## 表 3全球工程学领域发表最多高被引论文的前20种期刊

| Full Journal Title | ISSN | 2013 JIF | 5-Year Impact Factor | Imme-diacy Index | web of science categories | quartile ranking | Highly Cited Papers |
| --- | --- | --- | --- | --- | --- | --- | --- |
| APPLIED ENERGY | 0306-2619 | 5.261 | 5.597 | 1.231 | ENERGY & FUELSENGINEERING, CHEMICAL | Q1Q1 | 231 |
| AUTOMATICA | 1385-8947 | 3.132 | 4.423 | 0.392 | ENGINEERING, CHEMICALENGINEERING, ENVIRONMENTAL | Q1Q1 | 138 |
| CHEMICAL ENGINEERING JOURNAL | 1385-8947 | 4.058 | 4.181 | 0.654 | ENGINEERING, CHEMICALENGINEERING, ENVIRONMENTAL | Q1Q1 | 275 |
| ENERGY | 0360-5442 | 4.159 | 4.465 | 0.645 | ENERGY & FUELSTHERMODYNAMICS | Q1Q1 | 165 |
| ENERGY & FUELS | 0887-0624 | 2.733 | 3.236 | 0.425 | ENERGY & FUELSENGINEERING, CHEMICAL | Q2Q1 | 164 |
| FUEL | 0016-2361 | 3.406 | 4.186 | 0.761 | ENERGY & FUELSENGINEERING, CHEMICAL | Q2Q1 | 199 |
| INTERNATIONAL JOURNAL OF HYDROGEN ENERGY | 0360-3199 | 2.93 | 3.448 | 0.458 | CHEMISTRY, PHYSICALELECTROCHEMISTRYENERGY & FUELS | Q2Q2Q2 | 359 |
| JOURNAL OF HAZARDOUS MATERIALS | 0304-3894 | 4.331 | 5.123 | 0.525 | ENGINEERING, CIVILENGINEERING, ENVIRONMENTALENVIRONMENTAL SCIENCES | Q1Q1Q1 | 648 |
| JOURNAL OF HYDROLOGY | 0022-1694 | 2.693 | 3.678 | 0.455 | ENGINEERING, CIVILGEOSCIENCES, MULTIDISCIPLINARYWATER RESOURCES | Q1Q1Q1 | 133 |
| JOURNAL OF POWER SOURCES | 0378-7753 | 5.211 | 5.257 | 1.198 | ELECTROCHEMISTRYENERGY & FUELS | Q1Q1 | 967 |
| IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS | 0278-0046 | 6.5 | 6.515 | 1.441 | AUTOMATION & CONTROL SYSTEMSENGINEERING, ELECTRICAL & ELECTRONICINSTRUMENTS & INSTRUMENTATION | Q1Q1Q1 | 164 |
| IEEE TRANSACTIONS ON PATTERN ANALYSIS AND MACHINE INTELLIGENCE | 0162-8828 | 5.694 | 7.015 | 0.659 | COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCEENGINEERING, ELECTRICAL & ELECTRONIC | Q1Q1 | 142 |
| IEEE TRANSACTIONS ON AUTOMATIC CONTROL | 0018-9286 | 3.167 | 3.971 | 0.618 | AUTOMATION & CONTROL SYSTEMSENGINEERING, ELECTRICAL & ELECTRONIC | Q1Q1 | 128 |
| ENERGY CONVERSION AND MANAGEMENT | 0196-8904 | 3.59 | 3.604 | 0.845 | ENERGY & FUELSMECHANICSPHYSICS, NUCLEARTHERMODYNAMICS | Q1Q1Q1Q1 | 116 |
| PROCEEDINGS OF THE IEEE | 0018-9219  | 5.466 | 7.617 | 0.558 | ENGINEERING, ELECTRICAL & ELECTRONIC  | Q1 | 113 |
| IEEE TRANSACTIONS ON SIGNAL PROCESSING | 1053-587X | 3.198 | 3.592 | 0.439 | ENGINEERING, ELECTRICAL & ELECTRONIC  | Q1 | 100 |
| INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER | 0017-9310 | 2.522 | 2.868 | 0.455 | ENGINEERING, MECHANICAL MECHANICSTHERMODYNAMICS | Q1Q1Q1 | 100 |
| IEEE TRANSACTIONS ON IMAGE PROCESSING | 1057-7149 | 3.111 | 3.925 | 0.351 | COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCEENGINEERING, ELECTRICAL & ELECTRONIC | Q1Q1 | 97 |
| IEEE ELECTRON DEVICE LETTERS | 0741-3106 | 3.023 | 2.816 | 0.642 | ENGINEERING, ELECTRICAL & ELECTRONIC  | Q1 | 96 |
| PROGRESS IN ENERGY AND COMBUSTION SCIENCE | 0360-1285 | 16.909 | 20.32 | 2.300 | ENERGY & FUELSENGINEERING, CHEMICALENGINEERING, MECHANICAL THERMODYNAMICS | Q1Q1Q1Q1 | 95 |

## 表 4全球工程学领域发表中国作者论文最多的前20种期刊

| Full Journal Title | ISSN | 2013 JIF | 5-Year Impact Factor | Immediacy Index | web of science categories | quartile ranking |
| --- | --- | --- | --- | --- | --- | --- |
| JOURNAL OF HAZARDOUS MATERIALS | 0304-3894 | 4.331 | 5.123 | 0.525 | ENGINEERING, CIVILENGINEERING, ENVIRONMENTALENVIRONMENTAL SCIENCES | Q1Q1Q1 |
| JOURNAL OF POWER SOURCES | 0378-7753 | 5.211 | 5.257 | 1.198 | ELECTROCHEMISTRYENERGY & FUELS | Q1Q1 |
| INTERNATIONAL JOURNAL OF HYDROGEN ENERGY | 0360-3199 | 2.93 | 3.448 | 0.458 | CHEMISTRY, PHYSICALELECTROCHEMISTRYENERGY & FUELS | Q2Q2Q2 |
| MICROWAVE AND OPTICAL TECHNOLOGY LETTERS | 0895-2477 | 0.623 | 0.542 | 0.16 | ENGINEERING, ELECTRICAL & ELECTRONICOPTICS | Q4Q4 |
| CHEMICAL ENGINEERING JOURNAL | 1385-8947 | 4.058 | 4.181 | 0.654 | ENGINEERING, CHEMICALENGINEERING, ENVIRONMENTAL | Q1Q1 |
| MATHEMATICAL PROBLEMS IN ENGINEERING | 1024-123X | 1.082 | 1.077 | 0.242 | ENGINEERING, MULTIDISCIPLINARYMATHEMATICS, INTERDISCIPLINARY APPLICATIONS | Q2Q2 |
| ELECTRONICS LETTERS | 0013-5194 | 1.068 | 1.03 | 0.15 | ENGINEERING, ELECTRICAL & ELECTRONIC | Q3 |
| SCIENCE CHINA-TECHNOLOGICAL SCIENCES | 1674-7321 | 1.113 | 1.029 | 0.235 | ENGINEERING, MULTIDISCIPLINARYMATERIALS SCIENCE, MULTIDISCIPLINARY | Q2Q3 |
| OPTICAL ENGINEERING | 0091-3286 | 0.958 | 0.847 | 0.245 | OPTICS | Q3 |
| CHINESE JOURNAL OF ELECTRONICS | 1022-4653 | 0.325 | 0.27 | 0.049 | ENGINEERING, ELECTRICAL & ELECTRONIC  | Q4 |
| INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY | 0268-3768 | 1.779 | 1.919 | 0.161 | AUTOMATION & CONTROL SYSTEMSENGINEERING, MANUFACTURING | Q2Q2 |
| ENERGY FUELS | 0887-0624 | 2.733 | 3.236 | 0.425 | ENERGY & FUELSENGINEERING, CHEMICAL  | Q2Q1 |
| APPLIED MATHEMATICS AND MECHANICS ENGLISH EDITION | 0253-4827 | 0.802 | 0.688 | 0.127 | MATHEMATICS, APPLIEDMECHANICS | Q2Q3 |
| EXPERT SYSTEMS WITH APPLICATIONS | 0957-4174 | 1.965 | 2.254 | 0.439 | COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCEENGINEERING, ELECTRICAL & ELECTRONICOPERATIONS RESEARCH & MANAGEMENT SCIENCE | Q1Q2Q1 |
| OPTICS AND LASER TECHNOLOGY | 0030-3992  | 1.649 | 1.653 | 0.627 | OPTICSPHYSICS, APPLIED | Q2Q2 |
| JOURNAL OF HYDRODYNAMICS | 1001-6058 | 0.582 | 0.933 | 0.036 | MECHANICS | Q4 |
| JOURNAL OF SYSTEMS ENGINEERING AND ELECTRONICS | 1004-4132 | 0.605 | 0.499 | 0.017 | AUTOMATION & CONTROL SYSTEMSENGINEERING, ELECTRICAL & ELECTRONICOPERATIONS RESEARCH & MANAGEMENT SCIENCE | Q4Q4Q4 |
| JOURNAL OF ELECTROMAGNETIC WAVES AND APPLICATIONS | 0920-5071 | 1.395 | 1.041 | 0.191 | ENGINEERING, ELECTRICAL & ELECTRONICPHYSICS, APPLIED | Q2Q3 |
| JOURNAL OF SOUND AND VIBRATION | 0022-460X | 1.857 | 2.151 | 0.372 | ACOUSTICSENGINEERING, MECHANICALMECHANICS | Q1Q1Q1 |
| INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER | 0017-9310 | 2.522 | 2.868 | 0.455 | ENGINEERING, MECHANICALMECHANICSTHERMODYNAMICS | Q1Q1Q1 |