



**INDEX**

# NAME INDEX

|                                   |            |    |                         |            |                      |            |
|-----------------------------------|------------|----|-------------------------|------------|----------------------|------------|
|                                   | <b>[A]</b> |    |                         |            |                      |            |
| ABE, Reiji                        |            | 8  | FUTAKI, Shiroh          | 20         | IMAI, Hiroki         | 14         |
| ABO, Masahiro                     |            | 26 |                         | <b>[G]</b> | IMAI, Makiko         | 50         |
| ADACHI, Yuta                      |            | 40 | GALBIATI, Massimo       | 24         | IMANISHI, Miki       | 20, 83     |
| AKAGI, Shikoh                     |            | 12 | GARCIA MARTIN, Susana   | 78         | IMAO, Keisuke        | 20         |
| AKUTSU, Tatsuya                   |            | 60 | GHAFOOR, Mamoon         | 60         | IMURA, Naohiro       | 22         |
| AOKI, Satoshi                     |            | 50 | GO, Touran              | 50         | INOUE, Hiromu        | 34         |
| AOKI, Takamasa                    |            | 4  | GONG, Chunjie           | 58         | ISERI, Kenta         | 50         |
| AOYAMA, Takashi                   |            | 24 | GOTO, Haruki            | 12         | ISHIDA, Koichiro     | 12         |
| ARAKAWA, Masato                   |            | 36 | GOTO, Masato            | 52         | ISHIHARA, Kuraudo    | 28         |
| ARAKI, Taisuke                    | 32, 90     |    | GOTO, Yamato            | 8          | ISOBE, Hiroyuki      | 78         |
| ASAMI, Yuri                       |            | 20 | GU, Jiajian             | 6          | ISODA, Kumiko        | 36         |
| AVENA, Ramon Francisco Bernardino |            | 50 |                         | <b>[H]</b> | ISODA, Yosuke        | 52         |
|                                   |            |    | HAGHIR, Shahrzad        | 24         | ISOZAKI, Katsuhiko   | 50         |
|                                   | <b>[B]</b> |    | HAMADA, Kouki           | 14         | ITO, Mayuri          | 52         |
| BABA, Nozomi                      |            | 20 | HAMAMOTO, Hiroki        | 36         | ITOH, Tomoya         | 18         |
| BAN, Hiroki                       |            | 58 | HAN, Mingjing           | 60         | IWAKI, Takuma        | 60         |
| BANDO, Shunsuke                   |            | 36 | HARAMATSU, Megumi       | 40         | IWASAKI, Yasuko      | 40         |
|                                   | <b>[C]</b> |    | HARATA, Fuyuki          | 40, 91     | IWASE, Misato        | 30         |
| CAI, Pinghe                       |            | 30 | HARIKI, Nene            | 16, 90     | IWASHIMIZU, Chisaki  | 91         |
| CHAN, Cheuk-Yin                   |            | 30 | HARUTA, Mitsutaka       | 46         | IWATA, Takahiro      | 20         |
| CHAOLUMEN                         |            | 6  | HASEGAWA, Akio          | 40, 91     | IZU, Hitoshi         | 54         |
| CHEN, Chen                        |            | 52 | HASEGAWA, Takeshi       | 32, 85     |                      | <b>[J]</b> |
| CHEN, Chien-Yu                    |            | 40 | HASHIDA, Masaki         | 44         | JANG, Heechan        | 18         |
| CHEN, Jingjie                     |            | 58 | HASHIKAWA, Yoshifumi    | 6          | JAYAKUMAR, Sanjeevi  | 54         |
| CHEN, Litian                      |            | 50 | HASHIMOTO, Ruito        | 40         | JIANG, Yue           | 22         |
| CHEN, Tze-Shin                    |            | 60 | HAYASHI, Daiju          | 18, 90     | JIANG, Yuhuan        | 14, 89     |
| CHIGA, Yuki                       |            | 10 | HELMS, Melanie          | 26         | JIANG, Zhiqian       | 62         |
| CHO, Kenichi                      | 56, 87     |    | HERBSCHLEB, Ernst David | 16, 82     | JIN, Shuyu           | 26         |
| CUI, Yan                          |            | 60 | HIGAKI, Tatsuya         | 54         | JIN, Yirou           | 10         |
|                                   | <b>[D]</b> |    | HIGASHIMURA, Chika      | 56         | JO, Yoshiyuki        | 46         |
| DAIKOKU, Yusuke                   | 56, 88     |    | HIKIDA, Hiroyuki        | 58         |                      | <b>[K]</b> |
| DOBA, Takahiro                    | 50, 86     |    | HINGAMP, Pascal Michel  | 58         | KAJI, Hironori       | 28         |
|                                   | <b>[E]</b> |    | HIRA, Shota             | 40, 86, 91 | KAKIMOTO, Ryochi     | 30         |
| ENDO, Hisashi                     | 58, 88     |    | HIRANO, Toshiko         | 4          | KAMEDA, Monami       | 12         |
|                                   | <b>[F]</b> |    | HIRORI, Hideki          | 56         | KAMIYAMA, Naoya      | 16         |
| FANG, Yue                         | 58         |    | HIROSE, Hisaaki         | 20         | KAN, Daisuke         | 52         |
| FARRAG, Asmaa Mostafa Abdelbari   |            |    | HIROSE, Takashi         | 6          | KANAI, Tsuneto       | 44         |
| Soliman                           | 26, 90     |    | HISATOMI, Ryusuke       | 18         | KANEHISA, Minoru     | 78, 82     |
| FU, Jincheng                      | 14         |    | HO, Yi-Ning             | 30         | KANEMITSU, Yoshihiko | 56, 87     |
| FUJI, Souta                       | 52         |    | HONDA, Naoki            | 58         | KARITANI, Shu        | 36         |
| FUJIHASHI, Akiko                  | 14         |    | HOSHI, Yutaro           | 54         | KARUBE, Shutaro      | 18, 83     |
| FUJII, Tomomi                     | 48         |    | HOSOMI, Yu              | 36         | KASAHARA, Chisato    | 20         |
| FUJIMOTO, Seitarou                | 12         |    | HOSOYA, Tomoki          | 12         | KASAHARA, Shoma      | 4          |
| FUJINAKA, Masatoshi               | 28         |    | HSIEH, Chih-Chiang      | 30         | KATO, Itsuki         | 54         |
| FUJISAKI, Yoshie                  | 54         |    | HSU, Zi-Chu             | 60         | KATO, Mariko         | 24         |
| FUJITA, Satoki                    | 60         |    | HU, Weizhe              | 6, 89      | KAWABATA, Kazuhiro   | 28         |
| FUJIWARA, Masanori                | 16         |    | HUANG, Guanglin         | 6          | KAWAGUCHI, Yoshimasa | 20         |
| FUKUMOTO, Koto                    | 50         |    |                         | <b>[I]</b> | KAWAMOTO, Jun        | 34         |
| FUKUSHIMA, Shohei                 | 28         |    | ICHIKAWA, Noriya        | 52         | KAWARAZAKI, Ryo      | 18         |
| FUNADA, Shinsaku                  | 83         |    | IDA, Naka               | 20         | KAWASE, Riku         | 16, 89     |
|                                   |            |    | IIHOSHI, Makoto         | 52         | KAWASHIMA, Hiroyuki  | 16         |
|                                   |            |    | IJIMA, Ryo              | 18         | KAYAHARA, Eiichi     | 14         |
|                                   |            |    | IMADA, Hiroshi          | 78         | KIHARA, Ayako        | 50         |
|                                   |            |    |                         |            | KIKKAWA, Ayumi       | 20         |

|                     |            |                       |        |                      |            |
|---------------------|------------|-----------------------|--------|----------------------|------------|
| KIKUYA, Saki        | 58         | MIZUHATA, Yoshiyuki   | 4      | OKA, Takayuki        | 32         |
| KIM, Hyosuk         | 26         | MIZUOCHI, Norikazu    | 16     | OKAHARA, Ryota       | 14         |
| KIMURA, Seigo       | 20         | MORI, Taizo           | 32     | OKAJIMA, Kazuki      | 16         |
| KINOSE, Yuji        | 12         | MORI, Tomoya          | 60     | OKAZAKI, Daiki       | 44         |
| KISHIDA, Naoto      | 8          | MORIKI, Yoshihito     | 12     | OKAZAKI, Yusuke      | 58         |
| KISHIDA, Takaki     | 12         | MORIMOTO, Ryuji       | 36     | OKUDA, Shiho         | 58         |
| KITAGAWA, Yoshifumi | 38         | MORIMOTO, Syunji      | 46     | OKUMURA, Kazuki      | 28         |
| KITAYAMA, Kaori     | 34         | MORIOKA, Naoya        | 16     | OKUMURA, Ryosuke     | 28         |
| KIYOKAWA, Megumi    | 20         | MORITA, Kouki         | 16     | ONO, Teruo           | 18         |
| KIYOMURA, Tsutomu   | 46, 86     | MU, Lixuan            | 60     | ONOE, Renon          | 28         |
| KOBAYASHI, Yuta     | 18         | MURAKAMI, Kimiya      | 28     | OOI, Takashi         | 78         |
| KOMIYAMA, Haruka    | 18         | MURAKAMI, Masanao     | 44     | OTA, Kenji           | 8          |
| KONDO, Kazuo        | 16         | MURAKAMI, Sho         | 8      | OTAGIRI, Yuan        | 62         |
| KUBO, Haruki        | 36         | MURATA, Yasujiro      | 6      | OTONARI, Kenko       | 20, 84     |
| KUGE, Kyota         | 10         | MURDEY, Richard       | 40     | OYA, Ryoto           | 8          |
| KURIHARA, Tatsuo    | 34         | MUTO, Mitsuki         | 10     |                      |            |
| KURIYAMA, Masashi   | 20, 83, 90 |                       |        | <b>[P]</b>           |            |
| KUROSE, Noriko      | 32         | <b>[N]</b>            |        | PERRON, Amelie       | 26         |
| KUSAKABE, Yu        | 28         | NAGAO, Kazunori       | 8, 82  | PETSCHNER, Peter     | 62         |
| KWON, Youngdon      | 38         | NAGASAKA, Koumei      | 58     | PIAO, Canguo         | 26         |
|                     |            | NAGASHIMA, Chihiro    | 14     | PINCELLA, Francesca  | 50         |
| <b>[L]</b>          |            | NAKAGAWA, Hiromu      | 54     |                      |            |
| LATOS, Krystian     | 26         | NAKAGAWA, Kotaro      | 56, 87 | <b>[Q]</b>           |            |
| LEE, Hyunji         | 10         | NAKAGAWA, Masanari    | 8      | QIN, Hongwei         | 58         |
| LI, Heqin           | 22         | NAKAGAWA, Yuka        | 50     |                      |            |
| LI, Ruiming         | 60         | NAKAGAWA, Yuna        | 20, 84 | <b>[R]</b>           |            |
| LI, Wei             | 60         | NAKAJIMA, Yuuki       | 28     | REN, Yongxia         | 28         |
| LI, Yanbang         | 14         | NAKAMURA, Masaharu    | 50     | REN, Zhe             | 4          |
| LI, Yufei           | 62         | NAKAMURA, Masaya      | 16     | RUBIO, Vicente       | 24         |
| LIM, KyungKon       | 38         | NAKAMURA, Rikako      | 8      |                      |            |
| LIN, I-Ching        | 46         | NAKAMURA, Tomoya      | 40, 85 | <b>[S]</b>           |            |
| LIU, Chunting       | 60         | NAKAMURA, Yuki        | 50     | SAITO, Ryohei        | 50         |
| LIU, Wenwen         | 58         | NAKANISHI, Yohei      | 36     | SAKAGUCHI, Himari    | 10         |
| LIU, Zhibo          | 6          | NAKASHIMA, Shogo      | 60     | SAKAMOTO, Chihiro    | 40         |
| LU, Siming          | 50         | NARITA, Hideki        | 18, 83 | SAKAMOTO, Daiki      | 34         |
|                     |            | NATSUME, Yayoi        | 78     | SAKAMOTO, Masanori   | 10         |
| <b>[M]</b>          |            | NECHES, Russell Young | 58     | SAKAMOTO, Minoru     | 87         |
| MA, Yier            | 60         | NEMOTO, Masaya        | 16     | SAKO, Nobuaki        | 32         |
| MAEDA, Yusei        | 42         | NEMOTO, Takashi       | 46     | SAMEERA, W. M. C.    | 78         |
| MAENO, Ayaka        | 28         | NGUYEN, Anh Duc       | 62     | SARUYAMA, Masaki     | 10, 82     |
| MAMITSUKA, Hiroshi  | 62         | NGUYEN, Hao Canh      | 62     | SASAKI, Hiroto       | 58         |
| MANDOKORO, Tetsuma  | 18         | NGUYEN, Thi Tuyen     | 58     | SATO, Hinata         | 8          |
| MARU, Kousuke       | 14         | NISHIJIMA, Hiroto     | 20     | SATO, Hiroki         | 28, 85, 90 |
| MARUYAMA, Kei       | 56         | NISHIKAWA, Tetsuri    | 16     | SATO, Ryota          | 10         |
| MASHIGUCHI, Kiyoshi | 22         | NISHINO, Ryohei       | 4      | SATO, Shinichi       | 26         |
| MATSUKAWA, Kimihiro | 12         | NOMURA, Yuki          | 36     | SATO, Shinya         | 46         |
| MATSUMIYA, Yumi     | 38         |                       |        | SATO, Takeshi        | 38         |
| MATSUMOTO, Kenshi   | 10         | <b>[O]</b>            |        | SATO, Takuya         | 58         |
| MATSUMURA, Hiroyuki | 50         | OBATA, Keito          | 20     | SATO, Yukiya         | 8          |
| MATSUO, Kyohei      | 4          | ODOI, Miku            | 24     | SEIKE, Yuki          | 12         |
| MATSUO, Tomotoki    | 8          | OGATA, Hiroyuki       | 58     | SEKIGUCHI, Fumiya    | 56, 87     |
| MATSUOKA, Kohei     | 30         | OGATA, Yuki           | 58     | SEKO, Tamio          | 36         |
| MATSUOKA, Yuto      | 54, 91     | OGAWA, Hiroki         | 36     | SEO, Haruna          | 12         |
| MATSUSHIGE, Yuko    | 40         | OGAWA, Hiroyuki       | 40     | SHARKER, Komol Kanta | 14         |
| MATSUTO, Naoki      | 38         | OGAWA, Takuya         | 34     | SHEN, Yufan          | 52         |
| MENG, Lingjie       | 58, 88     | OGAWA, Tetsuya        | 46     | SHIBATA, Ryosuke     | 22         |
| MICHIBATA, Junya    | 20, 84     | OGAWARA, Ryo          | 42     | SHIBUTANI, Shotaro   | 8          |
| MINEO, Keito        | 50, 86     | OHASHI, Noboru        | 40     | SHIGEMATSU, Ei       | 16         |
| MITSUI, Atsuhisa    | 8          | OHKI, Izuru           | 16     | SHIKAMI, Satoshi     | 50         |
| MIYAKE, Yuki        | 40         | OHKI, Yasuhiro        | 54, 87 | SHIMABUKURO, Wataru  | 36         |
| MIYAMOTO, Yusuke    | 8          | OHMIYA, Hirohisa      | 8      | SHIMAKAWA, Yuichi    | 52, 86     |
| MIYAZAKI, Kazuya    | 4          | OHORI, Masanao        | 16     | SHIMAZAKI, Ai        | 40         |
| MIYOSHI, Nanami     | 14         | OHTOMO, Masahiro      | 60     | SHIMONO, Hiroki      | 8          |

|                      |            |                      |        |                   |        |
|----------------------|------------|----------------------|--------|-------------------|--------|
| SHIMOYAMA, Sayaka    | 54         | TORIGOE, Yuga        | 14     | YOSHIDA, Riki     | 34     |
| SHIMURA, Reo         | 6          | TOSAKA, Masatoshi    | 14     | YOSHIDA, Satoru   | 42     |
| SHINYA, Hikari       | 78         | TOSAKI, Tomohiro     | 38     | YOSHIE, Shunsuke  | 20     |
| SHIODA, Yudai        | 34         | TOUSSAINT, François  | 14     | YOSHIGAI, Toshiya | 12     |
| SHIOTA, Koji         | 60         | TRAN, Chi Mai        | 26     | YOSHINO, Syunki   | 36     |
| SHIOTA, Yoichi       | 18         | TRUONG, Minh Anh     | 40, 86 | YOUN, Jae Hyung   | 34     |
| SHIOYA, Nobutaka     | 32         | TSENG, Chih-Hsiang   | 18     | YU, Zhaoxi        | 58     |
| SHIRAISHI, Harunori  | 36         | TSERENDAGVA, Manchir | 26     | YUMOTO, Go        | 56, 87 |
| SHIZU, Katsuyuki     | 28         | TSUDZUKI, Taiku      | 34     | YUNOKI, Keisuke   | 30     |
| SINGH, Vaibhav Pal   | 26         | TSUGE, Tomohiko      | 24     |                   |        |
| SO, Frederick Tzekit | 16         | TSUJI, Ryuki         | 40     |                   |        |
| SODEOKA, Mikiko      | 78         | TSUJI, Shingo        | 4      | [Z]               |        |
| SOHRIN, Yoshiki      | 30         | TSUJII, Yoshinobu    | 12     | ZHANG, Hao        | 50     |
| SUGI, Koki           | 18         | TSUKADA, Kyo         | 42     | ZHANG, Liwen      | 58     |
| SUGIMOTO, Emi        | 32, 91     | TUNG, Cheng-Yu       | 60     | ZHANG, Ruixuan    | 58     |
| SUGIURA, Itaru       | 18         |                      |        | ZHANG, Yixin      | 26     |
| SUN, Liangjie        | 60         | [U]                  |        | ZHANG, Zheng      | 6      |
| SUNAMI, Kohei        | 54         | UCHIDA, Daichi       | 4      | ZHANG, Zhenya     | 56, 87 |
| SUWANAWAT, Nittikarn | 34         | UEDA, Kyosuke        | 50     | ZHAO, Hongda      | 58     |
| SUZUKI, Hiroshi      | 46         | UEHATA, Yusuke       | 20     | ZHAO, Jiaying     | 60     |
| SUZUKI, Katsuaki     | 28         | UEKI, Ryuta          | 30     | ZHENG, Linjie     | 30, 85 |
| SUZUKI, Shinjiro     | 4          | UENO, So             | 4      | ZHONG, Yezhao     | 60     |
|                      |            | UESUGI, Motonari     | 26     | ZHU, Lingkai      | 10, 82 |
|                      |            |                      |        | ZHU, Mengshan     | 34, 85 |
| [T]                  |            | [W]                  |        |                   |        |
| TACHIBANA, Mariko    | 42         | WAKAMIYA, Atsushi    | 40     |                   |        |
| TAGA, Kotaro         | 18, 83     | WAKASUGI, Masanori   | 42     |                   |        |
| TAHARA, Hirokazu     | 66         | WAN, Linbo           | 40     |                   |        |
| TAKAGI, Motoshige    | 60         | WANG, Yutang         | 4, 89  |                   |        |
| TAKAHASHI, Hiroyuki  | 18         | WATANABE, Koh        | 8      |                   |        |
| TAKAHATA, Ryo        | 10         | WATANABE, Rei        | 52     |                   |        |
| TAKANO, Shotaro      | 30, 85     | WATANABE, Rin        | 54     |                   |        |
| TAKARAKO, Masataka   | 50         | WATANABE, Yuya       | 22     |                   |        |
| TAKEKAWA, Yunosuke   | 8          | WU, Beiling          | 50     |                   |        |
| TAKEKUMA, Haruka     | 10         | WU, Chenyao          | 60     |                   |        |
| TAKEMOTO, Misao      | 26         | WU, Jia-De           | 14     |                   |        |
| TAKEMOTO, Yasushi    | 26         | WU, Junyi            | 58     |                   |        |
| TAKENAKA, Mikihito   | 36         |                      |        |                   |        |
| TAKEUCHI, Kosuke     | 20         | [X]                  |        |                   |        |
| TAKEUCHI, Soshi      | 50         | XIA, Jun             | 58     |                   |        |
| TAMAMOTO, Ken        | 12, 89     | XIA, Yan             | 10     |                   |        |
| TAMAO, Kohei         | 82         | XIE, Lingling        | 52     |                   |        |
| TAMURA, Takeyuki     | 60         | XIE, Xuanhao         | 14     |                   |        |
| TAMURA, Yukiko       | 36         |                      |        |                   |        |
| TAN, Tiancheng       | 40         | [Y]                  |        |                   |        |
| TANAKA, Hiroyuki     | 28         | YAMADA, Hiroko       | 4      |                   |        |
| TANAKA, Kamui        | 20         | YAMADA, Takumi       | 56     |                   |        |
| TANAKA, Kanata       | 54         | YAMAGISHI, Yuki      | 58     |                   |        |
| TANAKA, Keiji        | 78         | YAMAGO, Shigeru      | 14     |                   |        |
| TANG, Wei            | 58         | YAMAGUCHI, Shinjiro  | 22     |                   |        |
| TANIFUJI, Kazuki     | 54         | YAMAMOTO, Ayumu      | 38     |                   |        |
| TERADA, Sakahiro     | 20         | YAMASAKI, Daisuke    | 20     |                   |        |
| TERANISHI, Kento     | 4          | YAMAUCHI, Mitsuki    | 4      |                   |        |
| TERANISHI, Toshiharu | 10         | YAMIN, Naila         | 14     |                   |        |
| TIAN, Wu             | 10         | YANADA, Mizuho       | 12     |                   |        |
| TOBITA, Naoto        | 36         | YANG, Qingwei        | 58     |                   |        |
| TOGISHI, Kanata      | 8          | YANG, Yi             | 4      |                   |        |
| TOH, Kohei           | 26, 84, 90 | YANG, Yuanzheng      | 34     |                   |        |
| TOKITA, Shigeki      | 44, 86     | YASUDA, Yuka         | 28     |                   |        |
| TOKITOH, Norihiro    | 78, 82     | YASUHARA, Ryo        | 78     |                   |        |
| TOKORO, Fugo         | 18         | YASUI, Kentaro       | 46     |                   |        |
| TONG, Tianxiang      | 14         | YE, Feifan           | 18     |                   |        |
| TONGU, Hiromu        | 42         | YIN, Haozhi          | 50     |                   |        |
| TONOMURA, Asuka      | 8          |                      |        |                   |        |

# KEYWORD INDEX

|                                     |        |                                  |        |                                 |        |
|-------------------------------------|--------|----------------------------------|--------|---------------------------------|--------|
| <b>[A]</b>                          |        | <b>[H]</b>                       |        | Perfluoroalkyl Compounds        | 32     |
| Accelerator Physics                 | 42     | HAADF                            | 46     | Perovskite Solar Cells          | 40     |
| Amorphous Materials                 | 28     | Helical Structures               | 6      | Perovskites                     | 56     |
| Analytical Chemistry                | 30     | Heterointerface                  | 52     | Phospholipid Acyltransferase    | 34     |
| Aromatic Compound                   | 4      | Hierarchical Structure           | 36     | Phospholipid Signaling          | 24     |
| Artificial Intelligence             | 62     | High Harmonic Generation         | 56     | Photocatalysts                  | 10     |
|                                     |        | High Power Laser Optics          | 44     | Photoredox Catalysis            | 8      |
| <b>[B]</b>                          |        | High Pressure Synthesis          | 52     | Plant Hormone                   | 22     |
| Bacterial Cold-Adaptation Mechanism | 34     | Homogeneous Catalysis            | 54     | Plasmonics                      | 10     |
| Beam Physics                        | 42     | Hybrid Materials                 | 12     | pMAIRS and MAIRS2               | 32     |
| Bioinformatics                      | 58, 62 |                                  |        | Polymer Brush                   | 12     |
| Bioinorganic Chemistry              | 54     | <b>[I]</b>                       |        | Polymer Physics                 | 36     |
| Biosynthesis                        | 22     | Immunology                       | 26     | Polymer Properties              | 14, 36 |
| Boolean Networks                    | 60     | Infrared and Raman Spectroscopy  | 32     | Polymer Synthesis               | 14     |
| Boron Molecule                      | 8      | Inorganic Nanomaterials          | 10     | Polyunsaturated Fatty Acid      | 34     |
|                                     |        | Intracellular Delivery           | 20     | Precision Polymerization        | 12     |
| <b>[C]</b>                          |        | Iron Catalysis                   | 50     | Protein Crystallography         | 48     |
| Channeling                          | 46     |                                  |        | Protein Informatics             | 60     |
| Chemical Biology                    | 26     | <b>[L]</b>                       |        |                                 |        |
| Chemical Genetics                   | 26     | Laser Isotope Separation         | 44     | <b>[Q]</b>                      |        |
| Chemical Graphs                     | 60     | Laser Nano-Ablation Physics      | 44     | Quantum Chemical Calculation    | 28     |
| Chemical Library                    | 26     | Laser-Plasma Interaction Physics | 44     | Quantum Dots                    | 10, 56 |
| Complex Networks                    | 60     | Living Radical Polymerization    | 12, 14 | Quantum Information Science     | 16     |
| $\pi$ -Conjugated Systems           | 6      |                                  |        | Quantum Materials               | 16     |
| COP9 Signalingosome                 | 24     | <b>[M]</b>                       |        | Quantum Sensing                 | 16     |
| Crystal                             | 48     | Machine Learning                 | 62     |                                 |        |
| Curved $\pi$ -Conjugated Molecules  | 14     | Magnetic Materials               | 18     | <b>[R]</b>                      |        |
| Cytochrome P450                     | 22     | Magnetism                        | 18     | Radical Reaction                | 8      |
|                                     |        | Main Group Element               | 4      | Radical Species                 | 6      |
| <b>[D]</b>                          |        | Marine Chemistry                 | 30     | Reactive Intermediate           | 4      |
| Data Mining                         | 62     | Membrane Curvature               | 20     | Receptor                        | 22     |
| Diamond                             | 16     | Membrane-Permeable Peptides      | 20     | Rheology                        | 38     |
| Dielectric Spectroscopy             | 38     | Mesoscopic Model                 | 38     |                                 |        |
| DNA/RNA Binding Protein             | 20     | Metal Ion Recognition            | 30     | <b>[S]</b>                      |        |
| Dynamic Nuclear Polarization        |        | Molecular Aggregation            | 40     | Self Assembly                   | 36     |
| Enhanced NMR                        | 28     | Molecular Design and Synthesis   | 40     | Self-Assembly                   | 4, 26  |
|                                     |        | Molecular Evolution              | 58     | Semiconductors                  | 40     |
| <b>[E]</b>                          |        | Morphogenesis                    | 24     | Signal Transduction             | 24     |
| EELS                                | 46     | mRNA Processing                  | 24     | Single Photon Spectroscopy      | 56     |
| Electron Linac                      | 42     |                                  |        | Soft Matter                     | 38     |
| Elemental Mapping                   | 46     | <b>[N]</b>                       |        | Softmatter                      | 36     |
| Endohedral Fullerenes               | 6      | Neural Networks                  | 60     | Solid State Chemistry           | 52     |
| Environmental Genomics              | 58     | Nitrogen Fixation                | 54     | Solid-State NMR                 | 28     |
| Epitaxial Thin Film Growth          | 52     | NV Center                        | 16     | Spintronics                     | 18     |
| Extracellular Membrane Vesicle      | 34     |                                  |        | Stable Isotopes                 | 30     |
| Extremophiles                       | 34     | <b>[O]</b>                       |        | STEM                            | 46     |
|                                     |        | Organic Light-Emitting Diodes    | 28     | Storage Ring                    | 42     |
| <b>[F]</b>                          |        | Organic Semiconductor            | 4      | Strigolactone                   | 22     |
| Femtosecond Laser Spectroscopy      | 56     | Organic Semiconductors           | 32     | Structural Biology              | 48     |
| Functional Materials                | 6, 40  | Organic Synthesis                | 14     | Structure and Function          | 48     |
| Functional Metal Oxides             | 52     | Organocatalysis                  | 8      | Supramolecular & Superatomic    |        |
|                                     |        | Organotransformation             | 50     | Catalysis                       | 50     |
| <b>[G]</b>                          |        | Oxidation Reduction Reactions    | 10     | Surface and Interface Chemistry | 32     |
| GenomeNet                           | 58     |                                  |        | Synthetic Reactions             | 8      |
|                                     |        | <b>[P]</b>                       |        | Systems Biology                 | 62     |
|                                     |        | Peptide Design                   | 20     |                                 |        |

|                                 |    |
|---------------------------------|----|
| <b>[T]</b>                      |    |
| Trace Elements                  | 30 |
| Transition Metal Clusters       | 54 |
| Tribology                       | 12 |
| <b>[U]</b>                      |    |
| Ultrafast Laser Physics         | 44 |
| Unstable Nuclear Physics        | 42 |
| <b>[V]</b>                      |    |
| Virology                        | 58 |
| <b>[W]</b>                      |    |
| Woody Molecular Transformation  | 50 |
| <b>[X]</b>                      |    |
| X-ray Crystallographic Analysis | 48 |