

センター利用による研究成果

—2022年度計算機利用結果報告書から—

- 【1001 情報学基礎】
1. Hidetomo Nabeshima, Tsubasa Fukiage, Yuto Obitsu, Xiao-Nan Lu, Katsumi Inoue : DPS: A Framework for Deterministic Parallel SAT Solvers : The 13th Pragmatics of SAT International Workshop, pp.1 - 15, 2022
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2. N. Tsutsumi and K. Nakai and Y. Saiki : Constructing differential equations using only a scalar time-series about continuous time chaotic dynamics : Chaos, Vol.32, pp.091101 -, 2022
- 【4305 原子・分子・量子エレクトロニクス・プラズマ】
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- 【4306 生物物理・化学物理】
4. Aya Okuda, Masahiro Shimizu, Rintaro Inoue, Reiko Urade, Masaaki Sugiyama : Efficient Multiple Domain Ligation for Proteins using Asparaginyl Endopeptidase by Selection of Appropriate Ligation Sites Based on Steric Hindrance : Angewandte Chemie - International Edition, Vol.62, No.1, pp.e202214412 -, 2022
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- 【4403 超高層物理学】
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8. Chihiro Tabata, Hirohito Watanabe, Kenji Shirasaki, Ayaki Sunaga, Takamitsu Fukuda, Dexin Li, Tomoo Yamamura : Crystallographic and/or magnetic properties of neutral and cationic uranium(IV) sandwiched phthalocyanine complexes : Journal of Molecular Structure, Vol.1277, pp.134870 -, 2023
 9. Kenneth G. Dyall, Paweł Tecmer, Ayaki Sunaga : Diffuse Basis Functions for Relativistic s and d Block Gaussian Basis Sets : Journal of Chemical Theory and Computation, Vol.19, No.1, pp.198 - 210, 2023
 10. Ayaki Sunaga, Chihiro Tabata, Tomoo Yamamura : Linearity and Chemical Bond of UO₂(2+) Revisited: A Comparison Study with UN₂ and UE₂(2+) (E = S, Se, and Te) Based on Relativistic Calculations : The Journal of Physical Chemistry A, Vol.126, No.46, pp.8606

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11. Ayaki Sunaga, Maen Salman, Trond Saue : 4 component relativistic Hamiltonian with effective QED potentials for molecular calculations : The Journal of Chemical Physics, Vol.157, No.16, pp.164101 -, 2022
- 【5001 機械材料・材料力学】
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13. M. Nishikawa, R. Shinohara, A. Ito, N. Matsuda and M. Hojo : Multiphysics Modeling for CFRP Flammability Using FDS-FEM : US-Japan and Euro-Japan Joint Conference on Composite Materials (口頭発表) , 2022
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- 【5201 土木材料・施工・建設マネジメント】
32. 小沢拓弥, 田中良樹, 古賀裕久, 上仙靖 : 道路橋 コンクリート床版の上面補修界面における開口挙動: *コンクリート工学年次論文集*, Vol.44, No.2, pp.295 - 300, 2022
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