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# Journal Citation Report @

## LIST OF TOP JOURNAL TITLE BASED ON IMPACT FACTOR COLLEGE OF SCIENCES

## SUBJECT CATEGORY : APPLIED PHYSICS

| Rank | Full Journal Title (linked to journal information) | JCR Abbreviated Title | ISSN | JCR Data 2015 | | |
|---|---|---|---|---|---|---|
| | | | | Total Cites | Journal Impact Factor | 5-Year Impact Factor |
| 1 | NATURE MATERIALS | NAT MATER | 1476-1122 | 72,306 | 38.891 | 45.772 |
| 2 | Nature Photonics | NAT PHOTONICS | 1749-4885 | 28,381 | 31.167 | 34.159 |
| 3 | MATERIALS SCIENCE & ENGINEERING R-REPORTS | MAT SCI ENG R | 0927-796X | 5,802 | 24.652 | 19.887 |
| 4 | ADVANCED MATERIALS | ADV MATER | 0935-9648 | 141,386 | 18.960 | 18.862 |
| 5 | Advanced Energy Materials | ADV ENERGY MATER | 1614-6832 | 15,724 | 15.230 | 16.757 |
| 6 | Applied Physics Reviews | APPL PHYS REV | 1931-9401 | 458 | 14.310 | 14.310 |
| 7 | NANO LETTERS | NANO LETT | 1530-6984 | 129,399 | 13.779 | 14.867 |
| 8 | Nano Energy | NANO ENERGY | 2211-2855 | 6,968 | 11.553 | 12.272 |
| 9 | ADVANCED FUNCTIONAL MATERIALS | ADV FUNCT MATER | 1616-301X | 58,245 | 11.382 | 11.774 |
| 10 | Nano Research | NANO RES | 1998-0124 | 7,188 | 8.893 | 9.274 |
| 11 | Small | SMALL | 1613-6810 | 30,275 | 8.315 | 8.375 |
| 12 | Nanoscale | NANOSCALE | 2040-3364 | 46,621 | 7.760 | 7.915 |
| 13 | Laser & Photonics Reviews | LASER PHOTONICS REV | 1863-8880 | 3,381 | 7.486 | 8.249 |
| 14 | PROGRESS IN PHOTOVOLTAICS | PROG PHOTOVOLTAICS | 1062-7995 | 7,802 | 7.365 | 7.270 |
| 15 | MRS BULLETIN | MRS BULL | 0883-7694 | 6,620 | 6.060 | 5.932 |
| 16 | ACS Photonics | ACS PHOTONICS | 2330-4022 | 1,364 | 5.404 | 5.404 |
| 17 | CURRENT OPINION IN SOLID STATE & MATERIALS SCIENCE | CURR OPIN SOLID ST M | 1359-0286 | 3,241 | 5.111 | 7.129 |
| 18 | Journal of Materials Chemistry C | J MATER CHEM C | 2050-7526 | 12,788 | 5.066 | 5.076 |
| 19 | SOLAR ENERGY MATERIALS AND SOLAR CELLS | SOL ENERG MAT SOL C | 0927-0248 | 25,597 | 4.732 | 5.016 |
| 20 | Nanophotonics | NANOPHOTONICS-BERLIN | 2192-8606 | 438 | 4.333 | 5.372 |
| 21 | APL Materials | APL MATER | 2166-532X | 1,417 | 4.323 | 4.326 |
| 22 | Physical Review Applied | PHYS REV APPL | 2331-7019 | 634 | 4.061 | 4.070 |
| 23 | IEEE Journal of Photovoltaics | IEEE J PHOTOVOLT | 2156-3381 | 2,469 | 3.736 | 3.843 |
| 24 | NANOTECHNOLOGY | NANOTECHNOLOGY | 0957-4484 | 38,662 | 3.573 | 3.611 |
| 25 | ORGANIC ELECTRONICS | ORG ELECTRON | 1566-1199 | 10,088 | 3.471 | 3.482 |
| 26 | IEEE JOURNAL OF SELECTED TOPICS IN QUANTUM ELECTRONICS | IEEE J SEL TOP QUANT | 1077-260X | 8,069 | 3.466 | 3.231 |
| 27 | APPLIED SURFACE SCIENCE | APPL SURF SCI | 0169-4332 | 52,411 | 3.150 | 2.982 |
| 28 | APPLIED PHYSICS LETTERS | APPL PHYS LETT | 0003-6951 | 222,233 | 3.142 | 3.293 |
| 29 | Nano-Micro Letters | NANO-MICRO LETT | 2311-6706 | 514 | 3.012 | 2.257 |
| 30 | Beilstein Journal of Nanotechnology | BEILSTEIN J NANOTECH | 2190-4286 | 1,848 | 2.778 | 2.977 |
| 31 | JOURNAL OF PHYSICS D-APPLIED PHYSICS | J PHYS D APPL PHYS | 0022-3727 | 32,980 | 2.772 | 2.760 |
| 32 | SUPERCONDUCTOR SCIENCE & TECHNOLOGY | SUPERCOND SCI TECH | 0953-2048 | 6,075 | 2.717 | 2.483 |
| 33 | Plasma Processes and Polymers | PLASMA PROCESS POLYM | 1612-8850 | 3,289 | 2.713 | 3.286 |
| 34 | Nanoscale Research Letters | NANOSCALE RES LETT | 1556-276X | 9,519 | 2.584 | 2.850 |
| 35 | Physica Status Solidi-Rapid Research Letters | PHYS STATUS SOLIDI-R | 1862-6254 | 2,312 | 2.578 | 2.087 |
| 36 | METROLOGIA | METROLOGIA | 0026-1394 | 2,986 | 2.500 | 2.121 |
| 37 | MATERIALS LETTERS | MATER LETT | 0167-577X | 33,867 | 2.437 | 2.412 |
| 38 | LASER PHYSICS LETTERS | LASER PHYS LETT | 1612-2011 | 3,467 | 2.391 | 2.262 |
| 39 | Nanoscale and Microscale Thermophysical Engineering | NANOSC MICROSC THERM | 1556-7265 | 240 | 2.390 | 1.750 |
| 40 | IEEE Transactions on Terahertz Science and Technology | IEEE T THZ SCI TECHN | 2156-342X | 992 | 2.298 | 3.104 |
| 41 | Applied Physics Express | APPL PHYS EXPRESS | 1882-0778 | 6,310 | 2.265 | 2.267 |
| 42 | MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING | MAT SCI SEMICON PROC | 1369-8001 | 3,325 | 2.264 | 2.157 |

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| Rank | Full Journal Title (linked to journal information) | JCR Abbreviated Title | ISSN | JCR Data 2015 | | |
|---|---|---|---|---|---|---|
| | | | | Total Cites | Journal Impact Factor | 5-Year Impact Factor |
| 43 | IEEE TRANSACTIONS ON ELECTRON DEVICES | IEEE T ELECTRON DEV | 0018-9383 | 16,773 | 2.207 | 2.312 |
| 44 | IEEE Photonics Journal | IEEE PHOTONICS J | 1943-0655 | 2,498 | 2.177 | 2.139 |
| 45 | CURRENT APPLIED PHYSICS | CURR APPL PHYS | 1567-1739 | 6,297 | 2.144 | 2.138 |
| 46 | SURFACE & COATINGS TECHNOLOGY | SURF COAT TECH | 0257-8972 | 30,936 | 2.139 | 2.417 |
| 47 | JOURNAL OF APPLIED PHYSICS | J APPL PHYS | 0021-8979 | 151,547 | 2.101 | 2.126 |
| 48 | Nanotechnology Reviews | NANOTECHNOL REV | 2191-9089 | 195 | 2.044 | 1.848 |
| 49 | IEEE Magnetics Letters | IEEE MAGN LETT | 1949-307X | 184 | 1.978 | 1.776 |
| 50 | IEEE PHOTONICS TECHNOLOGY LETTERS | IEEE PHOTONIC TECH L | 1041-1135 | 13,515 | 1.945 | 1.785 |
| 51 | Journal of Display Technology | J DISP TECHNOL | 1551-319X | 1,919 | 1.925 | 1.899 |
| 52 | IEEE SENSORS JOURNAL | IEEE SENS J | 1530-437X | 7,418 | 1.889 | 1.988 |
| 53 | OPTICS AND LASER TECHNOLOGY | OPT LASER TECHNOL | 0030-3992 | 4,089 | 1.879 | 1.649 |
| 54 | JOURNAL OF SYNCHROTRON RADIATION | J SYNCHROTRON RADIAT | 1600-5775 | 4,675 | 1.877 | 2.320 |
| 55 | MODELLING AND SIMULATION IN MATERIALS SCIENCE AND ENGINEERING | MODEL SIMUL MATER SC | 0965-0393 | 3,228 | 1.859 | 2.364 |
| 56 | Journal of Infrared Millimeter and Terahertz Waves | J INFRARED MILLIM TE | 1866-6892 | 911 | 1.851 | 1.463 |
| 57 | IEEE JOURNAL OF QUANTUM ELECTRONICS | IEEE J QUANTUM ELECT | 0018-9197 | 8,919 | 1.843 | 1.622 |
| 58 | Science of Advanced Materials | SCI ADV MATER | 1947-2935 | 1,961 | 1.812 | 1.795 |
| 59 | PLASMA CHEMISTRY AND PLASMA PROCESSING | PLASMA CHEM PLASMA P | 0272-4324 | 2,081 | 1.811 | 1.861 |
| 60 | JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS | J MATER SCI-MATER EL | 0957-4522 | 6,575 | 1.798 | 1.743 |
| 61 | APPLIED PHYSICS B-LASERS AND OPTICS | APPL PHYS B-LASERS O | 0946-2171 | 10,409 | 1.785 | 1.686 |
| 62 | THIN SOLID FILMS | THIN SOLID FILMS | 0040-6090 | 42,090 | 1.761 | 1.790 |
| 63 | GRANULAR MATTER | GRANUL MATTER | 1434-5021 | 1,258 | 1.740 | 1.926 |
| 64 | Applied Sciences-Basel | APPL SCI-BASEL | 2076-3417 | 238 | 1.726 | 1.773 |
| 65 | JOURNAL OF VACUUM SCIENCE & TECHNOLOGY A | J VAC SCI TECHNOL A | 0734-2101 | 6,920 | 1.724 | 1.676 |
| 66 | IEEE TRANSACTIONS ON NANOTECHNOLOGY | IEEE T NANOTECHNOL | 1536-125X | 2,329 | 1.702 | 1.652 |
| 67 | Journal of Computational and Theoretical Nanoscience | J COMPUT THEOR NANOS | 1546-1955 | 2,717 | 1.666 | 1.109 |
| 68 | ECS Journal of Solid State Science and Technology | ECS J SOLID STATE SC | 2162-8769 | 1,210 | 1.650 | 1.583 |
| 69 | LASER AND PARTICLE BEAMS | LASER PART BEAMS | 0263-0346 | 1,350 | 1.649 | 1.411 |
| 70 | PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE | PHYS STATUS SOLIDI A | 1862-6300 | 10,516 | 1.648 | 1.446 |
| 71 | PHILOSOPHICAL MAGAZINE | PHILOS MAG | 1478-6435 | 11,226 | 1.632 | 1.705 |
| 72 | EUROPEAN PHYSICAL JOURNAL E | EUR PHYS J E | 1292-8941 | 3,547 | 1.625 | 1.763 |
| 73 | OPTO-ELECTRONICS REVIEW | OPTO-ELECTRON REV | 1230-3402 | 693 | 1.611 | 1.287 |
| 74 | INFRARED PHYSICS & TECHNOLOGY | INFRARED PHYS TECHN | 1350-4495 | 2,360 | 1.588 | 1.675 |
| 75 | Advances in Natural Sciences-Nanoscience and Nanotechnology | ADV NAT SCI-NANOSCI | 2043-6254 | 641 | 1.581 | Not Available |
| 76 | Recent Patents on Nanotechnology | RECENT PAT NANOTECH | 1872-2105 | 221 | 1.576 | 1.446 |
| 77 | VACUUM | VACUUM | 0042-207X | 5,927 | 1.558 | 1.615 |
| 78 | Journal of Photonics for Energy | J PHOTON ENERGY | 1947-7988 | 295 | 1.527 | 1.347 |
| 79 | Photonics and Nanostructures-Fundamentals and Applications | PHOTONIC NANOSTRUCT | 1569-4410 | 555 | 1.505 | 1.252 |
| 80 | JOURNAL OF ELECTRONIC MATERIALS | J ELECTRON MATER | 0361-5235 | 7,536 | 1.491 | 1.566 |
| 81 | JOURNAL OF CRYSTAL GROWTH | J CRYST GROWTH | 0022-0248 | 24,358 | 1.462 | 1.481 |
| 82 | AIP Advances | AIP ADV | 2158-3226 | 2,682 | 1.444 | 1.496 |
| 82 | APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING | APPL PHYS A-MATER | 0947-8396 | 13,900 | 1.444 | 1.517 |
| 84 | IEEE TRANSACTIONS ON DEVICE AND MATERIALS RELIABILITY | IEEE T DEVICE MAT RE | 1530-4388 | 1,350 | 1.437 | 1.518 |
| 85 | JOURNAL OF VACUUM SCIENCE & TECHNOLOGY B | J VAC SCI TECHNOL B | 1071-1023 | 9,320 | 1.398 | 1.166 |
| 86 | SOLID-STATE ELECTRONICS | SOLID STATE ELECTRON | 0038-1101 | 6,308 | 1.345 | 1.314 |
| 87 | JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY | J NANOSCI NANOTECHNO | 1533-4880 | 13,037 | 1.338 | 1.105 |
| 88 | REVIEW OF SCIENTIFIC INSTRUMENTS | REV SCI INSTRUM | 0034-6748 | 25,970 | 1.336 | 1.422 |

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| Rank | Full Journal Title (linked to journal information) | JCR Abbreviated Title | ISSN | JCR Data 2015 | | |
|---|---|---|---|---|---|---|
| | | | | Total Cites | Journal Impact Factor | 5-Year Impact Factor |
| 89 | Progress in Electromagnetics Research-PIER | PROG ELECTROMAGN RES | 1559-8985 | 3,139 | 1.315 | 1.252 |
| 90 | IEEE TRANSACTIONS ON DIELECTRICS AND ELECTRICAL INSULATION | IEEE T DIELECT EL IN | 1070-9878 | 5,738 | 1.306 | 1.648 |
| 91 | IEEE TRANSACTIONS ON MAGNETICS | IEEE T MAGN | 0018-9464 | 19,640 | 1.277 | 1.328 |
| 91 | MICROELECTRONIC ENGINEERING | MICROELECTRON ENG | 0167-9317 | 7,249 | 1.277 | 1.193 |
| 93 | ATOMIZATION AND SPRAYS | ATOMIZATION SPRAY | 1044-5110 | 920 | 1.235 | 1.045 |
| 94 | MICROELECTRONICS RELIABILITY | MICROELECTRON RELIAB | 0026-2714 | 4,680 | 1.202 | 1.285 |
| 95 | Quantitative InfraRed Thermography Journal | QUANT INFR THERM J | 1768-6733 | 157 | 1.200 | 1.187 |
| 96 | ECS Solid State Letters | ECS SOLID STATE LETT | 2162-8742 | 374 | 1.142 | 1.225 |
| 97 | JAPANESE JOURNAL OF APPLIED PHYSICS | JPN J APPL PHYS | 0021-4922 | 26,924 | 1.122 | 0.927 |
| 98 | Journal of X-Ray Science and Technology | J X-RAY SCI TECHNOL | 0895-3996 | 474 | 1.111 | 1.035 |
| 99 | Nanomaterials and Nanotechnology | NANOMATER NANOTECHNO | 1847-9804 | 139 | 1.109 | 1.404 |
| 100 | Journal of Computational Electronics | J COMPUT ELECTRON | 1569-8025 | 555 | 1.104 | 1.133 |
| 101 | LASER PHYSICS | LASER PHYS | 1054-660X | 2,939 | 1.102 | 0.898 |
| 102 | Journal of Superconductivity and Novel Magnetism | J SUPERCOND NOV MAGN | 1557-1939 | 2,390 | 1.100 | 0.875 |
| 103 | IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY | IEEE T APPL SUPERCON | 1051-8223 | 6,025 | 1.092 | 0.903 |
| 104 | JOURNAL OF LASER APPLICATIONS | J LASER APPL | 1042-346X | 625 | 1.078 | 1.422 |
| 105 | Radiophysics and Quantum Electronics | RADIOPHYS QUANT EL+ | 0033-8443 | 1,038 | 1.060 | 1.024 |
| 106 | HIGH TEMPERATURE | HIGH TEMP+ | 0018-151X | 1,312 | 1.048 | 0.790 |
| 107 | IEEE TRANSACTIONS ON SEMICONDUCTOR MANUFACTURING | IEEE T SEMICONDUCT M | 0894-6507 | 1,099 | 1.045 | 1.019 |
| 108 | CRYOGENICS | CRYOGENICS | 0011-2275 | 2,025 | 1.026 | 1.012 |
| 109 | Nanoscience and Nanotechnology Letters | NANOSCI NANOTECH LET | 1941-4900 | 891 | 1.007 | 1.018 |
| 110 | QUANTUM ELECTRONICS | QUANTUM ELECTRON+ | 1063-7818 | 2,742 | 0.978 | 0.883 |
| 111 | MICROSYSTEM TECHNOLOGIES-MICRO-AND NANOSYSTEMS-INFORMATION STORAGE AND PROCESSING SYSTEMS | MICROSYST TECHNOL | 0946-7076 | 2,135 | 0.974 | 0.889 |
| 112 | NANO | NANO | 1793-2920 | 543 | 0.951 | 1.082 |
| 113 | INTERNATIONAL JOURNAL OF THERMOPHYSICS | INT J THERMOPHYS | 0195-928X | 3,352 | 0.946 | 1.014 |
| 114 | Journal of Zhejiang University-SCIENCE A | J ZHEJIANG UNIV-SC A | 1673-565X | 1,018 | 0.941 | 0.862 |
| 115 | Topics in Applied Physics | TOP APPL PHYS | 0303-4216 | 999 | 0.889 | 0.768 |
| 116 | INTERNATIONAL JOURNAL OF MODERN PHYSICS B | INT J MOD PHYS B | 0217-9792 | 3,035 | 0.850 | 0.582 |
| 117 | PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS | PHYSICA C | 0921-4534 | 5,774 | 0.835 | 0.629 |
| 118 | Journal of Experimental Nanoscience | J EXP NANOSCI | 1745-8080 | 525 | 0.832 | 0.955 |
| 119 | FLUCTUATION AND NOISE LETTERS | FLUCT NOISE LETT | 0219-4775 | 313 | 0.815 | 0.653 |
| 120 | JOURNAL OF LOW TEMPERATURE PHYSICS | J LOW TEMP PHYS | 0022-2291 | 2,750 | 0.787 | 0.710 |
| 121 | JOURNAL OF ELECTROMAGNETIC WAVES AND APPLICATIONS | J ELECTROMAGNET WAVE | 0920-5071 | 1,415 | 0.772 | 0.660 |
| 122 | Journal of Laser Micro Nanoengineering | J LASER MICRO NANOEN | 1880-0688 | 366 | 0.759 | 0.829 |
| 123 | JOURNAL OF RESEARCH OF THE NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY | J RES NATL INST STAN | 1044-677X | 2,101 | 0.729 | 1.024 |
| 124 | INTERNATIONAL JOURNAL OF APPLIED ELECTROMAGNETICS AND MECHANICS | INT J APPL ELECTROM | 1383-5416 | 894 | 0.724 | 0.621 |
| 125 | TECHNICAL PHYSICS LETTERS | TECH PHYS LETT+ | 1063-7850 | 2,141 | 0.702 | 0.581 |
| 126 | Journal of Ovonic Research | J OVONIC RES | 1842-2403 | 137 | 0.692 | 0.638 |
| 127 | Chalcogenide Letters | CHALCOGENIDE LETT | 1584-8663 | 579 | 0.676 | 0.906 |
| 128 | Journal of Nanoelectronics and Optoelectronics | J NANOELECTRON OPTOE | 1555-130X | 374 | 0.675 | 0.515 |
| 129 | LOW TEMPERATURE PHYSICS | LOW TEMP PHYS+ | 1063-777X | 1,308 | 0.670 | 0.629 |
| 130 | EUROPEAN PHYSICAL JOURNAL-APPLIED PHYSICS | EUR PHYS J-APPL PHYS | 1286-0042 | 1,604 | 0.667 | 0.669 |
| 131 | MAPAN-Journal of Metrology Society of India | MAPAN-J METROL SOC I | 0970-3950 | 128 | 0.634 | 0.611 |
| 132 | Journal of the Society for Information Display | J SOC INF DISPLAY | 1071-0922 | 894 | 0.619 | 0.695 |
| 133 | JOURNAL OF NONLINEAR OPTICAL PHYSICS & MATERIALS | J NONLINEAR OPT PHYS | 0218-8635 | 379 | 0.616 | 0.550 |
| 134 | TECHNICAL PHYSICS | TECH PHYS+ | 1063-7842 | 2,453 | 0.569 | 0.529 |

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|---|---|---|---|---|---|---|
| | | | | Total Cites | Journal Impact Factor | 5-Year Impact Factor |
| 135 | MODERN PHYSICS LETTERS B | MOD PHYS LETT B | 0217-9849 | 1,363 | 0.547 | 0.484 |
| 136 | Journal of Semiconductor Technology and Science | J SEMICOND TECH SCI | 1598-1657 | 189 | 0.467 | 0.428 |
| 137 | International Journal of Surface Science and Engineering | INT J SURF SCI ENG | 1749-785X | 93 | 0.440 | 0.384 |
| 138 | Journal of Magnetics | J MAGN | 1226-1750 | 198 | 0.421 | 0.406 |
| 139 | JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS | J OPTOELECTRON ADV M | 1454-4164 | 2,107 | 0.383 | 0.435 |
| 140 | INTEGRATED FERROELECTRICS | INTEGR FERROELECTR | 1058-4587 | 826 | 0.375 | 0.360 |
| 141 | Journal of Nano Research | J NANO RES-SW | 1662-5250 | 254 | 0.366 | 0.433 |
| 142 | Journal of Applied Mechanics and Technical Physics | J APPL MECH TECH PH+ | 0021-8944 | 929 | 0.274 | 0.277 |
| 143 | Romanian Journal of Information Science and Technology | ROM J INF SCI TECH | 1453-8245 | 109 | 0.269 | 0.343 |
| 144 | SOLID STATE TECHNOLOGY | SOLID STATE TECHNOL | 0038-111X | 178 | 0.200 | 0.160 |
| 145 | Advanced Electronic Materials | ADV ELECTRON MATER | 2199-160X | 90 | Not Available | Not Available |

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