from the 2016 Kumamoto earthquake sequence, Kyushu Island, Japan, Springer Science and Business Media LLC, 202101, *Earth, Planets and Space*, 73, 1
- Konstantinos A. Skalomenos, Masahiro Kurata, Minehiro Nishiyama: Induction-heat treated steel braces with intentional eccentricity, Elsevier BV, 202005, *Engineering Structures*, 211, 110461, 110461
- Kosei Takishita, Alexandros P. Poulidis, Masato Iguchi: Tephra4d: A python-based model for high-resolution tephra transport and deposition simulations— applications at sakurajima volcano, Japan, 202103, *Atmosphere*, 12, 3
- Kotani, Hitomu, Muneta Yokomatsu, Hideyuki Ito: Potential of a shopping street to serve as a food distribution center and an evacuation shelter during disasters: Case study of Kobe, Japan, 2020, 44, 101286
- Kousuke Shimizu, Yuji Yagi, Ryo Okuwaki, Yukitoshi Fukahata: Construction of fault geometry by finite-fault inversion of teleseismic data, Oxford University Press (OUP), 20201120, *Geophysical Journal International*, 224, 2, 1003, 1014
- Krausmann, E, Cruz, A.M: Natech risk management in Japan

- after Fukushima-what have we learned?, 202102, Loss Prevention Bulletin, 277, 10, 14
- Kyoka Ishii, Akihiko Yokoo, Masato Iguchi, Eisuke Fujita: Utilizing the solution of sound diffraction by a thin screen to evaluate infrasound waves attenuated around volcano topography, Elsevier BV, 202006, Journal of Volcanology and Geothermal Research, 402, 106983, 106983
- Li, Mengton, T. Hosono, T. Hori: An Intelligent Flood Evacuation Model Based on Deep Learning of Various Flood Scenarios, 202009, Proceedings of the 22nd IAHR-APD Congress, 6-3-1-1, 6-3-1-7
- Liangjie Qi, Keiichiro Kunitomo, Masahiro Kurata, Yoshiki Ikeda, Seismic Evaluation of Japanese Two-elevation Integrated Ceiling System, 202009, 174. Qi L., Kunitomo K., Kurata M. and Ikeda Y, 2h, 0003
- Liangjie Qi, Keiichiro Kunitomo, Masahiro Kurata, Yoshiki Ikeda: Investigating the Vibration Properties of Integrated Ceiling Systems Considering Interactions with Surrounding Equipment, Wiley, 202007, Earthquake Engineering & Structural Dynamics, 49, 8, 772, 792
- Liangjie Qi, Keiichiro Kunitomo, Masahiro Kurata, Yoshiki Ikeda: Investigating the vibration properties of integrated ceiling systems considering interactions with surrounding equipment, Wiley, 20200710, Earthquake Engineering & Structural Dynamics, 49, 8, 772, 793
- Lyu, Z., Liu, Y., Li, H., Mori, N.: Iterative multipole solution for wave interaction with submerged partially perforated semi-circular breakwater, 2020, Applied Ocean Research, 97, ARTN 102103
- Magfira Syarifuddin, Mariko Ogawa, Haruhisa Nakamichi, Satoru Oishi, Masato Iguchi: Performance of a small-compact X-MP radar to monitor extreme rainfall event on 7 July 2018, 2020, 22nd Congress of the International Association for Hydro-Environment Engineering and Research-Asia Pacific Division, IAHR-APD 2020: "Creating Resilience to Water-Related Challenges"
- Magfira Syarifuddin, Satoru Oishi, Haruhisa Nakamichi, Masayuki Maki, Ratih Indri Hapsari, Hanggar Ganara Mawandha, Nurnaning Aisyah, Ahmad Basuki, Agoes Loeqman, Makoto Shimomura, Masato Iguchi: A real-time tephra fallout rate model by a small-compact X-band Multi-Parameter radar, Elsevier BV, 202011, Journal of Volcanology and Geothermal Research, 405, 107040, 107040
- Maki Iwamoto, Daisuke Nohara, Yasuhiro Takemon, Takahiro Koshiba, Tetsuya Sumi: Effective reservoir operation for flood control based on rainfall-runoff-inundation analysis considering extreme events in the Katsura River basin, 2020, Proc. Intl. Commission on Large Dams, New Delhi, India, 2020.
- Maki Iwamoto, Daisuke Nohara, Yasuhiro Takemon, Takahiro Koshiba, Tetsuya Sumi: Optimal Reservoir Flood Control Considering Large Floods based on Rainfall-Runoff-Inundation Analysis, 2020, Proc. 22nd IAHR-APD Congress 2020, Sapporo, Japan, 2020
- Makoto Tani, Yuki Matsushi, Takahiro Sayama, Roy C. Sidle, Nagahiro Kojima: Characterization of vertical unsaturated flow reveals why storm runoff responses can be simulated by simple runoff-storage relationship models, Elsevier BV, 202004, Journal of Hydrology, 124982, 124982
- Manabu Hashimoto: Postseismic deformation following the 2016 Kumamoto earthquake detected by ALOS-2/PALSAR-2, Springer Science and Business Media LLC, 202012, Earth, Planets and Space, 72, 1
- Marzano, G, Skalomenos, K.A, Kurata, M, Sasaki, Y: Fragility Functions for Evaluation on Moment-Resisting Frames Retrofitted with the Minimal Disturbance Arm Dampe, 202004, Journal of Structural Engineering (ASCE), 66B
- Masahiro Shiozaki, Takeshi Enomoto, Koutarou Takaya: Disparate Midlatitude Responses to the Eastern Pacific El Niño, American Meteorological Society, 20210101, Journal of Climate, 34, 2, 773, 786
- Masatoshi Miyazawa, Miguel Ángel Santoyo: Tectonic tremors in the Northern Mexican subduction zone remotely triggered by the 2017 Mw8.2 Tehuantepec earthquake, Springer Science and Business Media LLC, 202101, Earth, Planets and Space, 73, 1
- Masayuki Nakayama, Hironori Kawakata, Shiro Hirano, Issei Doi: Development of a laboratory monitoring system for elastic waves transmitted through sand under dry and nearly saturated conditions, Springer Science and Business Media LLC, 202101, Earth, Planets and Space, 73, 25
- Masumi Yamada, Ikuo Cho, Chun-Hsiang Kuo, Che-Min Lin, Ken Miyakoshi, Yujia Guo, Takumi Hayashida, Yasuhiro Matsumoto, Jim Mori, Yin-Tung Yen, Keng-Chang Kuo: Shallow Subsurface Structure in the Hualien Basin and Relevance to the Damage Pattern and Fault Rupture during the 2018

- Hualien Earthquake, Seismological Society of America (SSA), 20201201, Bulletin of the Seismological Society of America, 110, 6, 2939, 2952
- Masumi Yamada, Yuki Matsushi, Takanori Matsuzawa: Dynamic movement history of the Iiyama slope failure revealed from seismic data, Elsevier BV, 202009, Engineering Geology, 274, 105696, 105696
- Matthew Walls, Madisen Hvidberg, Mari Kleist, Pauline Knudsen, Pivinnuaq Mørch, Pia Egede, Gillian Taylor, Niki Phillips, Shintaro Yamasaki, Tatsuya Watanabe: Hydrological instability and archaeological impact in Northwest Greenland: Sudden mass movement events signal new concerns for circumpolar archaeology, Elsevier BV, 202011, Quaternary Science Reviews, 248, 106600, 106600
- Md Basir Zisan, Akira Igarashi: Evaluation of Unbonded Strip-STRP Bearing Based on Current Design Guidelines, International Association for Bridge and Structural Engineering (IABSE), 20210202, IABSE Congress 2020 Christchurch, 1247, 1256
- Md. Basir Zisan, Akira Igarashi: Lateral load performance evaluation of unbonded strip-STRP base isolator, Japan Association for Earthquake Engineering (JAEE), International Association of Earthquake Engineering (IAEE), 202009, Proc. 17th World Conference on Earthquake Engineering (17WCEE), 17, 2g-0158
- Michigashira R, T. Hori: A Study on the Effect of Flood Experience on Evacuation Decision Making Using Reinforcement Learning, 202009, Proceedings of the 22nd APD-IAHR Congress, 6-9-3-1, 6-9-3-8
- Midori Koike, Haruhisa Nakamichi: Dike Inflation Process Beneath Sakurajima Volcano, Japan, During the Earthquake Swarm of August 15, 2015, Frontiers Media SA, 20210216, Frontiers in Earth Science, 8
- Miyata, S., Mizugaki, S., Naito, S., Fujita, M.: Application of time domain reflectometry to high suspended sediment concentration measurements: laboratory validation and preliminary field observations in a steep mountain stream, 202006, Journal of Hydrology, 585, Article 124747
- Morim, J., Trenham, C., Hemer, M., Wang, X.L., Mori, N., Casas-Prat, M., Semedo, A., Shimura, T., Timmermans, B., Camus, P., Bricheno, L., Mentaschi, L., Dobrynin, M., Feng, Y., Erikson, L.: A global ensemble of ocean wave climate projections from CMIP5-driven models, NATURE PORTFOLIO, 2020, Scientific Data, 7, 1, ARTN 105
- Muneta Yokomatsu, Hitomu Kotani: Knowledge sharing, heterophily, and social network dynamics, Informa UK Limited, 20200411, The Journal of Mathematical Sociology, 45, 2, 111, 133
- Nakano, G, Yamori, K, Miyashita, T, Urra, L. Mas, E, Koshimura, S: Combination of school evacuation drill with tsunami inundation simulation: Consensus-making between disaster experts and citizens on an evacuation strategy., Elsevier BV, 2020, International Journal of Disaster Risk Reduction, 51, 101803, 101803
- Naoto Yokoya, Kazuki Yamanoi, Wei He, Gerald Baier, Bruno Adriano, Hiroyuki Miura, Satoru Oishi: Breaking Limits of Remote Sensing by Deep Learning From Simulated Data for Flood and Debris-Flow Mapping, Institute of Electrical and Electronics Engineers (IEEE), 2020, IEEE Transactions on Geoscience and Remote Sensing, 60, 1, 15
- Netrananda Sahu, Arpita Panda, Sridhara Nayak, Atul Saini, Manoranjan Mishra, Takahiro Sayama, Limonlisa Sahu, Weili Duan, Ram Avtar, Swadhin Behera: Impact of indo-pacific climate variability on high streamflow events in Mahanadi River Basin, India, MDPI, 20200701, Water (Switzerland), 12, 7
- Netrananda Sahu, Atul Saini, Swadhin Behera, Takahiro Sayama, Sridhara Nayak, Limonlisa Sahu, Weili Duan, Ram Avtar, Masafumi Yamada, R. B. Singh, Kaoru Takara: Impact of Indo-Pacific Climate Variability on Rice Productivity in Bihar, India, MDPI AG, 20200828, Sustainability, 12, 17, 7023, 7023
- Netrananda Sahu, Atul Saini, Swadhin K. Behera, Takahiro Sayama, Limonlisa Sahu, Van Thanh Van Nguyen, Kaoru Takara: Why apple orchards are shifting to the higher altitudes of the Himalayas?, PUBLIC LIBRARY SCIENCE, 202007, PLoS ONE, 15, 7
- Nguyen Duc Ha, Takahiro Sayama, Kyoji Sassa, Kaoru Takara, Ryosuke Uzuoka, Khang Dang, Tien Van Pham: A coupled hydrological-geotechnical framework for forecasting shallow landslide hazard—a case study in Halong City, Vietnam, SPRINGER HEIDELBERG, 20200701, Landslides, 17, 7, 1619, 1634
- Nobuhito Mori, Nozomi Ariyoshi, Tomoya Shimura, Takuya Miyashita, Junichi Ninomiya: Future projection of maximum potential storm surge height at three major bays in Japan using

- the maximum potential intensity of a tropical cyclone, SPRINGER, 202102, CLIMATIC CHANGE, 164, 3-4
- Okada, N, Yamori, K: Action research on bosai map cycle: Communications and interactions among stakeholders involved in mapmaking activities., 2020, Journal of Disaster Research, 15(6)
- Pierre Gehl, Shinichi Matsushima, Shunsuke Masuda: Investigation of damage to the water network of Uki City from the 2016 Kumamoto earthquake: derivation of damage functions and construction of infrastructure loss scenarios, SPRINGER, 202011, BULLETIN OF EARTHQUAKE ENGINEERING, 19, 685, 711
- Qing Yang, Bin Zhu, Tetsuya Hiraishi: Probabilistic evaluation of the seismic stability of infinite submarine slopes integrating the enhanced Newmark method and random field, Springer Science and Business Media LLC, 20210107, Bulletin of Engineering Geology and the Environment
- Rocky Talchabhadel, Anil Aryal, Kenji Kawaike, Kazuki Yamanoi, Hajime Nakagawa: A comprehensive analysis of projected changes of extreme precipitation indices in West Rapti River basin, Nepal under changing climate, WILEY, 202101, INTERNATIONAL JOURNAL OF CLIMATOLOGY, 41, E2581, E2599
- Rocky Talchabhadel, Anil Aryal, Kenji Kawaike, Kazuki Yamanoi, Hajime Nakagawa, Binod Bhatta, Saroj Karki, Bhesh Raj Thapa: Evaluation of precipitation elasticity using precipitation data from ground and satellite-based estimates and watershed modeling in Western Nepal, ELSEVIER, 202102, JOURNAL OF HYDROLOGY-REGIONAL STUDIES, 33
- Rocky Talchabhadel, Hajime Nakagawa, Kenji Kawaike, Kazuki Yamanoi, Bhesh Raj Thapa: Assessment of vertical accuracy of open source 30m resolution space-borne digital elevation models, TAYLOR & FRANCIS LTD, 202101, GEOMATICS NATURAL HAZARDS & RISK, 12, 1, 939, 960
- Ruben R. Vargas, Kyohei Ueda, Kazuaki Uemura: Influence of the relative density and K0 effects in the cyclic response of Ottawa F-65 sand - cyclic Torsional Hollow-Cylinder shear tests for LEAP-ASIA-2019, Elsevier BV, 202006, Soil Dynamics and Earthquake Engineering, 133, 106111, 106111
- Ruben R. Vargas, Kyohei Ueda, Tetsuo Tobita: Centrifuge modeling of the dynamic response of a sloping ground – LEAP-UCD-2017 and LEAP-ASIA-2019 tests at Kyoto University, Elsevier BV, 202101, Soil Dynamics and Earthquake Engineering, 140, 106472, 106472
- Rui Tanaka, Makoto Naoi, Youqing Chen, Kazune Yamamoto, Keiichi Imakita, Naofumi Tsutsumi, Akihiro Shimoda, Daiki Hiramatsu, Hironori Kawakata, Tsuyoshi Ishida, Eiichi Fukuyama, Hiroyuki Tanaka, Yutaro Arima, Shigehiro Kitamura, Daisuke Hyodo: Preparatory acoustic emission activity of hydraulic fracture in granite with various viscous fluids revealed by deep learning technique, Oxford University Press (OUP), 20210309, Geophysical Journal International, 226, 1, 493, 510
- Ryota Otake, Jun Kurima, Hiroyuki Goto, Sumio Sawada: Deep Learning Model for Spatial Interpolation of Real-Time Seismic Intensity, Seismological Society of America (SSA), 20200826, Seismological Research Letters
- Ryutaro Kadota, Hiroshi Kawase, Masami Gotou: Shaking table tests and their simulations based on survey on collapsed residential retaining walls during the 2016 kumamoto earthquake, 202005, Journal of Structural and Construction Engineering, 85, 771, 705, 713
- S. Kaneki, K. Oohashi, T. Hirono, H. Noda: Mechanical Amorphization of Synthetic Fault Gouges During Rotary-Shear Friction Experiments at Subseismic to Seismic Slip Velocities, American Geophysical Union (AGU), 202010, Journal of Geophysical Research: Solid Earth, 125, 10
- S.B. Mngadi, A. Tsutsumi, Y. Onoe, M.S.D. Manzi, R.J. Durrheim, Y. Yabe, H. Ogasawara, S. Kaneki, N. Wechsler, A.K. Ward, M. Naoi, H. Moriya, M. Nakatani: The effect of a gouge layer on rupture propagation along brittle shear fractures in deep and high-stress mines, Elsevier BV, 202101, International Journal of Rock Mechanics and Mining Sciences, 137, 104454, 104454
- Saber, M., Kantoush, S.A., Sumi, T.: Assessment of spatiotemporal variability of water storage in Arabian countries using global datasets: implications for water resources management, TAYLOR & FRANCIS LTD, 2020, Urban Water Journal, 17, 5, 416, 430
- Samaddar S, Oteng-Ababio M, Dayour, F, Ayaribilla A. J, Yokomatsu M: Implementing Effective Community Participation in Climate Change Adaptation Programs : on whose terms?, 202103, Environmental Management, 67, 4, 747, 762
- Satoshi Katakami, Yoshihiro Kaneko, Yoshihiro Ito, Eiichiro Arai: Stress Sensitivity of Instantaneous Dynamic Triggering of Shallow Slow Slip Events, AMER GEOPHYSICAL UNION,

- 202006, JOURNAL OF GEOPHYSICAL RESEARCH-SOLID EARTH, 125, 6
- Satoshi Matsumoto, Yoshihisa Iio, Shinichi Sakai, Aitaro Kato: Inelastic strain in the hypocentral region of the 2000 Western Tottori earthquake (M 7.3) inferred from aftershock seismic moment tensors, 20201201, Earth, Planets and Space, 72, 1
- Satoshi Watanabe, Masafumi Yamada, Shiori Abe, Misako Hattori: Bias correction of d4PDF using a moving window method and their uncertainty analysis in estimation and projection of design rainfall depth, Japan Society of Hydrology and Water Resources, 2020, Hydrological Research Letters, 14, 3, 117, 122
- Satoshi Watanabe, Shunji Kotsuki, Shinjiro Kanae, Kenji Tanaka, Atsushi Higuchi: Snow water scarcity induced by record-breaking warm winter in 2020 in Japan, Springer Science and Business Media LLC, 202012, Scientific Reports, 10, 1
- Shampa, Yuji Hasegawa, Hajime Nakagawa, Hiroshi Takebayashi, Kenji Kawaike, Three-Dimensional Flow Characteristics in Slit-Type Permeable Spur Dike Fields: Efficacy in Riverbank Protection, MDPI, 202004, WATER, 12, 4
- Shi, Y., Xu, P.: Nonexistence of Maximum Likelihood Estimation of Variance Components in Some Stochastic Models: , 2020, Journal of Surveying Engineering, 146, 2
- Shimozono, T., Tajima, Y., Kumagai, K., Arikawa, T., Oda, Y., Shigihara, Y., Mori, N., Suzuki, T.: Coastal impacts of super typhoon Hagibis on Greater Tokyo and Shizuoka areas, Japan, Informa {UK} Limited, 2020, Coastal Engineering Journal, 62, 2, 129, 145
- Shinji Yamashita, Yuji Yagi, Ryo Okuwaki, Kousuke Shimizu, Ryoichiro Agata, Yukitoshi Fukahata: Consecutive ruptures on a complex conjugate fault system during the 2018 Gulf of Alaska earthquake, Springer Science and Business Media LLC, 202103, Scientific Reports, 11, 1
- Shiozaki Masahiro, Enomoto Takeshi: Comparison of the 2015/16 El Niño with the two previous strongest events, Meteorological Society of Japan, 2020, SOLA
- Shogo Hamamoto, Lisa Ito, Nozomu Yoneyama, Akihiro Tokai: Case Study for the Predictive Environmental Risk Assessment of Hexamethylenetetramine Release to the Yodo River during a Massive Tsunami Attack, 202102, WATER, 13, 4, ARTN 549
- Shunya Kaneki, Hiroyuki Noda: On approximations of EASY%Ro solutions to estimate maximum temperature from vitrimite reflectance, The Geological Society of Japan, 20201115, The Journal of the Geological Society of Japan, 126, 11, 655, 661
- Sophal Try, Shigenobu Tanaka, Kenji Tanaka, Takahiro Sayama, Chantha Oeurng, Sovannara Uk, Kaoru Takara, Maochuan Hu, Dawei Han: Comparison of gridded precipitation datasets for rainfall-runoff and inundation modeling in the Mekong River Basin, 2020, PLoS ONE, 15, 1
- Sophal Try, Shigenobu Tanaka, Kenji Tanaka, Takahiro Sayama, Giha Lee, Chantha Oeurng: Assessing the effects of climate change on flood inundation in the lower Mekong Basin using high-resolution AGCM outputs, SPRINGER, 20201201, Progress in Earth and Planetary Science, 7, 1
- Sophal Try, Shigenobu Tanaka, Kenji Tanaka, Takahiro Sayama, Maochuan Hu, Ty Sok, Chantha Oeurng: Projection of extreme flood inundation in the Mekong River basin under 4K increasing scenario using large ensemble climate data, Wiley, 20201030, Hydrological Processes, 34, 22, 4350, 4364
- Sridhara Nayak, Tetsuya Takemi: Atmospheric driving mechanisms of extreme precipitation events in July of 2017 and 2018 in western Japan, Elsevier BV, 202103, Dynamics of Atmospheres and Oceans, 93, 101186, 101186
- Sridhara NAYAK, Tetsuya TAKEMI: Clausius-Clapeyron Scaling of Extremely Heavy Precipitations: Case Studies of the July 2017 and July 2018 Heavy Rainfall Events over Japan, Meteorological Society of Japan, 202012, Journal of the Meteorological Society of Japan. Ser. II, 98, 6, 1147, 1162
- Sridhara Nayak, Tetsuya Takemi: Robust responses of typhoon hazards in northern Japan to global warming climate: cases of landfalling typhoons in 2016, Wiley, 202009, Meteorological Applications, 27, 5
- Sridhara Nayak, Tetsuya Takemi: Typhoon-induced precipitation characterization over northern Japan: a case study for typhoons in 2016, Springer Science and Business Media LLC, 202012, Progress in Earth and Planetary Science, 7, 1
- Sugiyama, T., Yamori, K.: Consideration of evacuation drills utilizing the capabilities of people with special needs., 2020, Disaster Research, 15(6)
- Sumire Maeda, Toru Matsuzawa, Tomomi Okada, Hiroshi Katao, Takeyoshi Yoshida, Masahiro Kosuga, Makoto Otsubo: Spatiotemporal variations in the stress field in the northeasternmost part of the NE Japan arc: constraints from microearthquakes,

- Springer Science and Business Media LLC, 202012, Earth, Planets and Space, 72, 1
- Taishi Yamada, Aika K. Kurokawa, Akihiko Terada, Wataru Kanda, Hideki Ueda, Hiroshi Aoyama, Takahiro Ohkura, Yasuo Ogawa, Toshikazu Tanada: Locating hydrothermal fluid injection of the 2018 phreatic eruption at Kusatsu-Shirane volcano with volcanic tremor amplitude, Springer Science and Business Media LLC, 202101, Earth, Planets and Space, 73, 1
- Takahiro Koshiba, Tetsuya Sumi: Bedload transport and abrasion monitoring at the Koshiu Dam sediment bypass tunnel and proposing countermeasures against the abrasion problem, 2020, Proc. Intl. Commission on Large Dams, New Delhi, India, 2020.
- Takahiro Sayama, Masafumi Yamada, Yoshito Sugawara, Dai Yamazaki: Ensemble flash flood predictions using a high-resolution nationwide distributed rainfall-runoff model: case study of the heavy rain event of July 2018 and Typhoon Hagibis in 2019, Springer Science and Business Media LLC, 202012, Progress in Earth and Planetary Science, 7, 1
- Takaki Matsumaru, T. Sato, R. Uzuoka: Liquefaction analysis of unsaturated ground affected by earthquake with long-term strong ground motion duration, 2020, 16th Asian Regional Conference on Soil Mechanics and Geotechnical Engineering, ARC 2019
- Takashi Tonegawa, Yusuke Yamashita, Tsutomu Takahashi, Masanao Shinohara, Yasushi Ishihara, Shuichi Kodaira, Yoshiyuki Kaneda: Spatial relationship between shallow very low frequency earthquakes and the subducted Kyushu-Palau Ridge in the Hyuga-nada region of the Nankai subduction zone, Oxford University Press (OUP), 20200901, Geophysical Journal International, 222, 3, 1542, 1554
- Takashi UNUMA, Tetsuya TAKEMI: Rainfall Characteristics and their Environmental Conditions during the Heavy Rainfall Events over Japan in July of 2017 and 2018, Meteorological Society of Japan, 202102, Journal of the Meteorological Society of Japan. Ser. II, 99, 1, 165, 180
- Takayabu, I. R. Rasmussen, E. Nakakita, A. Prein, H. Kawase, S. Watanabe, S.A. Adachi, T. Takemi, K. Yamaguchi, Y. Osakada, Y.H. Wu: Summary of the 4th International Convection-Permitting Modeling Workshop for Climate Research, 202101, GEWEX quarterly, 31, 1, 14, 16
- Takenouchi, K., Yamori, K: Synergistic integration of detailed meteorological and community information for evacuation from weather related disasters: Proposal of a “disaster response switch.”, Springer Science and Business Media LLC, 2020, International Journal of Disaster Risk Science, 11, 6, 762, 775
- Takuya Miyashita, Nobuhito Mori, Katsuichiro Goda: Uncertainty of probabilistic tsunami hazard assessment of Zihuatanejo (Mexico) due to the representation of tsunami variability, TAYLOR & FRANCIS LTD, 202007, COASTAL ENGINEERING JOURNAL, 62, 3, 413, 428
- Takuya Nishimura: Slow Slip Events in the Kanto and Tokai Regions of Central Japan Detected Using Global Navigation Satellite System Data During 1994–2020, American Geophysical Union (AGU), 202102, Geochemistry, Geophysics, Geosystems, 22, 2
- Tetsuo Tobita, K. Ichii, M. Okamura, A. N. Sjafruddin, J. Takemura, L. Hang, K. Ueda, R. Uzuoka, R. R. Vargas, J. Boksmati, A. Fusco, S. Torres-Garcia, S. Haigh, G. Madabhushi, M. Manzari, S. Escoffier, Z. Li, D. S. Kim, S. Manandhar, W. Y. Hung, J. X. Huang, T. N.P. Pham, M. Zeghal, T. Abdoun, E. Korre, B. L. Kutter, T. J. Carey, N. Stone, Y. G. Zhou, K. Liu, Q. Ma: LEAP-Asia-2019: Validation of centrifuge experiments and generalized scaling law on liquefaction-induced lateral spreading, 2020, 16th Asian Regional Conference on Soil Mechanics and Geotechnical Engineering, ARC 2019
- Tetsuya Takemi, Alexandros P. Poulidis, Masato Iguchi: High-Resolution Modeling of Airflows and Particle Deposition over Complex Terrain at Sakurajima Volcano, MDPI AG, 20210302, Atmosphere, 12, 3, 325, 325
- Tetsuya Takemi, Shota Yamasaki: Sensitivity of the Intensity and Structure of Tropical Cyclones to Tropospheric Stability Conditions, MDPI AG, 20200420, Atmosphere, 11, 4, 411, 411
- Tetsuya Takemi, Toshiya Yoshida, Mitsuki Horiguchi, Wim Vanderbauwhede: Large-Eddy-simulation analysis of airflows and strong wind hazards in urban areas, Elsevier BV, 202006, Urban Climate, 32, 100625, 100625
- Tomoaki Nishino: Probabilistic analysis of the vulnerability of fire departments to ignitions following megathrust earthquakes in the Nankai Trough subduction zone, Japan, Elsevier BV, 202103, Fire Safety Journal, 120, 103038
- Tomoro Yanase, Seiya Nishizawa, Hiroaki Miura, Tetsuya Takemi, Hirofumi Tomita: New Critical Length for the Onset of Self-Aggregation of Moist Convection, American Geophysical Un-

- ion (AGU), 20200828, *Geophysical Research Letters*, 47, 16
- Toshiya Yoshida, Tetsuya Takemi: Spatial characteristics of turbulent organized structures within the roughness sublayer over idealized urban surface with obstacle-height variability, Springer Science and Business Media LLC, 202102, *Environmental Fluid Mechanics*, 21, 1, 129, 154
- Tsukasa Mitogawa, Takuya Nishimura: Coulomb stress change on inland faults during megathrust earthquake cycle in southwest Japan, Springer Science and Business Media LLC, 202012, *Earth, Planets and Space*, 72, 1
- Ueda K, Hyodo J, Sato K, Sugiura Y: Seismic Response Analysis of Liquefiable Sandy Ground Considering Inherent Anisotropy's Influence, 202007, *Proceedings of 16th International Conference of the International Association for Computer Methods and Advances in Geomechanics (IACMAG)*
- Vincent Lemiale, Mahesh Prakash, Ana Maria Cruz: Data-Driven Approaches to Integrated Disaster Risk Management, Springer Science and Business Media LLC, 202012, *International Journal of Disaster Risk Science*, 11, 6, 693, 695
- Wei Wei, Yong Yuan, Akira Igarashi, Hongping Zhu, Kaitao Luo: Generalized hyper-viscoelastic modeling and experimental characterization of unfilled and carbon black filled natural rubber for civil structural applications, Elsevier, 20200830, *Construction and Building Materials*, 253, 119211,
- Xianzhi Zeng, Kailai Deng, Masahiro Kurata, Jiahong Duan, Canhui Zhao: Seismic performance evaluation of damage-controlled composite steel frame with flexible-gel-covered studs, Elsevier BV, 202009, *Engineering Structures*, 219, 110855, 110855
- Xiaolong Luo, Ana Maria Cruz, Dimitrios Tzioutzios: Extracting Natech Reports from Large Databases: Development of a Semi-Intelligent Natech Identification Framework, Springer Science and Business Media LLC, 202012, *International Journal of Disaster Risk Science*, 11, 6, 735, 750
- Xinhao He, Akira Igarashi: Multi-objective design of slide bridge bearings under seismic excitations by deterministic-stochastic approach, Japan Association for Earthquake Engineering (JAEE), International Association of Earthquake Engineering (IAEE), 202009, *Proc. 17th World Conference on Earthquake Engineering (17WCEE)*, 17, 2b-0141
- Xinhao He, Akira Igarashi: A multi-objective optimal parameter design procedure for slide bridge bearings under seismic excitation based on a deterministic-stochastic modeling approach, European Association for Structural Dynamics (EASD), 20201123, *Proc. 11th International Conference on Structural Dynamics (EURODYN 2020)*, 11, 3643, 3654
- Xu Jiawei, Uzuoka Ryosuke, Ueda Kyohei: Centrifuge model tests on the dynamic response of slopes subjected to water storage at the toe area, The Japanese Geotechnical Society, 2020, *Japanese Geotechnical Society Special Publication*, 8, 11, 459, 464
- Yamori, K, Sugiyama, T: Development and social implementation of smartphone app Nige-Tore for improving tsunami evacuation drills: Synergistic effects between commitment and contingency., 2020, *International Journal of Disaster Risk Science*
- Yang, J.-A., Kim, S., Son, S., Mori, N., Mase, H.: Correction to: Assessment of uncertainties in projecting future changes to extreme storm surge height depending on future SST and greenhouse gas concentration scenarios (*Climatic Change*, (2020), 162, 2, (425-442), 10.1007/s10584-020-02782-7), *SPRINGER*, 2020, *Climatic Change*, 162, 2, 02782, 7
- Yao-Chong Sun, Hengxin Ren, Ken'ichi Yamazaki, Ling Zeng, Qinghua Huang, Xiaofei Chen: Semi-analytical solutions of seismo-electromagnetic signals arising from the motional induction in 3-D multi-layered media: part I—theoretical formulations, Springer Science and Business Media LLC, 20210120, *Earth, Planets and Space*, 73, 1
- YASUYUKI BABA, TERUHIRO KUBO, NOBUHITO MORI, YASUNORI WATANABE, TOMOHITO YAMADA, AYUMI SARUWATARI, JUNICHI OTSUKA, YUSUKE UCHIYAMA, JUNICHI NINOMIYA, TOMOYA SHIMURA: High wave conditions due to typhoons measured at an offshore observation tower, 202009, *APD-IAHR2020*
- Ying-Hsin Wu: Coupled empirical-mechanical modeling of debris flows occurred in small ungauged basins, 202101, *Environmental Earth Sciences*, 80, 45
- Ying-Hsin WU, Eiichi NAKAKITA, Masaru KUNITOMO: FUTURE CHANGE OF RAINFALL-TRIGGERED LANDSLIDE RISK USING NHRCM05 BASED ON CRITICAL LINE METHOD, 2020, 65, 2, I_67, 72
- Ying-Hsin Wu, Eiichi Nakakita, Masaru Kunitomo: Future change of rainfall-triggered landslide risk using NHRCM05 based on critical line method, 202011, *Journal of Japan Society of Civil Engineers, Ser. B1 (Hydraulic Engineering)*, 76, 2, I_67,

I_72

- Yohei Yukutake, Takaki Iwata, Yoshihisa Iio: Estimation of the heterogeneity of stress fields using misfit angles in focal mechanisms, ELSEVIER, 202009, TECTONOPHYSICS, 790, 228553, 228553
- Yongsheng Yang, Hirokazu Tatano, Quanyi Huang, Huan Liu, Gentaro Yoshizawa, Ke Wang: Evaluating the societal impact of disaster-driven infrastructure disruptions: A water analysis perspective, 202101, International Journal of Disaster Risk Reduction, 52
- Yoshihiro Ito, Spahr C. Webb, Yoshihiro Kaneko, Laura M. Wallace, Ryota Hino: Sea Surface Gravity Waves Excited by Dynamic Ground Motions from Large Regional Earthquakes, SEISMOLOGICAL SOC AMER, 202007, SEISMOLOGICAL RESEARCH LETTERS, 91, 4, 2268, 2277
- Yoshihisa Iio, Satoshi Matsumoto, Yusuke Yamashita, Shin'ichi Sakai, Kazuhide Tomisaka, Masayo Sawada, Takashi Iidaka, Takaya Iwasaki, Megumi Kamizono, Hiroshi Katao, Aitaro Kato, Eiji Kurashimo, Yoshiko Teguri, Hiroo Tsuda, Takashi Ueno: Stationarity of aftershock activities of the 2016 Central Tottori Prefecture earthquake revealed by dense seismic observation, Springer Science and Business Media LLC, 202012, Earth, Planets and Space, 72, 1
- Yoshiki Ikeda: Fundamental equation based on pole allocation for interstory seismic isolation of buildings, Wiley, 202103, Structural Control and Health Monitoring, 28, 3
- Yoshiya Touge, Jacqueline Muthoni Mbugua, So Kazama, Temur Khujanazarov, Kenji Tanaka: Detecting Irrigation Effect on Surface Temperature using Modis and Land Surface Model in Whole Uzbekistan, 202009, Proc. of 2020 IEEE International Geoscience and Remote Sensing Symposium, 4951, 4954
- Yoshiya Usui, Makoto Uyeshima, Tsutomu Ogawa, Ryokei Yoshimura, Naoto Oshiman, Satoru Yamaguchi, Hiroaki Toh, Hideki Murakami, Koki Aizawa, Toshiya Tanbo, Yasuo Ogawa, Tadashi Nishitani, Shin'ya Sakanaka, Masaaki Mishina, Hideyuki Satoh, Tada-nori Goto, Takafumi Kasaya, Toru Mogi, Yusuke Yamaya, Ichiro Shiozaki, Yoshimori Honkura: Electrical Resistivity Structure Around the Atotsugawa Fault, Central Japan, Revealed by a New 2-D Inversion Method Combining Wideband-MT and Network-MT Data Sets, American Geophysical Union ({AGU}), 202102, Journal of Geophysical Research: Solid Earth, 126, 4
- Yu Li, Jeanne J. Huang, Maochuan Hu, Hong Yang, Kenji Tanaka: Design of low impact development in the urban context considering hydrological performance and life-cycle cost, Wiley, 202009, Journal of Flood Risk Management, 13, 3
- Yu Otsuki, Dan Li, Santanu S. Dey, Masahiro Kurata, Yang Wang: Finite element model updating of an 18-story structure using branch-and-bound algorithm with epsilon-constraint, Springer Science and Business Media LLC, 20210127, Journal of Civil Structural Health Monitoring
- Yuan Liu, Masanori Tani, Masahiro Kurata, Chikai Watase, Minehiro Nishiyama: Study on I-shaped section steel braces partially strengthened by induction heating, Elsevier BV, 202005, Engineering Structures, 210, 110341, 110341
- Yuan Liu, Minehiro Nishiyama, Masanori Tani, Masahiro Kurata, Kaho Iwata: Steel beam with web opening reinforced by induction heating, Elsevier BV, 202101, Journal of Constructional Steel Research, 176, 106399, 106399
- Yuki Susukida, Kei Katsumata, Masayoshi Ichianagi, Mako Ohzono, Hiroshi Aoyama, Ryo Tanaka, Masamitsu Takada, Teruhiro Yamaguchi, Kazumi Okada, Hiroaki Takahashi, Shin'ichi Sakai, Satoshi Matsumoto, Tomomi Okada, Toru Matsuzawa, Hiroki Miyamachi, Shuichiro Hirano, Yoshiko Yamanaka, Shinichiro Horikawa, Masahiro Kosuga, Hiroshi Katao, Yoshihisa Iio, Airi Nagaoka, Noriko Tsumura, Tomotake Ueno, Koji Miyakawa, Shin'ichi Tanaka, Miwako Ando, Naoki Uchida, Ryosuke Azuma, Ryota Takagi, Keisuke Yoshida, Takashi Nakayama, Satoshi Hirahara, Toshiko Terakawa, Yuta Maeda, Hiroki Miyamachi, Hiroshi Yakiwara: Focal mechanisms and the stress field in the aftershock area of the 2018 Hokkaido Eastern Iwate earthquake (M-JMA=6.7), SPRINGER, 202101, EARTH PLANETS AND SPACE, 73, 1
- Yuko Araki, Akihiko Hokugo, Abel Táiti Konno Pinheiro, Nobuhito Ohtsu, Ana Maria Cruz: Explosion at an aluminum factory caused by the July 2018 Japan floods: Investigation of damages and evacuation activities, Elsevier BV, 202011, Journal of Loss Prevention in the Process Industries, 104352, 104352
- Zakeria Shnizai, Yuki Matsushi, Hiroyuki Tsutsumi: Late Pleistocene slip rate of the Chaman fault based on ^{10}Be exposure dating of offset geomorphic surfaces near Kabul, Afghanistan, Elsevier BV, 202011, Tectonophysics, 795, 228593, 228593

令和3年度

- 浅野晃太, 後藤浩之, 奥村与志弘, 澤田純男: 2018年大阪府北部の地震における高槻市・茨木市の建物被害分布と要因に関する地理学的考察, 2021, 土木学会論文集 A1 (構造・地震工学), 77, 4, I_638, I_648
- 飯干 歩, 平石哲也, 濱田英外, 森田章一: 可動式津波低減設備”防波扉”の実用化に関する研究, 202106, 土木学会論文集 B3 (海洋開発) Vol.46, No.2, Vol.46, No.2
- 井口 正人: 2015年口永良部島噴火の火山活動推移と避難の意思決定, 公益社団法人 東京地学協会, 20211225, 地学雑誌, 130, 6, 755, 770
- 岩堀 卓弥, 中野 元太, 矢守 克也: 日本とメキシコの地震リスク認知の欠落を相互補完するサイエンスコミュニケーション, 202202, 自然災害科学, 40, 4
- 上野, 勝利, 高原, 利幸, 渦岡, 良介: 電線を埋設して浸水や空洞化を検知する静電容量型センサの提案-Proposal of Capacitance Sensors to Detect Immersion and Cavitation, 202108, 地盤工学会誌, 69, 8, 31, 36
- 浦上 佳太, 米山 望: 三次元流体剛体連成解析手法の地すべり津波に対する再現性検証, 2021, 自然災害科学, 40, 2, 243, 259
- 浦上 佳太, 米山 望: 2DH3DHybrid 手法による海底地すべり津波挙動の基礎的検討, 2021, 土木学会論文集 B2(海岸工学), 77, 2, I_247, I_252
- 大谷竜, 兵藤守, 林能成, 橋本学, 堀高峰, 川端信正, 隈本邦彦, 岩田孝仁, 横田崇, 谷原和憲, 入江さやか, 福島洋: 南海トラフ地震情報を使った防災対応上の潜在的課題群の抽出法の開発—ゆっくりすべりケースに対するテレビ報道を例に—, 202105, 日本地震工学会論文集, 21, 2, 2_34, 2_56
- 大中 臨, 赤松 良久, 矢野 真一郎, 二瓶 泰雄, 山田 真史, 佐山 敬洋: 令和2年7月豪雨における球磨川渡人吉地区の河川氾濫の実態解明, 2021, 土木学会論文集 B1 (水工学), 77, 1, 203, 214
- 大野哲之, 山口弘誠, 中北英一: 集中豪雨発生の早期探知に向けた熱力学的効果を伴う渦度場のスケール解析, 202110, 土木学会論文集 B1 (水工学), 77, 1129, 1134
- 岡田夏美, 中野元太, 原夕紀子, 舟橋宗毅, 矢守克也: 学校閉校後も持続する学校—地域協働型防災活動フレームワーク—防災ミュージアムの設立と期待される効果—, 202108, 地区防災計画学会, 21, 75, 87
- 岡田智晴, 志村智也, WEBB Adrean, 宮下卓也, 森信人, 水田亮: CMIP6 実験にもとづくスラブ海洋結合全球大気気候モデルを用いた気候変動の台風への影響評価, 2021, 土木学会論文集 B2(海岸工学)(Web), 77, 2
- 小坂田ゆかり, 中北英一: 線状対流系の擬似温暖化実験に周辺擾乱が与える影響と環境場指標の解析, 2021, 土木学会論文集 B1 (水工学), 77, 2, I_1255, I_1260
- 梶谷 義雄, 杉浦 聡志, 畑山 満則, 高木 朗義: 災害時の避難行動に対する態度形成と避難実態に関する要因分析: 平成30年7月豪雨を対象として, 日本自然災害学会, 2021, 自然災害科学, 39, 3, 207, 220
- 鹿野 和彦, 柳沢 幸夫, 奥野 充, 中川 光弘, 内村 公大, 味喜 大介, 井口 正人: 鹿児島湾奥, 始良カルデラにおける後カルデラ火山活動と環境の変遷, 一般社団法人 日本地質学会, 20220115, 地質学雑誌, 128, 1, 43, 62
- 近者敦彦, 関本大晟, 橋本舜也, 豊島靖, 升水義浩, 村上悦生, 川村布由子, 崔国慶, 小島広宜, 関正造, 柴田良一, 阿山佳樹, 平塚康嗣, 佐山敬洋: 兵庫県全域リアルタイム氾濫予測システムの構築, 202106, 河川技術論文集, 27, 69, 74
- 小井宣秀, 武藤 裕則, 田村 隆雄, 馬場 康之: 西谷川および熊野川谷川流域における降水と流砂量の関係性, 2021, 土木学会論文集 F6 (安全問題), 77, 2, I_134, I_147
- 小池宏之進, 森信人, 志村智也, 宮下卓也, 二宮順一: MRI-AGCM150年予測を用いた気候変動に伴う爆弾低気圧の将来変化と日本沿岸波浪への影響, 2021, 土木学会論文集 B2(海岸工学)(Web), 77, 2
- 小柴 孝太, 遠藤 優輝, 角 哲也: 画像解析を用いた網場の挙動推定とダム湖の環境条件との関係, 2021, 土木学会論文集 B1 (水工学), 77, 2, I_1069, I_1074
- 小柴 孝太, 清野 泰弘, 村上 桂山, 高田 翔也, 角 哲也: ナローマルチビームを用いたダム湖の沈木探査の可能性, 202203, ダム工学, 32, 1, 4, 15
- 小柴 孝太, 村上 桂山, 清野 泰弘, 角 哲也: ダムのメンテナンスに資する堆砂測量で負の堆砂量が計測される問題, 202203, インフラメンテナンス実践研究論文集, 1, 1, 241, 250
- 斎藤芳樹, 川池健司, 山野井一輝, 武田誠, 中川一: NHRCM2km 降水量データを用いた内水氾濫の将来変化, 202111, 土木学会論文集 B1 (水工学), 77, 2, I_499, I_504

- 阪本真由美, 中道治久, 高橋若菜, 荒島千鶴, 荒木田勝: 欧州の越境火山災害をめぐるガバナンスの萌芽—2010年アイスランド火山噴火を契機として—, 日本自然災害学会, 202105, 自然災害科学, 40, 1, 51, 66
- 佐藤笙子, 森信人, 志村智也, 宮下卓也: 位相解像型波浪モデルを用いた強風時の風波発達モデルの開発, 2021, 土木学会論文集 B2(海岸工学)(Web), 77, 2
- 佐藤健, 桜井愛子, 小田隆史, 村山良之, 矢守克也: コミュニティ・スクールにおける学校防災の推進モデル—横浜市立北綱島小学校の事例—, 2021, 自然災害科学
- 澤田直人, 塚本 悠太, 竹門 康弘: 深泥池の陸産および淡水産貝類相, 20210620, ちりぼたん, 50, 2, 78, 86
- 島崎諒子, 宮田秀介, 竹之内健介, 堤大三, 藤田正治: 現地観測に基づいた関数モデルによる斜面の災害危険度指標, 202201, 砂防学会誌, 74, 5, 26, 33
- 志村 智也, William J, PRINGLE, 森 信人, 宮下 卓也, 吉田 康平: 過去から温暖化条件下の将来へのシームレスな全球高潮・高波評価, 2021, 土木学会論文集 B2(海岸工学), 77, 2, I_949, I_954
- 志村智也, PRINGLE William J., 森信人, 宮下卓也, 吉田康平: 過去から温暖化条件下の将来へのシームレスな全球高潮・高波評価, 2021, 土木学会論文集 B2(海岸工学)(Web), 77, 2
- 曾我部哲人, 牧紀男, 澤田雅浩: 地震災害が地域人口に与える長期的影響の研究—2004年新潟県中越地震を対象として—, 202203, 地域安全学会論文集, 40, 4
- 高木雅史, 森信人, 二宮順一, 志村智也, 宮下卓也: 風波碎波による海洋表層混合の台風への影響, 2021, 土木学会論文集 B2(海岸工学)(Web), 77, 2
- 高田 翔也, 小柴 孝太, 村上 桂山, 角 哲也: ダム貯水池の NMB 測量による沈木探査および沈木発生過程に関する基礎的検討, 202111, 河川技術論文集, 27, 661, 666
- 田窪 亮介, 米山 望, 伊藤 理彩, 東海 明宏: 巨大津波発生時の淀川における化学物質拡散予測に関する 2DH-3D ハイブリッド解析, 2021, 自然災害科学, 40, 2, 223, 242
- 武田誠, 大溝諒介, 川池健司, 田中智大, 立川康人: 将来予測における大規模洪水を対象とした想定浸水の検討, 202111, 土木学会論文集 B1 (水工学) , 77, 2, I_7, I_12
- 竹之内健介, 本間寛寛, 矢守克也, 鈴木靖: 災害対応の素振り・振返りのための訓練ツールの機能評価—水害を対象とした事前検証を通じて—, 2021, 災害情報, 19, 11, 22
- 竹之内健介, 高橋和利, 矢守克也: ローカルスイッチ形成における地域と行政の連携—京都府福知山市の事例を通じて—, 2021, 土木学会論文集 F6(安全問題), 77, 44, 52
- 田中賢治: 超高解像度気候モデルと将来土地利用変化を用いた日本の水資源量の長期変化予測, 202111, 土木学会論文集 B1(水工学), 77, 2, I_211, I_216
- 田中 皓介, 稲垣 具志, 岩田 圭佑, 大西 正光, 神田 佑亮, 紀伊 雅敦, 栗原 剛, 小池 淳司, 佐々木 邦明, 佐々木 葉, Schmöcker Jan-Dirk, 白水 靖郎, 泊 尚志, 兵藤 哲朗, 藤井 聡, 藤原 章正, 松田 曜子, 松永 千晶, 松本 浩和, 吉田 樹: COVID-19 緊急事態宣言下における意識・行動の基礎的調査, 202106, 土木学会論文集 D3 (土木計画学), 77, 2, 129, 140
- 田中 宣多, 中村 満太, 上田 恭平, 渦岡 良介: 樹木を有する斜面の地震時応答特性・安定性, 公益社団法人 土木学会, 2021, 土木学会論文集 A1 (構造・地震工学) , 77, 4, I_689, I_696
- 棚田 嘉博, 井口 正人, 筒井 智樹: 有限長直交符号を用いた多点間弾性波伝搬特性の同時測定法—A Method of Simultaneously Measuring Multiple Elastic Transmission Characteristics Using Orthogonal Finite Length Codes, 物理探査学会, 2021, 公益社団法人物理探査学会学術講演会講演論文集 = Proceedings of the SEGJ Conference, 144, 44, 47
- 棚田 嘉博, 井口 正人, 筒井 智樹: Huffman 系列の最大絶対値の評価, 電気・情報関係学会九州支部連合大会委員会, 20210917, 電気関係学会九州支部連合大会講演論文集, 2021, 84, 85
- 為栗健, 八木原 寛, 筒井 智樹, 井口 正人: 高分解能な 3 次元地震波速度構造解析による始良カルデラ下のイメージング, 特定非営利活動法人 日本火山学会, 20220331, 火山, 67, 1, 69, 76
- 筒井 智樹, 為栗 健, 井口 正人: 人工地震記録による始良カルデラ西部の地殻内 S 波地震反射面の推定, 特定非営利活動法人 日本火山学会, 20210630, 火山, 66, 2, 71, 81
- 中北英一, 原田葉知, 小坂田ゆかり: 地球温暖化に伴う梅雨期の降雨および大気場のタイムシームレスな将来変化解析, 2021, 土木学会論文集 B1 (水工学) , 77, 2, I_1273, I_1278
- 中條壯大, 三宅一成, 森信人, 辻本剛三, 安田誠宏, 二宮順一, 馬場康之: 自己相関粒度分布測定法の精度に及ぼす砂浜特性の影響, 2021, 土木学会論文集 B2(海岸工学)(Web), 77, 2

- 仲野健一, 川瀬博: 経験的に得られたフーリエ振幅・経時特性モデルに基づく統計的グリーン関数を用いた強震動予測手法の提案と適用性の検証, 202105, 21, 2, 2_130, 2_153
- 中野元太, 矢守克也: チェーンド・ビジュアル・エスノグラフィの展望 防災アクションリサーチの多声的・多角的現実の表現, 2021, 質的心理学研究, 20, 特集号, 90, 96
- 野末陽平, 深畑幸俊: 基底関数展開による変位場推定における ボックスカー関数と 3 次 B-スプライン関数の比較, 20220322, 75, 1, 12
- 東豊, 堤大三, 宮田秀介, 藤田正治: パルス法による山地河川における流砂量推定手法の高度化, 202201, 砂防学会誌, 74, 5, 3, 13
- 船木伸江, 山崎悦子, 矢守克也: 災害の実体験を基にしたお話教材の授業分析: 学びの深まりと学習の主体性の観点から, 2021, 防災教育学研究, 2, 113, 113122
- 船木伸江, 矢守克也, 中村翼: もうひとつの被災一大災害の当日生まれの青年の苦しみと回復過程, 2021, 質的心理学研究, 20, 224, 236
- 本田 洋平, 渡部 哲史, 知花 武佳, 山田 真史, 阿部 紫織, 菊地 純, 斉藤 健, 伊藤 俊介, 藤沢 直志, 池内 幸司: 大規模気候予測情報に基づく河川流量将来変化倍率の幅に関する考察, 202111, 土木学会論文集 B1 (水工学), 77, 2, I_175, I_180
- 間瀬 肇, 由比政年, 金 洙列, 榎田真也, 松下紘資, 安田誠宏, 平山克也: 越波流量算定式の再考察と IFORM の精度向上, 2021, 土木学会論文集 B2 (海岸工学), 77, 1, 18, 27
- 松下紘資, 鶴江智彦, 河村裕之, 平山隆幸, 平石哲也, 間瀬 肇: 没水型長周期波対策工に適用した消波ブロックの耐波安定性と周期特性, 2021, 土木学会論文集 B1 (海洋開発), 77, 2, I_85, I_90
- 松原悠, 矢守克也: 大規模災害からの復旧戦略検討における「タイムライン・メディエーション」手法の開発, 202112, 質的心理学研究, 20, Special, S51, S58
- 松原悠, 矢守克也: 大規模災害からの復旧プロセスにおける『いつ』に関するコンフリクト』についての基礎的考察, 202110, 自然災害科学, 40, 特別号, 143, 155
- 松原悠: 新型コロナウイルス感染症の流行に伴う「自粛警察」についての一考察: 言説空間の変容に注目して, 20210929, 災害と共生, 5, 1, 13, 27
- 松原悠: <書評>小松理虔(著)『新復興論 増補版』, 202203, 災害と共生, 5, 2, 31, 33
- 三浦 爽, 小柴 孝太, 角 哲也, 流砂観測を援用した排砂バイパストンネルの運用高度化手法の検討, 2021, 土木学会論文集 B1 (水工学), 77, 2, I_577, I_582
- 道頭理緒奈, 堀智晴: 水害経験が避難の意思決定に及ぼす影響に関する強化学習分析, 2021, 土木学会論文集 B1(水工学), 77, 2, I_1483, I_1488
- 宮下卓也, 倉田一輝, 安田誠宏, 森信人, 志村智也: 確率津波モデルを用いた南海トラフ巨大地震による津波高の不確か性評価, 2021, 土木学会論文集 B2(海岸工学)(Web), 77, 2
- 宮田秀介, 野中理伸, 轟本孝也, 上小牧和貴, 岩男忠明, 藤田正治: TDR センサーを用いた土石流の間隙流体土砂濃度の現地観測, 202111, 砂防学会誌, 74, 4, 42, 47
- 武藤 裕花, 知花 武佳, 山田 真史, 渡部 哲史: 地質の異なる山地河川流域における月別平均流量と複数期間の総降水量の関係性, 202111, 土木学会論文集 B1 (水工学), 77, 2, I_151, I_156
- 森信人, LYU Zuorui, SABUNAS Audrius, 志村智也, 宮下卓也: 大気の広域および局所変化を考慮した統計的波浪モデルの開発, 2021, 土木学会論文集 B2(海岸工学)(Web), 77, 2
- 森壮太郎, 森信人, 志村智也, 宮下卓也: 気候変動による日本主要湾における可能最大クラス高潮の長期変化, 2021, 土木学会論文集 B2(海岸工学)(Web), 77, 2
- 山上 路生, 角 哲也, 小柴 孝太, 高田 翔也, 岡本 隆明, 長坂 香織: 沈木の限界掃流力に関する基礎的研究, 2021, 土木学会論文集 B1 (水工学), 77, 2, I_823, I_828
- 山口弘誠, 村瀬公崇, 中北英一: 積乱雲周辺の対流圏中層水蒸気が降雨強化へ及ぼす影響と指標化, 202110, 土木学会論文集 B1 (水工学), 77, 1141, 1146
- 山田 真史, 佐山 敬洋, 山崎 大, 渡辺 恵: 日本全域分布型水文モデルへの河道測量横断面反映手法の開発と水位再現性の検証, 202203, 土木学会論文集 B1 (水工学), 78, 1, 7, 22
- 山野井 一輝, 藤田 正治, 鈴木 豪太: SiMHIS と NHRCM05 出力データを用いた土砂・洪水災害の将来変化に関する研究, 公益社団法人 土木学会, 2021, 土木学会論文集 B1 (水工学), 77, 2, I_481, I_486
- 矢守克也, 舟橋宗毅, 岡田夏美, 原夕紀子, 中野元太: 巣ごもりフィールドワーク —コロナ禍におけるリモート防災実践の現場から, 202112, 質的心理学研究, 20, 臨時特集, 16, 21

- 矢守克也: 書評論文 連城三紀彦 (著)『戻り川心中』, 2021, 災害と共生
- 矢守克也: 書評論文 山崎正和 (著)『演技する精神』, 2021, 災害と共生
- 矢守克也: 書評論文 伊藤亜紗 (著)『手の倫理』, 2021, 災害と共生
- 矢守克也: 書評論文 伊藤亜紗 (著)『記憶する体』, 2021, 災害と共生
- 矢守克也, 杉山高志: 「クロスロード」を用いた〈二者択一〉の克服—新型コロナ感染症と南海トラフ地震の臨時情報対応をめぐる—, 2021, 地区防災計画学会誌
- 矢守克也: 〈実験社会心理学研究〉に関する研究, 2021, 実験社会心理学研究, 60, 63, 81
- 吉積 尚志, 瀬木 俊輔, 大西 正光, 小林 潔司: 協力ゲーム理論の仁を用いた遅延責任配分, 2021, 土木学会論文集 F4 (建設マネジメント), 77, 1, 153, 171
- Akihiko Terada, Wataru Kanda, Yasuo Ogawa, Taishi Yamada, Mare Yamamoto, Takahiro Ohkura, Hiroshi Aoyama, Tomoki Tsutsui, Shin'ya Onizawa: The 2018 phreatic eruption at Mt. Motoshirane of Kusatsu-Shirane volcano, Japan: eruption and intrusion of hydrothermal fluid observed by a borehole tiltmeter network, Springer Science and Business Media LLC, 202112, Earth, Planets and Space, 73, 1
- Alessio Misuri, Ana Maria Cruz, Hyejeong Park, Emmanuel Garnier, Nobuhito Ohtsu, Akihiko Hokugo, Isamu Fujita, Shinichi Aoki, Valerio Cozzani: Technological accidents caused by floods: The case of the Saga prefecture oil spill, Japan 2019, 202112, International Journal of Disaster Risk Reduction, 66
- Alexandros P. Poulidis, Sébastien Biass, Gholamhossein Bagheri, Tetsuya Takemi, Masato Iguchi: Atmospheric vertical velocity - a crucial component in understanding proximal deposition of volcanic ash, Elsevier BV, 202107, Earth and Planetary Science Letters, 566, 116980, 116980
- Anurag Sahare, Kyohei Ueda, Ryosuke Uzuoka: Influence of the sloping ground conditions and the subsequent shaking events on the pile group response subjected to kinematic interactions for a liquefiable sloping ground, 202201, Soil Dynamics and Earthquake Engineering, 152
- Arben Pitarka, Robert Graves, Kojiro Irikura, Ken Miyakoshi, Changjiang Wu, Hiroshi Kawase, Arthur Rodgers, David McCallen: Refinements to the Graves-Pitarka Kinematic Rupture Generator, Including a Dynamically Consistent Slip-Rate Function, Applied to the 2019 Mw 7.1 Ridgecrest Earthquake, Seismological Society of America (SSA), 20211012, Bulletin of the Seismological Society of America
- Audrius SABŪNAS, Nobuhito MORI, Nobuki FUKUI, Tomoya SHIMURA, Takuya MIYASHITA, Adrean WEBB: Assessing Social Impact of Storm Surge and Sea Level Rise Compound Effects in Viti Levu, Fiji, Comparing With The Historical TC Records, Japan Society of Civil Engineers, 2021, Journal of Japan Society of Civil Engineers, Ser. B2 (Coastal Engineering), 77, 2, I_943, I_948
- Audrius Sabunas, Takuya Miyashita, Nobuki Fukui, Tomoya Shimura, Nobuhito Mori: Impact Assessment of Storm Surge and Climate Change-Enhanced Sea Level Rise on Atoll Nations: A Case Study of the Tarawa Atoll, Kiribati: FRONTIERS MEDIA SA, 202111, FRONTIERS IN BUILT ENVIRONMENT, 7
- Baoyintu, Hiroshi Kawase: Quantitative Evaluation of the Seismic Reinforcement Effect Based on Observed Microtremors, World Scientific Pub Co Pte Ltd, 202110, Journal of Earthquake and Tsunami, 15, 05
- Baoyintu, Naren Mandula, Hiroshi Kawase: Broadband Strong-Motion Prediction for Future Nankai-Trough Earthquakes Using Statistical Green's Function Method and Subsequent Building Damage Evaluation, MDPI AG, 20210730, Applied Sciences, 11, 15, 7041, 7041
- Bin Zhu, Tetsuya Hiraishi, Hajime Mase, Yasuyuki Baba, Huaifu Pei, Qing Yang: A 3-D numerical study of the random wave-induced response in a spatially heterogeneous seabed: Elsevier BV, 202107, Computers and Geotechnics, 135, 104159, 104159
- Can Ding, Kenji Kawaike, Hajime Nakagawa, Kazuki Yamanoi: Experimental investigation of suspended load deposition on paddy fields during fluvial inundation, 202109, 40, 特別号, 111, 123
- Caron E.J.Vossen, Corrado Cimarelli, Alec Bennett, André Geislerd, Damien Gaudina, Daisuke Miki, Masato Iguchi, Donald B.Dingwella: Long-term observation of electrical discharges during persistent Vulcanian activity, 202109, Earth and Planetary Science Letters, 570, 15, 117084
- Chengrui Chang, Gonghui Wang: Creep of clayey soil induced by elevated pore-water pressure: Implication for forecasting the

- time of failure of rainfall-triggered landslides, Elsevier BV, 202201, *Engineering Geology*, 296, 106461, 106461
- Che-Wei Chang, Nobuhito Mori: Green infrastructure for the reduction of coastal disasters: a review of the protective role of coastal forests against tsunami, storm surge, and wind waves, Informa UK Limited, 20210605, *Coastal Engineering Journal*, 1, 16
- Chuanbin Zhu, Fabrice Cotton, Dong-Youp Kwak, Kun Ji, Hiroshi Kawase, Marco Pilz: Within-site variability in earthquake site response, Oxford University Press (OUP), 20220212, *Geophysical Journal International*, 229, 2, 1268, 1281
- Chuanbin Zhu, Graeme Weatherill, Fabrice Cotton, Marco Pilz, Dong Youp Kwak, Hiroshi Kawase: An open-source site database of strong-motion stations in Japan: K-NET and KiK-net (v1.0.0), SAGE Publications, 202108, *Earthquake Spectra*, 37, 3, 2126, 2149
- Daiki Hizen, Ryosuke Uzuoka, Katsutoshi Ueno: Validation of Numerical Analysis for Deformation of Clay Ground Based on Uncertainty Quantification, 2021, *Challenges and Innovations in Geomechanics. IACMAG 2021. Lecture Notes in Civil Engineering*, 125, 870, 877
- Dimitrios Tzioutzios, Ana Maria Cruz: Sociodemographic Influences on Public Interest in Natech Risk Information: Insights from Japan and S. Korea, 2021, *Journal of Integrated Disaster Risk Management*, 11, 1, 83, 107
- Emmanuel Garnier, Florence Lahournat: Japanese stone monuments and disaster memory – perspectives for DRR, Emerald, 20220117, *Disaster Prevention and Management: An International Journal*, 31, 6, 1, 12
- Eri Ito, Cécile Cornou, Fumiaki Nagashima, Hiroshi Kawase: Estimation of Velocity Structures in the Grenoble Basin, France, Using Pseudo Earthquake Horizontal-to-Vertical Spectral Ratio from Microtremors, Seismological Society of America (SSA), 20210401, *Bulletin of the Seismological Society of America*, 111, 2, 627, 653
- Eva Mia Siska Yamamoto, Takahiro Sayama, Kaoru Takara: Impact of Rapid Tourism Growth on Water Scarcity in Bali, Indonesia, Masyarakat Limnologi Indonesia, 20210630, *Indonesian Journal of Limnology*, 2, 1, 1, 16
- Fahnestock, L., Sause, R., Ricles, J., Simpson, B., Kurata, M., Okazaki, T., Kawamata, Y., Tao, Z., Duke, J., Rivera, D., Astudillo, B., Qie, Y.: Full-scale seismic stability evaluation of a frame-spine system with force-limiting connections, 202104, Annual Stability Conference Structural Stability Research Council 2021
- Faiz Muttaqy, Andri Dian Nugraha, James Mori, Nanang T. Puspito, Pepen Supendi, Supriyanto Rohadi: Seismic Imaging of Lithospheric Structure Beneath Central-East Java Region, Indonesia: Relation to Recent Earthquakes, Frontiers Media SA, 20220126, *Frontiers in Earth Science*, 10
- G. Duan, T. Takemi: Predicting urban surface roughness aerodynamic parameters using random forest, American Meteorological Society, 20210528, *Journal of Applied Meteorology and Climatology*, 60, 7, 999, 1018
- Gaku Kobayashi, Kenji Tanaka, Temur Khujanazarov, Shigenobu Tanaka: High-Resolution and Long-Term Land Surface Analysis in the Aral Sea Basin, 202203, Special issue: Proceedings of DT XIV, DT14-28
- Genta Nakano, Katsuya Yamori: Disaster risk reduction education that enhances the proactive attitudes of learners: A bridge between knowledge and behavior, Elsevier BV, 202112, *International Journal of Disaster Risk Reduction*, 66, 102620, 102620
- Ginaldi Ari Nugroho, Kosei Yamaguchi, Hironori Iwai, Tadayasu Ohigashi, Taro Shinoda, Kazuhisa Tsuboki, Eiichi Nakakita: Convective initiation characteristics by Doppler lidar observation during Ka-band radar first echo: A case study, Japan Society of Civil Engineers, 202112, *Journal of Japan Society of Civil Engineers, Ser. B1 (Hydraulic Engineering)*, 77, 2, I_1303, I_1308
- Haibo Miao, Gonghui Wang: Effects of clay content on the shear behaviors of sliding zone soil originating from muddy interlayers in the Three Gorges Reservoir, China, Elsevier BV, 202109, *Engineering Geology*, 294, 106380, 106380
- Hamilton Bean, Ana Maria Cruz, Mika Shimizu, Keri K. Stephens, Matthew McGlone, Sharon Stover: Mobile Alert and Warning in the United States and Japan: Confronting the Challenges of International Harmonization, Springer Science and Business Media LLC, 202112, *International Journal of Disaster Risk Science*, 12, 6, 928, 934
- Hengxin Ren, Ling Zeng, Yao-Chong Sun, Ken'ichi Yamazaki, Qinghua Huang, Xiaofei Chen: Semi-analytical solutions of seismo-electromagnetic signals arising from the motional induction in 3-D multi-layered media: part II—numerical investigations, Springer Science and Business Media LLC, 202106, *Earth, Planets and Space*, 73, 1

- Hiromasa Nakayama, Tetsuya Takemi, Toshiya Yoshida:
Large-Eddy Simulation of Plume Dispersion in the Central District of Oklahoma City by Coupling with a Mesoscale Meteorological Simulation Model and Observation, MDPI AG, 20210708, *Atmosphere*, 12, 7, 889, 889
- Hiroyuki Goto, Yoshihiro Kaneko, Muriel Naguit, John Young:
Records of Extreme Ground Accelerations during the 2011 Christchurch Earthquake Sequence Contaminated by a Non-linear, Soil-Structure Interaction: Seismological Society of America (SSA), 202104, *Bulletin of the Seismological Society of America*, 111, 2, 704, 722
- Hiroyuki Noda: Dynamic earthquake sequence simulation with a SBIEM without periodic boundaries, Springer Science and Business Media LLC, 202107, *Earth, Planets and Space*, 73, 137
- Hiroyuki Noda: Shear strength of a shear zone in the brittle-plastic transition based on tensorial strain partitioning, Elsevier BV, 202105, *Journal of Structural Geology*, 146, 104313, 104313
- Hitoshi Matsuyama, Shunsuke Aoki, Takuro Yonezawa, Kei Hiroi, Katsuhiko Kaji, Nobuo Kawaguchi: Deep Learning for Ballroom Dance Recognition: A Temporal and Trajectory-Aware Classification Model With Three-Dimensional Pose Estimation and Wearable Sensing, Institute of Electrical and Electronics Engineers (IEEE), 20211115, *IEEE Sensors Journal*, 21, 22, 25437, 25448
- Huan Liu, Hirokazu Tatano, Yoshio Kajitani: Estimating lifeline resilience factors using post-disaster business recovery data, SAGE Publications, 202105, *Earthquake Spectra*, 37, 2, 567, 586
- Huan Liu, Hirokazu Tatano, Yoshio Kajitani, Yongsheng Yang: Modelling post-disaster recovery process of industrial sectors: A case study of 2016 Kumamoto earthquakes, 202107, *International Journal of Disaster Risk Reduction*, 61
- Izuru Takayabu, Roy Rasmussen, Eiichi Nakakita, Andreas Prein, Hiroaki Kawase, Shunichi Watanabe, Sachio A. Adachi, Tetsuya Takemi, Kosei Yamaguchi, Yukari Osakada, Ying-Hsin Wu: Convection-Permitting Models for Climate Research, American Meteorological Society, 20210917, *Bulletin of the American Meteorological Society*, 102, 1, 1, 12
- Izuru Takayabu, Roy Rasmussen, Eiichi Nakakita, Andreas Prein, Hiroaki Kawase, Shun-ichi Watanabe, Sachio A. Adachi, Tetsuya Takemi, Kosei Yamaguchi, Yukari Osakada, Ying-Hsin Wu: Convection-Permitting Models for Climate Research, 202201, *Bulletin of the American Meteorological Society*, 103, 1, E77, E82
- J Tago, V M Cruz-Atienza, C Villafuerte, T Nishimura, V Kostoglodov, J Real, Y Ito: Adjoint slip inversion under a constrained optimization framework: revisiting the 2006 Guerrero slow slip event, Oxford University Press (OUP), 20210519, *Geophysical Journal International*, 226, 2, 1187, 1205
- Ji Dang, Akira Igarashi, Kunihiro Hayashi: Probability distribution of ultimate strain for aging deteriorated rubber bearings by Bayesian estimation, CRC Press, 20210411, *Bridge Maintenance, Safety, Management, Life-cycle Sustainability and Innovations, Proc. 10th Int.Conf. on Bridge Maintenance, Safety and Management (IABMAS 2020)*, 10, 1008, 1013
- Jiawei Xu, Kyohei Ueda, Ryosuke Uzuoka: Evaluation of failure of slopes with shaking-induced cracks in response to rainfall, 202201, *Landslides*, 19, 1, 119, 136
- Jie Hu, Chiang C. Mei, Che-Wei Chang, Philip L-F. Liu: Effect of flexible coastal vegetation on waves in water of intermediate depth, Elsevier BV, 202109, *Coastal Engineering*, 168, 103937, 103937
- Jikai Sun, Fumiaki Nagashima, Hiroshi Kawase, Shinichi Matsushima, Baoyintu: Simulation of building damage distribution in downtown Mashiki, Kumamoto, Japan caused by the 2016 Kumamoto earthquake based on site-specific ground motions and nonlinear structural analyses, Springer Science and Business Media LLC, 202107, *Bulletin of Earthquake Engineering*, 19, 9, 3491, 3521
- Junzo Kasahara, Yoko Hasada, Haruyasu Kuzume, Yoshihiro Fujise, Hitoshi Mikada, Keigo Yamamoto: Seismic Feasibility Study to Identify and Characterize Supercritical Geothermal Reservoirs Using DTS, DAS and Surface Seismic Array, 2021, *Proceedings World Geothermal Congress 2020+1*, 1, 9
- Katrina Montes, Ji Dang, Yuqing Tan, Akira Igarashi, Takehiko Himeno: Nonlinear model classification of HDR-S bearing under low temperature using artificial neural network, 20210914, *9th International Conference on Experimental Vibration Analysis for Civil Engineering Structures (EVACES 2021)*, 9, S10-3, 557, 566
- Katrina Montes, Ji Dang, Yuqing Tan, Akira Igarashi, Takehiko Himeno: Machine learning enhanced nonlinear model parameter selection from HDR-S cyclic loading test, 20210914, *9th*

- International Conference on Experimental Vibration Analysis for Civil Engineering Structures (EVACES 2021), 9, S10-1, 531, 543
- Kawata, Y, Takenouchi, K, Yamori K: Education for disaster risk reduction in Hyogo towards hand down from generation to generation,, 2021, Journal of Disaster Research, 16, 244, 249
- Kazuto TAKEMURA, Takeshi ENOMOTO, Hitoshi MUKOUGAWA: Predictability of Enhanced Monsoon Trough Related to the Meandered Asian Jet and Consequent Rossby Wave Breaking in Late August 2016, Meteorological Society of Japan, 2021, Journal of the Meteorological Society of Japan. Ser. II, 99, 2, 339, 356
- Kei Hiroi, Akihito Kohiga, Yoichi Shinoda: A CyReal Approach to Sensor System Development, 202109, Proceedings of International Workshop on Informatics 2021, 63, 68
- Keisuke Yoshida, Hiroyuki Noda, Masao Nakatani, Bunichiro Shibazaki: Backward earthquake ruptures far ahead of fluid invasion: Insights from dynamic earthquake-sequence simulations, Elsevier BV, 202110, Tectonophysics, 816, 5, 229038, 229038
- Ken'ichi Yamazaki: Comment on "Piezoelectricity as a mechanism on generation of electromagnetic precursors before earthquakes" by J.H. Wang, Oxford University Press (OUP), 20210915, Geophysical Journal International, 228, 2, 792, 795
- Ken'ichi Yamazaki: Piezomagnetic fields associated with a dislocation source in a layered elastic medium, Oxford University Press (OUP), 20210420, Geophysical Journal International
- Kimiyuki Asano, Tomotaka Iwata: Revisiting the Source Rupture Process of the Mainshock of the 2016 Kumamoto Earthquake and Implications for the Generation of Near-Fault Ground Motions and Forward-Directivity Pulse, Seismological Society of America, 20210720, Bulletin of the Seismological Society of America, 111, 5, 2426, 2440
- Kodai Yamamoto, Takahiro Sayama, Apip: Impact of climate change on flood inundation in a tropical river basin in Indonesia, Springer Science and Business Media LLC, 202112, Progress in Earth and Planetary Science, 8, 5
- Kohei Hotta, Masato Iguchi: Tilt and strain change during the explosion at Minami-dake, Sakurajima, on November 13, 2017, 202112, Earth, Planets and Space, 73, 1
- Kosei Takishita, Alexandros P. Poulidis, Masato Iguchi: In-situ measurement of tephra deposit load based on a disdrometer network at Sakurajima volcano, Japan, 202201, Journal of Volcanology and Geothermal Research, 421
- Kyohei Ueda: Effects of confining - pressure dependent Lamé moduli on the frequency - dependent amplification of a poro - viscoelastic soil layer under horizontal cyclic loading, Wiley, 20210824, International Journal for Numerical and Analytical Methods in Geomechanics
- Kyohei Ueda: Hierarchical Bayesian Approach to Estimating Variability of Liquefaction Resistance of Sandy Soils Considering Individual Differences in Laboratory Tests, 202202, Journal of Geotechnical and Geoenvironmental Engineering, 148, 2, 04021188-1, 04021188-14
- Kyohei Ueda, Susumu Iai: Noncoaxiality considering inherent anisotropy under various loading paths in a strain space multiple mechanism model for granular materials, Wiley, 202104, International Journal for Numerical and Analytical Methods in Geomechanics, 45, 6, 815, 842
- Lei Shi, Yujia He, Masamitsu Onishi, Kiyoshi Kobayashi: Double Moral Hazard and Risk-Sharing in Construction Projects, Institute of Electrical and Electronics Engineers (IEEE), 202112, IEEE Transactions on Engineering Management, 68, 6, 1919, 1929
- Li X. Ning, Chang X. Cheng, Ana M. Cruz, Emmanuel Garnier: Exploring of the spatially varying completeness of a tsunami catalogue, 202203, Natural Hazards, 111, 1, 191, 212
- Liangjie Qi, Masahiro KURATA, Yoshiki IKEDA: Seismic damage thresholds and design methods for two-elevation continuous ceiling systems, Elsevier BV, 202201, Engineering Structures, 251, A, 113530, 113530
- Liangjie Qi, Masahiro Kurata, Yoshiki Ikeda, Keiichiro Kunitomo, Masashi Takaoka: Seismic evaluation of two - elevation ceiling system by shake table tests, Wiley, 202104, Earthquake Engineering & Structural Dynamics, 50, 4, 1147, 1166
- M. B. Zisan, A. Igarashi: Lateral load performance and seismic demand of unbonded scrap tire rubber pad base isolators, Springer Science and Business Media LLC, 20210716, Earthquake Engineering and Engineering Vibration, 20, 3, 803, 821
- Madley, Megan, Yates, Alexander, Savage, Martha, Wang, Weiwei, Okada, Tomomi, Matsumoto, Satoshi, Iio, Yoshihisa, Jacobs, Katrina: Velocity changes around the Kaikōura earthquake ruptures from ambient noise cross-correlations, 202202, Geophysical Journal International, 229, 2, 1357, 1371

- Malcolm Ammons, Hironari Shimada, Jason McCormick, Masahiro Kurata: Experimental Investigation of Foam-Filled CHS Braces under Cyclic Loading, American Society of Civil Engineers (ASCE), 202105, Journal of Structural Engineering, 147, 5, 04021044, 04021044
- Manabu Hashimoto: Is the Long-Term Probability of the Occurrence of Large Earthquakes along the Nankai Trough Inflated?—Conflict between Science and Risk Management—, Seismological Society of America (SSA), 20220331, Seismological Research Letters
- Maria Camila Suarez-Paba, Ana Maria Cruz: A paradigm shift in Natech risk management: Development of a rating system framework for evaluating the performance of industry, Elsevier BV, 202201, Journal of Loss Prevention in the Process Industries, 74, 104615, 104615
- Masanao Shinohara, Shin'ichi Sakai, Tomomi Okada, Hiroshi Sato, Yusuke Yamashita, Ryota Hino, Kimihiro Mochizuki, Takeshi Akuhara: Precise aftershock distribution of the 2019 Yamagata-oki earthquake using newly developed simple anchored-buoy ocean bottom seismometers and land seismic stations, Springer Science and Business Media LLC, 20220104, Earth, Planets and Space, 74, 1
- Masanao Shinohara, Tomoaki Yamada, Hajime Shiobara, Yusuke Yamashita: Development of a Compact Broadband Ocean-Bottom Seismometer, Seismological Society of America (SSA), 20211101, Seismological Research Letters, 92, 6, 3610, 3625
- Masashi Takagi, Junichi Ninomiya, Nobuhito Mori, Tomoya Shimura, Takuya Miyashita: Impacts of wave-induced ocean surface turbulent kinetic energy flux on typhoon characteristics, TAYLOR & FRANCIS LTD, 202201, COASTAL ENGINEERING JOURNAL, 64, 1, 151, 168
- Masato Iguchi, Taishi Yamada, Takeshi Tameguri: Sequence of Volcanic Activity of Sakurajima Volcano, Japan, as Revealed by Non-Eruptive Deflation, 20220307, Frontiers in Earth Science, 10
- Masatoshi Miyazawa, Emily E. Brodsky, Huiyun Guo: Dynamic Earthquake Triggering in Southern California in High Resolution: Intensity, Time Decay, and Regional Variability, American Geophysical Union (AGU), 202106, AGU Advances, 2, 2
- Masaya Toyoda, Nobuki Fukui, Takuya Miyashita, Tomoya Shimura, Nobuhito Mori: Uncertainty of storm surge forecast using integrated atmospheric and storm surge model: a case study on Typhoon Haishen 2020, TAYLOR & FRANCIS LTD, 202201, COASTAL ENGINEERING JOURNAL, 64, 1, 135, 150
- Masayuki Kano, Aoi Ikeuchi, Takuya Nishimura, Shin'ichi Miyazaki, Takeshi Matsushima: Potential of megathrust earthquakes along the southern Ryukyu Trench inferred from GNSS data, Springer Science and Business Media LLC, 202112, Earth, Planets and Space, 73, 1
- Masayuki Maki, Ren Takaoka, Masato Iguchi: Characteristics of particle size distributions of falling volcanic ash measured by optical disdrometers at the sakurajima volcano, japan, 2021, Atmosphere, 12, 5
- Masayuki Maki, Yura Kim, Takehiko Kobori, Kohin Hirano, Dong In Lee, Masato Iguchi: Analyses of three-dimensional weather radar data from volcanic eruption clouds, 202104, Journal of Volcanology and Geothermal Research, 412
- Matthew Turner, Majid Ghayoomi, Kyohei Ueda, Ryosuke Uzuoka: Performance of Rocking Foundations on Unsaturated Soil Layers with Variable Groundwater Levels, 2021, Géotechnique
- Meizhi Liu, Takashi Maruyama, Kansuke Sasaki, Minoru Inoue, Masato Iguchi, Eisuke Fujita: Measurement of Aerodynamic Characteristics Using Cinder Models through Free Fall Experiment, MDPI AG, 20210507, Atmosphere, 12, 5, 608, 608
- Mikio Takebayashi, Masamitsu Onishi, Masato Iguchi: Large volcanic eruptions and their influence on air transport: The case of Japan, Elsevier BV, 202110, Journal of Air Transport Management, 97, 102136, 102136
- Mohamad F. N. Aulady, Toshio Fujimi: Reminders for Learning about Flood Risk Preparedness in Indonesian Poor Villages: Parallel Group In Situ Randomized Controlled Trial, American Society of Civil Engineers ({ASCE}), 202108, Natural Hazards Review, 22, 3
- Nobuhito Mori, Che-Wei Chang, Tomomi Inoue, Yasuaki Akaji, Ko Hinokidani, Shigeyuki Baba, Masashi Takagi, Sotaro Mori, Hironoshin Koike, Miho Miyauchi, Ryosuke Sukanuma, Audrius Sabunas, Takuya Miyashita, Tomoya Shimura: Parameterization of Mangrove Root Structure of Rhizophora stylosa in Coastal Hydrodynamic Model, Frontiers Media SA, 20220104, Frontiers in Built Environment, 7
- Nobuhito Mori, Tetsuya Takemi, Yasuto Tachikawa, Hirokazu Tatano, Tomoya Shimura, Tomohiro Tanaka, Toshimi Fujimi,

- Yukari Osakada, Adrean Webb, Eiichi Nakakita: Recent nationwide climate change impact assessments of natural hazards in Japan and East Asia, Elsevier BV, 202106, *Weather and Climate Extremes*, 32, 100309, 100309
- Nobuhito Ohtsu, Akihiko Hokugo, Ana Maria Cruz, Yukari Sato, Yuko Araki, Hyejeong Park: Evacuation of vulnerable people during a Natech: a case study of a flood and factory explosion in Japan, 2021, *International Journal of Disaster Resilience in the Built Environment*
- Oleg Rybak, Rysbek Satylkanov, E. A. Rybak, A. S. Gubanov, I. A. Korneva, Kenji Tanaka: Parameterization of Shortwave Solar Radiation in Glaciological Applications, 202108, *Russian Meteorology and Hydrology*, 46, 8, 495, 506
- Perea, Tiziano, Jesus, Hiram, Gonzalez, Fernando, Kurata, Masahiro, Leon, Roberto: Large scale testing of WF beam to HSS column connections for seismic applications, 202104, *Proceedings of the Annual Stability Conference Structural Stability Research Council 2021*
- Pin-Ying Wu, Tetsuya Takemi: The impact of topography on the initial error growth associated with moist convection, 202107, *Scientific Online Letters on the Atmosphere*, 17, 134, 139
- R. Plata-Martinez, S. Ide, M. Shinohara, E. S. Garcia, N. Mizuno, L. A. Dominguez, T. Taira, Y. Yamashita, A. Toh, T. Yamada, J. Real, A. Husker, V. M. Cruz-Atienza, Y. Ito: Shallow slow earthquakes to decipher future catastrophic earthquakes in the Guerrero seismic gap, Springer Science and Business Media {LLC}, 20210628, *Nature Communications*, 12, 1
- Raksiri Sukkarak, Weeradetech Tanapalungkorn, Suched Likitlersuang, Kyohei Ueda: Liquefaction analysis of sandy soil during strong earthquake in Northern Thailand, Elsevier BV, 202108, *Soils and Foundations*
- Rocky Talchabhadel, Hajime Nakagawa, Kenji Kawaike, Kazuki Yamanoi, Herman Musumari, Tirtha Raj Adhikari, Rajaram Prajapati: Appraising the Potential of Using Satellite-Based Rainfall Estimates for Evaluating Extreme Precipitation: A Case Study of August 2014 Event Across the West Rapti River Basin, Nepal, AMER GEOPHYSICAL UNION, 202108, *EARTH AND SPACE SCIENCE*, 8, 8,
- Ruben R. Vargas, Zhiyuan Tang, Kyohei Ueda, Ryosuke Uzuoka: Validation of numerical predictions for liquefaction phenomenon – Lateral spreading in clean sands, 202202, *Soils and Foundations*, 62, 1
- S. Takayama, S. Miyata, M. Fujimoto, Y. Satofuka: Numerical simulation method for predicting a flood hydrograph due to progressive failure of a landslide dam, Springer Science and Business Media LLC, 202111, *Landslides*, 18, 11, 3655, 3670
- Samaddar, S, Oteng-Ababio, M, Dayour, F, Ayaribila, A, Obeng, F, K, Ziem, R, Yokomatsu, M: Successful Community Participation in Climate Change Adaptation Programs: on Whose Terms?, 2021, *Environmental Management*, 67, 4, 747, 762
- Saori NAKASHITA, Takeshi ENOMOTO: Factors for an Abrupt Increase in Track Forecast Error of Typhoon Hagibis (2019), 2021, *SOLA*, 17A, 33, 37
- Shao - Dong Shen, Masahiro Kurata, Peng Pan, Zhi - Zhou He: Test, analysis, and design of ovally - perforated vertically - flexible steel plate shear wall (OVSPW), Wiley, 202201, *Earthquake Engineering & Structural Dynamics*, 51, 1, 66, 85
- Shenghua Cui, Xiangjun Pei, Yao Jiang, Gonghui Wang, Xuanmei Fan, Qingwen Yang, Runqiu Huang: Liquefaction within a bedding fault: Understanding the initiation and movement of the Daguangbao landslide triggered by the 2008 Wenchuan Earthquake (Ms = 8.0), Elsevier BV, 202111, *Engineering Geology*, 295, 106455, 106455
- Shi, Y., Xu, P.: Adjustment of Measurements with Multiplicative Random Errors and Trends, Institute of Electrical and Electronics Engineers ({IEEE}), 2021, *IEEE Geoscience and Remote Sensing Letters*, 18, 11, 1916, 1920
- Shingo Hamauzu, Konstantinos Skalomenos, Masahiro Kurata, Marios Theofanous: Local buckling behaviour of high-strength steel tubular columns subjected to one-sided cyclic loading and implications in seismic design of steel MRFs, Elsevier BV, 202203, *Soil Dynamics and Earthquake Engineering*, 154, 107115, 107115
- Shintaro Yamasaki, Toshitaka Kamai, Tatsuya Watanabe: Geological and seafloor investigations of the cause of partial submergence of Yokoshima Island, Nagasaki, Japan, Elsevier BV, 202106, *Engineering Geology*, 287, 106108, 106108
- Shota Kurino, Wei Wei, Akira Igarashi: Seismic fragility and uncertainty mitigation of cable restrainer retrofit for isolated highway bridges incorporated with deteriorated elastomeric bearings, Elsevier, 20210615, *Engineering Structures*, 237, 112190-1, 112190-11
- Si Ha, Hirokazu Tatano, Nobuhito Mori, Toshio Fujimi, Xinyu Jiang: Cost-benefit analysis of adaptation to storm surge due to

- climate change in Osaka Bay, Japan, Springer Science and Business Media LLC, 202112, *Climatic Change*, 169, 3-4
- Sonja A. Behnke, Harald Edens, Seda Senay, Masato Iguchi, Daisuke Miki: Radio Frequency Characteristics of Volcanic Lightning and Vent Discharges, 20210927, *Journal of Geophysical Research: Atmospheres*, 126, 18
- T. Shimura, W. J. Pringle, N. Mori, T. Miyashita, K. Yoshida: Seamless Projections of Global Storm Surge and Ocean Waves Under a Warming Climate, AMER GEOPHYSICAL UNION, 202203, *GEOPHYSICAL RESEARCH LETTERS*, 49, 6
- Tadashi Yamasaki, Freysteinn Sigmundsson, Masato Iguchi: Variable inflation rate of a magmatic deformation source beneath Aira caldera after the 1914 eruption of Sakurajima volcano: Inferences from a linear Maxwell viscoelastic model constrained by geodetic data, 202201, *Journal of Volcanology and Geothermal Research*, 421
- Takahiro Koshihara, Sawa Miura, Tetsuya Sumi: Study on the Koshihara Dam sediment bypass tunnel operation based on sediment transport monitoring in upstream reaches, 2021, *Proc. Intl. Commission on Large Dams*
- Takahiro Miwa, Nobuo Geshi, Jun'ichi Itoh, Toshikazu Tanada, Masato Iguchi: Automatic onsite imaging of volcanic ash particles with VOLCAT: Towards quasi-real-time eruption style monitoring, 202108, *Journal of Volcanology and Geothermal Research*, 416
- Takashi Sumi, Hiroshi Takebayashi, Masami Sakuma, Minoru Hasegawa, Kanako Ito, Seiji Yamamoto, Gen Shibata: Installation and adaptive management of T-shaped and L-shaped spur dikes to control bed deformation and diversify physical environment in rivers, ELSEVIER, 202107, *JOURNAL OF HYDRO-ENVIRONMENT RESEARCH*, 37, 13, 31
- Takayama, S, Satofuka, Y, Fujimoto, M, Miyata, S: A field experimental study of a landslide dam outburst following progressive failure in the Ashiaraidani basin, 202105, *Proceedings of 14th Congress INTERPRAEVENT2021*, 294, 302
- Takeshi Akuhara, Kazuo Nakahigashi, Masanao Shinohara, Tomoaki Yamada, Hajime Shiobara, Yusuke Yamashita, Kimihiro Mochizuki, Kenji Uehira: Lithosphere–asthenosphere boundary beneath the Sea of Japan from transdimensional inversion of S-receiver functions, Springer Science and Business Media LLC, 20210828, *Earth, Planets and Space*, 73, 1, 171
- Takeshi Suzuki, Ryokei Yoshimura, Ken'ichi Yamazaki, Naoto Oshiman: A procedure for stable electrical measurements on a rock sample against high contact resistance as a prerequisite for electrical tomography, Springer Science and Business Media LLC, 202106, *Earth, Planets and Space*, 73, 1
- Takeshige Ishiwa, Yuki Tokuda, Takuya Itaki, Satoshi Sasaki, Yusuke Suganuma, Shintaro Yamasaki: Bathymetry data and water column profiles in the shallow waters of Langhovde in Lützow-Holm Bay, East Antarctica, Elsevier BV, 202106, *Polar Science*, 28, 100650, 100650
- Tetsuro Miyachi, Takeshi Enomoto: Tropical Cyclone Track Forecasts Using NCEP-GFS with Initial Conditions from Three Analyses, Meteorological Society of Japan, 20210820, *SOLA*, 17, 140, 144
- Tetsuto Sogabe, Norio Maki: Do disasters provide an opportunity for regional development and change the societal trend of impacted communities?: Case study on the 1995 Kobe earthquake, 202201, *International Journal of Disaster Risk Reduction*, 67
- Tetsuya Hiraishi, Tetsuya Okutani, Sou Iwata: Effect of Coastal Sand Dune for Reduction of Tsunami Pressures on Seawall, 202106, *Proceeding of the 31st Congress for International Society of Offshore and Polar Engineer*, 31
- Tomoaki Nishikawa, Takuya Nishimura, Yutaro Okada: Earthquake Swarm Detection Along the Hikurangi Trench, New Zealand: Insights Into the Relationship Between Seismicity and Slow Slip Events, American Geophysical Union (AGU), 202104, *Journal of Geophysical Research: Solid Earth*, 126, 4
- Tomohisa Okazaki, Yukitoshi Fukahata, Takuya Nishimura: Consistent estimation of strain-rate fields from GNSS velocity data using basis function expansion with ABIC, Springer Science and Business Media LLC, 202112, *Earth, Planets and Space*, 73, 1, 153
- Tomoya Shimura, Nobuhito Mori, Daisuke Urano, Tetsuya Takemi, Ryo Mizuta: Tropical Cyclone Characteristics Represented by the Ocean Wave-Coupled Atmospheric Global Climate Model Incorporating Wave-Dependent Momentum Flux, American Meteorological Society, 20220115, *Journal of Climate*, 35, 2, 499, 515
- Toshio Fujimi, Masahide Watanabe, Hirokazu Tatano: Public trust, perceived accuracy, perceived likelihood, and concern on multi-model climate projections communicated with different for-

- mats, Springer Science and Business Media LLC, 202106, Mitigation and Adaptation Strategies for Global Change, 26, 5
- Tsuyoshi Ishida, Shuich Desaki, Yoshinobu Kishimoto, Makoto Naoi, Hirokazu Fujii: Acoustic emission monitoring of hydraulic fracturing using carbon dioxide in a small-scale field experiment, Elsevier BV, 202105, International Journal of Rock Mechanics and Mining Sciences, 141, 104712, 104712
- U. Ozturk, H. Saito, Y. Matsushi, I. Crisologo, W. Schwanghart: Can global rainfall estimates (satellite and reanalysis) aid landslide hindcasting?, Springer Science and Business Media LLC, 202109, Landslides, 18, 9, 3119, 3133
- V. M. Cruz-Atienza, J. Tago, C. Villafuerte, M. Wei, R. Garza-Girón, L. A. Dominguez, V. Kostoglodov, T. Nishimura, S. I. Franco, J. Real, M. A. Santoyo, Y. Ito, E. Kazachkina: Short-term interaction between silent and devastating earthquakes in Mexico, Springer Science and Business Media LLC, 202112, Nature Communications, 12, 1
- Waqas Ahmed Raza, Ana Maria Cruz: Understanding Households' Perceptions Regarding the Effect of a Natech Accident on Residential Property Values: The Case of Ichihara City, 2021, Journal of Integrated Disaster Risk Management, 11, 1, 131, 153
- Wei Wei, Yong Yuan, Akira Igarashi, Hongping Zhu, Ping Tan: Experimental investigation and seismic fragility analysis of isolated highway bridges considering the coupled effects of pier height and elastomeric bearings, Elsevier, 20210415, Engineering Structures, 233, 111926-1, 111926-15
- Xiaohua Li, Masahiro Kurata, Yu-Hang Wang, Masayoshi Nakashima: Estimating Earthquake-Induced Displacement Responses of Building Structures Using Time-Varying Model and Limited Acceleration Data, American Society of Civil Engineers (ASCE), 202104, Journal of Structural Engineering, 147, 4, 04021014, 04021014
- Xiaolong Luo, Ana Maria Cruz, Dimitrios Tzioutzios: Climate change and temporal-spatial variation of tropical storm-related Natechs in the United States from 1990 to 2017: Is there a link?, Elsevier BV, 202108, International Journal of Disaster Risk Reduction, 62, 102366, 102366
- Xinhao He, Akira Igarashi: Efficient design parameter selection for nonlinear bearings to achieve multi-objective optimization of seismic performance of girder bridges by utilizing the stochastic structural response of equivalent linear systems, Springer, 20210810, Bulletin of Earthquake Engineering, 19, 14, 6213, 6242
- Xinhao He, Akira Igarashi: Bi-directional implementation of multiple-slider surface bearing to girder bridges: simplified 3-D modelling and seismic performance assessment, Taylor & Francis, 20210823, Structure and Infrastructure Engineering, online, 1, 24
- Xu, P.: A new look at Akaike's Bayesian information criterion for inverse ill-posed problems, 2021, Journal of the Franklin Institute, 358, 7
- Xu, P., Du, F., Shu, Y., Zhang, H., Shi, Y.: Regularized reconstruction of peak ground velocity and acceleration from very high-rate GNSS precise point positioning with applications to the 2013 Lushan Mw6.6 earthquake, 2021, Journal of Geodesy, 95, 1
- Xuanmei Fan, Anja Dufresne, Jim Whiteley, Ali P. Yunus, Srikrishnan Siva Subramanian, Chukwueloka A.U. Okeke, Tomáš Pánek, Reginald L. Hermanns, Peng Ming, Alexander Strom, Hans-Balder Havenith, Stuart Dunning, Gonghui Wang, Carlo Tacconi Stefanelli: Recent technological and methodological advances for the investigation of landslide dams, Elsevier BV, 202107, Earth-Science Reviews, 218, 103646, 103646
- Yamori, K, Goltz, J: Disasters without borders: The coronavirus pandemic, global climate change and the ascendancy of gradual onset disasters., 2021, International Journal of Environmental Research and Public Health.
- Yasunori Sawaki, Yoshihiro Ito, Kazuaki Ohta, Takuo Shibutani, Tomotaka Iwata: Seismological Structures on Bimodal Distribution of Deep Tectonic Tremor, American Geophysical Union ({AGU}), 20210428, Geophysical Research Letters, 48, 8
- Yasushi Takeuchi, Norio Maki: Considerations on the transformation of the position of Jizo in Kyoto by analyzing newspaper articles, Wiley, 2021, Japan Architectural Review, 4, 2, 368, 381
- Ying-Hsin Wu, Eiichi Nakakita, Akihiko Yamaji: Future change of snake line pattern and its relation to sediment disasters, 202112, Journal of Japan Society of Civil Engineers, Ser B1 (Hydraulic Engineering), 77, 2, I_193, I_198
- Yongsheng Yang, Hirokazu Tatano, Quanyi Huang, Ke Wang, Huan Liu: Estimating the Societal Impact of Water Infrastructure Disruptions: A Novel Model Incorporating Individuals' Activity Choices, Elsevier BV, 202108, Sustainable Cities and Society, 103290, 103290

- Yoshihisa Iio, Satoshi Matsumoto, Yusuke Yamashita, Shin'ichi Sakai, Kazuhide Tomisaka, Masayo Sawada, Takashi Iidaka, Takaya Iwasaki, Megumi Kamizono, Hiroshi Katao, Aitaro Kato, Eiji Kurashimo, Yoshiko Teguri, Hiroo Tsuda, Takashi Ueno: Stress relaxation arrested the mainshock rupture of the 2016 Central Tottori earthquake, Springer Science and Business Media LLC, 202112, Communications Earth & Environment, 2, 1
- Yoshikazu Tanaka, Kyohei Ueda, Ryosuke Uzuoka: The Characteristics of the Vegetation Distribution Related to the Slope Failure Caused by the Earthquake, Springer International Publishing, 2021, Understanding and Reducing Landslide Disaster Risk, 479, 483
- Yoshiki Ikeda, Masahiro Kurata, Jinzhe Xie, Verification of multi-degree-of-freedom building modelling for seismic response prediction based on microtremor measurement, Wiley, 20220303, Earthquake Engineering & Structural Dynamics, 51, 7, 1610, 1635
- Yu Matsubara, Katsuya Yamori: Survey on Post-Disaster Timelines Following a Large-Scale Disaster Expected to Occur in the Near Future for Pre-Disaster Recovery Planning, 20210923, Journal of Integrated Disaster Risk Management, 11, 1, 26, 45
- Yuji Itoh, Takuya Nishimura, Keli Wang, Jiangheng He: New Megathrust Locking Model for the Southern Kurile Subduction Zone Incorporating Viscoelastic Relaxation and Non-Uniform Compliance of Upper Plate, American Geophysical Union (AGU), 202105, Journal of Geophysical Research: Solid Earth, 126, 5
- Yuqing Tan, Ji Dang, Akira Igarashi, Takehiko Himeno, Yuki Hamada: A thermo-mechanical coupled model of hysteresis behavior of HDR bearings: , 20210914, 9th International Conference on Experimental Vibration Analysis for Civil Engineering Structures (EVACES 2021), 9, S7-2, 307, 319
- Yuqing Tan, Ji Dang, Akira Igarashi, Takehiko Himeno, Yuki Hamada, Yoshifumi Uno: Hybrid simulation for seismic isolation effectiveness assessment of High Damping Rubber bearing at low temperature, 20210914, 9th International Conference on Experimental Vibration Analysis for Civil Engineering Structures (EVACES 2021), 9, S7-1
- Yuriko Iwasaki, Kimihiro Mochizuki, Motoko Ishise, Erin K. Todd, Susan Y. Schwartz, Hubert Zal, Martha K. Savage, Stuart Henrys, Anne F. Sheehan, Yoshihiro Ito, Laura M. Wallace, Spahr C. Webb, Tomoaki Yamada, Masanao Shinohara: Continuous Tremor Activity With Stable Polarization Direction Following the 2014 Large Slow Slip Event in the Hikurangi Subduction Margin Offshore New Zealand, American Geophysical Union (AGU), 202202, Journal of Geophysical Research: Solid Earth, 127, 2
- Yusuke Yamashita, Masanao Shinohara, Tomoaki Yamada: Shallow tectonic tremor activities in Hyuga-nada, Nankai subduction zone, based on long-term broadband ocean bottom seismic observations, 20211025, Earth, Planets and Space, 73, 196
- Yutaro Okada, Takuya Nishimura, Takao Tabei, Takeshi Matsu-shima, Hitoshi Hirose: Development of a detection method for short-term slow slip events using GNSS data and its application to the Nankai subduction zone, SPRINGER, 202201, EARTH PLANETS AND SPACE, 74, 1
- Ziqian Wang, Fumiaki Nagashima, Hiroshi Kawase: A new empirical method for obtaining horizontal site amplification factors with soil nonlinearity, Wiley, 20210518, Earthquake Engineering & Structural Dynamics, 50, 10, 2774, 2794

特許

令和2年度、令和3年度ともに該当なし（出願日）

9.3 受賞（教職員）

令和2年度

受賞者	賞の名称	受賞年月日
井口 正人	日本火山学会論文賞	2020/08/28
井口 正人	第6回JDR 賞	2020/10/06
井口 正人	The Sixth JDR Award	2020/10/06
張 哲維	ASCE 2019 Outstanding Reviewer	2020/12/04
角 哲也	ダム工学会著作賞	2020/05/26
多々納 裕一	Sir Richard Stone Prize	2020/08
多々納 裕一	学術賞	2020/09/23
多々納 裕一	Distinguished Research Award	2020/09/23
長嶋 史明	2020 年度 日本地震工学会大会 優秀発表賞	2020/12/03
中道 治久	日本火山学会論文賞	2020/08/28
畑山 満則	令和2年度産業標準化事業表彰(経済産業省産業技術環境局長表彰)	2020/10/01
廣井 慧	IWIN2020 Best Conversant Award	2020/09
爲栗 健	日本火山学会論文賞	2020/08/28
堀 智晴	アウトスタンディング・ディスカッション賞	2020/06/04
森 信人	近畿地方整備局長表彰：海の日海事功労者（発明・考案・改良・研究の功労）	2020/07/23
森 信人	岸保・立平賞	2021/03/15
森 信人	論文賞(英文部門)	2021/03/23

令和3年度

氏名	賞名	受賞年月日
LIU Huan	The 11th Conference of the International Society for Integrated Disaster Risk Management, Bronze Prize Young Scientist Award in Young Scientists Session	2021/09/24
YAMAMOTO EvaMiaSiska	Best Presenter Award	2022/03/09
上田 恭平	地盤工学会論文賞（英文部門）	2021/06/04
上田 恭平	土木学会論文賞	2021/06/11
角 哲也	ダム工学会論文賞	2021/05/28
田中 賢治	令和3年度水文・水資源学会国際賞	2021/09/07
中野 元太	第23回災害情報学会優秀発表賞	2021/11/27
廣井 慧	IWIN2021 Best Paper Awards	2021/09/13

廣井 慧	第 17 回競基弘賞学術業績賞	2022/01/14
藤田 正治	令和 3 年度赤木賞	2022/02/16
矢守 克也	防災功労者防災担当大臣表彰	2021/09/01
山崎 友也	地震火山災害予防賞	2022/02/04