

Abhishek Kumar

List of Publications by Year in descending order

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391
papers

8,027
citations

61984

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98798

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415
all docs

415
docs citations

415
times ranked

9286
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Design of IF-RF-Based Heterodyne Transmitter Using Current Steering DAC with 5.4GHz Spur-Free Bandwidth. IETE Journal of Research, 2023, 69, 8277-8292. | 2.6 | 1 |
| 2 | Neural/fuzzy self learning Lyapunov control for non linear systems. International Journal of Information Technology (Singapore), 2022, 14, 229-242. | 2.7 | 3 |
| 3 | A Reference Vector-Based Simplified Covariance Matrix Adaptation Evolution Strategy for Constrained Global Optimization. IEEE Transactions on Cybernetics, 2022, 52, 3696-3709. | 9.5 | 19 |
| 4 | The weeping heart, the choked lung, the blinded eye, and the crying femur: A saga of juvenile dermatomyositis. Indian Journal of Rheumatology, 2022, 17, 306. | 0.4 | 0 |
| 5 | A Ā...-Constrained Matrix Adaptation Evolution Strategy With Broyden-Based Mutation for Constrained Optimization. IEEE Transactions on Cybernetics, 2022, 52, 4784-4796. | 9.5 | 16 |
| 6 | Low-power and low glitch area current steering DAC. Engineering Science and Technology, an International Journal, 2022, 29, 101035. | 3.2 | 6 |
| 7 | Tuning of interfacial charge transport in polyporphine/phthalocyanine heterojunctions by molecular geometry control for an efficient gas sensor. Chemical Engineering Journal, 2022, 429, 132453. | 12.7 | 23 |
| 8 | Flame aerosol synthesis of hollow alumina nanoshells for application in thermal insulation. Chemical Engineering Journal, 2022, 428, 131273. | 12.7 | 11 |
| 9 | Nucleate pool boiling heat transfer of R-1234ze(E) and R-134a on GEWA-B5H and smooth tube with the influence of POE oil. Applied Thermal Engineering, 2022, 201, 117779. | 6.0 | 15 |
| 10 | Electromechanically Tunable Frequency Agile Metamaterial Bandpass Filters for Terahertz Waves. Advanced Optical Materials, 2022, 10, 2101544. | 7.3 | 18 |
| 11 | Variability Analysis of SBOX With CMOS 45Ånm Technology. Wireless Personal Communications, 2022, 124, 671-682. | 2.7 | 4 |
| 12 | Palladium Nanosheet-Based Dual Gas Sensors for Sensitive Room-Temperature Hydrogen and Carbon Monoxide Detection. ACS Sensors, 2022, 7, 225-234. | 7.8 | 25 |
| 13 | Whole-Exome Sequencing Identifies a Novel Germline Variant in PTK7 Gene in Familial Colorectal Cancer. International Journal of Molecular Sciences, 2022, 23, 1295. | 4.1 | 2 |
| 14 | Germline Variants of CYBA and TRPM4 Predispose to Familial Colorectal Cancer. Cancers, 2022, 14, 670. | 3.7 | 11 |
| 15 | Covalent grafting of aryls to modulate the electrical properties of phthalocyanine-based heterostructures: Application to ammonia sensing. Chemical Engineering Journal, 2022, 436, 135207. | 12.7 | 14 |
| 16 | Synthesis, characterization, and modelling the behavior of in-situ ZrO ₂ nanoparticles dispersed epoxy nanocomposite. Engineering Fracture Mechanics, 2022, 263, 108300. | 4.3 | 7 |
| 17 | An Eigenvalue Based Cooperative Spectrum Sensing for Multiuser MIMO Cognitive Radio Networks Under Correlated Fading Scenario. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2022, , 108-119. | 0.3 | 0 |
| 18 | Ultrathin Palladium Nanowires for Fast and Hysteresis-Free H ₂ Sensing. ACS Applied Nano Materials, 2022, 5, 5895-5905. | 5.0 | 9 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Mechanical characterization and adhesive properties of a dental adhesive modified with a polymer antibiotic conjugate. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2022, 129, 105153. | 3.1 | 1 |
| 20 | Interplay of hetero-MN4 catalytic sites on graphene for efficient oxygen reduction reaction. <i>Electrochimica Acta</i> , 2022, 419, 140397. | 5.2 | 2 |
| 21 | Active Ultrahigh-Q (0.2 Å ⁻¹ – 10 ⁶ THz Topological Cavities on a Chip. <i>Advanced Materials</i> , 2022, 34, e2202370. | 21.0 | 48 |
| 22 | Topological integrated circuits for 5G and 6G. <i>Nature Electronics</i> , 2022, 5, 261-262. | 26.0 | 23 |
| 23 | Pd Alloy Nanosheet Inks for Inkjet-Printable H ₂ Sensors on Paper. <i>Advanced Materials Interfaces</i> , 2022, 9, . | 3.7 | 3 |
| 24 | Improvement in metrological performances of phthalocyanine-based QCM sensors for BTX detection in air through substituent's effect. <i>Sensors and Actuators B: Chemical</i> , 2022, 368, 132253. | 7.8 | 7 |
| 25 | Topological sensor on a silicon chip. <i>Applied Physics Letters</i> , 2022, 121, . | 3.3 | 51 |
| 26 | The role of herbal plants in the inhibition of SARS-CoV-2 main protease: A computational approach. <i>Journal of the Indian Chemical Society</i> , 2022, 99, 100640. | 2.8 | 2 |
| 27 | Interplay of electrode geometry and bias on charge transport in organic heterojunction gas sensors. <i>Sensors and Actuators B: Chemical</i> , 2022, 369, 132313. | 7.8 | 11 |
| 28 | Phase unbalance and PAR constrained optimal active and reactive power scheduling of Virtual Power Plants (VPPs). <i>International Journal of Electrical Power and Energy Systems</i> , 2021, 125, 106443. | 5.5 | 11 |
| 29 | A Low Power Approach for Designing 12-Bit Current Steering DAC. <i>Lecture Notes in Electrical Engineering</i> , 2021, , 595-604. | 0.4 | 2 |
| 30 | Copper@ZIF@Core-Shell Nanowires for Reusable Antimicrobial Face Masks. <i>Advanced Functional Materials</i> , 2021, 31, 2008054. | 14.9 | 98 |
| 31 | Establishing Seismic Site Class for five Recording Stations in Delhi Based on Theoretical Horizontal to Vertical Spectral Ratio. <i>Lecture Notes in Civil Engineering</i> , 2021, , 223-232. | 0.4 | 0 |
| 32 | Synthesis and antibacterial activity of polymer-antibiotic conjugates incorporated into a resin-based dental adhesive. <i>Biomaterials Science</i> , 2021, 9, 2043-2052. | 5.4 | 4 |
| 33 | Corrections to "Preference-Based Privacy Markets". <i>IEEE Access</i> , 2021, 9, 14179-14180. | 4.2 | 0 |
| 34 | Photon assisted-inversion of majority charge carriers in molecular semiconductor-based organic heterojunctions. <i>Journal of Materials Chemistry C</i> , 2021, 9, 5008-5020. | 5.5 | 7 |
| 35 | Interfacially synthesized 2D COF thin film photocatalyst: efficient photocatalyst for solar formic acid production from CO ₂ and fine chemical synthesis. <i>Journal of Materials Chemistry A</i> , 2021, 9, 9573-9580. | 10.3 | 39 |
| 36 | Facile one-pot synthesis of PdM (M = Ag, Ni, Cu, Y) nanowires for use in mixed matrix membranes for efficient hydrogen separation. <i>Journal of Materials Chemistry A</i> , 2021, 9, 12755-12762. | 10.3 | 16 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 37 | Power Flow Analysis of Islanded Microgrids: A Differential Evolution Approach. IEEE Access, 2021, 9, 61721-61738. | 4.2 | 23 |
| 38 | A cannabidiol-loaded Mg-gallate metal-organic framework-based potential therapeutic for glioblastomas. Journal of Materials Chemistry B, 2021, 9, 2505-2514. | 5.8 | 13 |
| 39 | Establishing Seismic Site Class for 4 Recording Stations in Uttarakhand Based on Generalized Inversion and 1-D Equivalent Linear Site-Specific Response Analysis. Lecture Notes in Civil Engineering, 2021, , 569-580. | 0.4 | 0 |
| 40 | An unbiased confirmation of the participating isomers of $C_{20}B_{15}N^+$ in the formation of its photo-detachment spectra: a theoretical study. Physical Chemistry Chemical Physics, 2021, 23, 3160-3175. | 2.8 | 5 |
| 41 | Volatile Ultrafast Switching at Multilevel Nonvolatile States of Phase Change Material for Active Flexible Terahertz Metadevices. Advanced Functional Materials, 2021, 31, 2100200. | 14.9 | 53 |
| 42 | Whole Exome Sequencing Identifies APCDD1 and HDAC5 Genes as Potentially Cancer Predisposing in Familial Colorectal Cancer. International Journal of Molecular Sciences, 2021, 22, 1837. | 4.1 | 6 |
| 43 | Ultrafast Photo-Thermal Switching of Terahertz Spin Currents. Advanced Functional Materials, 2021, 31, 2010453. | 14.9 | 29 |
| 44 | Methodologies Available for the Determination of Seismic Active Thrust Acting on Retaining Walls: A Critical Review. Indian Geotechnical Journal, 2021, 51, 1056-1068. | 1.4 | 2 |
| 45 | Nucleate boiling heat transfer of R-134a and R-134a/POE lubricant mixtures on smooth tube. Applied Thermal Engineering, 2021, 185, 116359. | 6.0 | 20 |
| 46 | Temperature-Dependent Nonlinear Damping in Palladium Nanomechanical Resonators. Nano Letters, 2021, 21, 2975-2981. | 9.1 | 7 |
| 47 | Nanoporous Gold-Based Materials for Electrochemical Energy Storage and Conversion. Energy Technology, 2021, 9, 2000927. | 3.8 | 26 |
| 48 | Polymorphisms within Autophagy-Related Genes Influence the Risk of Developing Colorectal Cancer: A Meta-Analysis of Four Large Cohorts. Cancers, 2021, 13, 1258. | 3.7 | 3 |
| 49 | Microstructural evolution and mechanical properties of 316 austenitic stainless steel by CGP. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 812, 141105. | 5.6 | 18 |
| 50 | A Novel Low-Risk Germline Variant in the SH2 Domain of the SRC Gene Affects Multiple Pathways in Familial Colorectal Cancer. Journal of Personalized Medicine, 2021, 11, 262. | 2.5 | 0 |
| 51 | Effect of endogenous hormones, antisperm antibody and oxidative stress on semen quality of crossbred bulls. Animal Biotechnology, 2021, , 1-8. | 1.5 | 1 |
| 52 | Tuning of organic heterojunction conductivity by the substituents' electronic effects in phthalocyanines for ambipolar gas sensors. Sensors and Actuators B: Chemical, 2021, 332, 129505. | 7.8 | 26 |
| 53 | Phase transformation, Mechanical Properties and Corrosion Behavior of 304L Austenitic Stainless Steel Rolled at Room and Cryo Temperatures. Defence Science Journal, 2021, 71, 383-389. | 0.8 | 1 |
| 54 | New Frequency Domain-Based Inverse Ground Response Analysis Framework for the Determination of Dynamic Soil Properties. International Journal of Geomechanics, 2021, 21, . | 2.7 | 4 |

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| 55 | Mass Transport in Nanoporous Gold and Correlation with Surface Pores for EC 1 Mechanism: Case of Ascorbic Acid. <i>ChemElectroChem</i> , 2021, 8, 2129-2136. | 3.4 | 3 |
| 56 | Black Phosphorus n-Type Doping by Cu: A Microscopic Surface Investigation. <i>Journal of Physical Chemistry C</i> , 2021, 125, 13477-13484. | 3.1 | 7 |
| 57 | An Inversion-Free Robust Power-Flow Algorithm for Microgrids. <i>IEEE Transactions on Smart Grid</i> , 2021, 12, 2844-2859. | 9.0 | 8 |
| 58 | A single-center experience in use of tocilizumab in COVID-19 pneumonia in India. <i>Medical Journal Armed Forces India</i> , 2021, 77, S296-S304. | 0.8 | 2 |
| 59 | Seismic source zonation for NE India on the basis of past EQs and spatial distribution of seismicity parameters. <i>Journal of Seismology</i> , 2021, 25, 1483-1506. | 1.3 | 12 |
| 60 | Reduced Graphene Oxide-Wrapped Palladium Nanowires Coated with a Layer of Zeolitic Imidazolate Framework-8 for Hydrogen Sensing. <i>ACS Applied Nano Materials</i> , 2021, 4, 8081-8093. | 5.0 | 17 |
| 61 | Terahertz MEMS metadevices. <i>Journal of Micromechanics and Microengineering</i> , 2021, 31, 113001. | 2.6 | 28 |
| 62 | Asymmetry, terms of trade and the aggregate supply curve in an open economy model. <i>Journal of Economic Asymmetries</i> , 2021, 24, e00206. | 3.5 | 0 |
| 63 | A Benchmark-Suite of real-World constrained multi-objective optimization problems and some baseline results. <i>Swarm and Evolutionary Computation</i> , 2021, 67, 100961. | 8.1 | 86 |
| 64 | Smartphone Confrontational Applications and Security Issues. , 2021, , 323-336. | | 0 |
| 65 | A Review on the Seismic Vulnerability of Oil and Gas Pipelines in Guwahati City. <i>Lecture Notes in Civil Engineering</i> , 2021, , 287-299. | 0.4 | 0 |
| 66 | Sketching an AI Marketplace: Tech, Economic, and Regulatory Aspects. <i>IEEE Access</i> , 2021, 9, 13761-13774. | 4.2 | 13 |
| 67 | Application of Biological Domain Knowledge Based Feature Selection on Gene Expression Data. <i>Entropy</i> , 2021, 23, 2. | 2.2 | 34 |
| 68 | Studying and Comparing the Declustered EQ Catalogue Obtained from Different Methods for Guwahati Region NE India. <i>Lecture Notes in Civil Engineering</i> , 2021, , 577-590. | 0.4 | 1 |
| 69 | Site Classification of Strong Motion Stations of Uttarakhand, India, Based on Standard Spectral Ratio, and Horizontal-to-Vertical Spectral Ratio Methods. <i>Lecture Notes in Civil Engineering</i> , 2021, , 495-506. | 0.4 | 0 |
| 70 | Policy errors and business cycle fluctuations: Evidence from an emerging economy. <i>Journal of Economic Behavior and Organization</i> , 2021, 192, 176-198. | 2.0 | 8 |
| 71 | Genomics- and Metabolomics-Based Investigation of the Deep-Sea Sediment-Derived Yeast, <i>Rhodotorula mucilaginosa</i> 50-3-19/20B. <i>Marine Drugs</i> , 2021, 19, 14. | 4.6 | 15 |
| 72 | Controlling GIDL Using Core-Shell Technique in Conventional Nano-Wire. <i>Lecture Notes in Electrical Engineering</i> , 2021, , 731-741. | 0.4 | 0 |

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| 73 | Mutational hotspots of HSP47 and its potential role in cancer and bone-disorders. Genomics, 2020, 112, 552-566. | 2.9 | 0 |
| 74 | Determinants of firm-level investment in India: does size matter?. Macroeconomics and Finance in Emerging Market Economies, 2020, 13, 140-160. | 1.0 | 5 |
| 75 | Amperometric microsensor based on nanoporous gold for ascorbic acid detection in highly acidic biological extracts. Analytica Chimica Acta, 2020, 1095, 61-70. | 5.4 | 30 |
| 76 | Self-assembled protein/carbon nitride/sulfur hydrogel photocatalyst for highly selective solar chemical production. Materials Letters, 2020, 259, 126752. | 2.6 | 18 |
| 77 | Indian growth is not overestimated: Mr. Subramanian you got it wrong. Macroeconomics and Finance in Emerging Market Economies, 2020, 13, 29-52. | 1.0 | 1 |
| 78 | A hyper-elastic thermal aging constitutive model for rubber-like materials. Journal of Elastomers and Plastics, 2020, 52, 677-700. | 1.5 | 4 |
| 79 | First principle study of temperature-dependent spin transport in VSe2 monolayer. Applied Surface Science, 2020, 504, 144411. | 6.1 | 19 |
| 80 | Fullerene polymer film as a highly efficient photocatalyst for selective solar fuel production from CO ₂ . Journal of Applied Polymer Science, 2020, 137, 48536. | 2.6 | 10 |
| 81 | A decision confidence based multiuser MIMO cooperative spectrum sensing in CRNs. Physical Communication, 2020, 39, 100995. | 2.1 | 8 |
| 82 | An Analysis of Mechanical and Viscoelastic Behaviour of Nano-SiO ₂ Dispersed Epoxy Composites. Silicon, 2020, 12, 2465-2477. | 3.3 | 18 |
| 83 | A modified current injection load flow method under different load model of EV for distribution system. International Transactions on Electrical Energy Systems, 2020, 30, e12284. | 1.9 | 11 |
| 84 | Tunnelling magnetoresistance and spin filtration effect in functionalized graphene sheet with CrO ₂ as electrode: An ab-initio study. Journal of Magnetism and Magnetic Materials, 2020, 497, 166073. | 2.3 | 9 |
| 85 | A Nested-Iterative Newton-Raphson based Power Flow Formulation for Droop-based Islanded Microgrids. Electric Power Systems Research, 2020, 180, 106131. | 3.6 | 17 |
| 86 | Are Federated Cloud Sharing Systems Sustainable?: On Dynamic Sharing Markets and Their Stability. IEEE Transactions on Sustainable Computing, 2020, 5, 485-500. | 3.1 | 2 |
| 87 | Identification of Possible Liquefaction Zones Across Guwahati and Targets for Future Ground Improvement Ascertaining no Further Liquefaction of Such Zones. Geotechnical and Geological Engineering, 2020, 38, 1747-1772. | 1.7 | 2 |
| 88 | (Ba/Pb) _x Sr _{1-x} TiO ₃ based capacitive sensor with LaNiO ₃ electrode for higher tunability. Journal of Materials Science: Materials in Electronics, 2020, 31, 20387-20399. | 2.2 | 2 |
| 89 | Microencapsulated UV filter@ZIF-8 based sunscreens for broad spectrum UV protection. RSC Advances, 2020, 10, 34254-34260. | 3.6 | 11 |
| 90 | Ground motion prediction equation for north India, applicable for different site classes. Soil Dynamics and Earthquake Engineering, 2020, 139, 106425. | 3.8 | 7 |

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| 91 | Diverse CRISPR-Cas Complexes Require Independent Translation of Small and Large Subunits from a Single Gene. <i>Molecular Cell</i> , 2020, 80, 971-979.e7. | 9.7 | 27 |
| 92 | Seismic hazard assessment of the Shillong Plateau using a probabilistic approach. <i>Geomatics, Natural Hazards and Risk</i> , 2020, 11, 2210-2238. | 4.3 | 17 |
| 93 | Actin flow-dependent and -independent force transmission through integrins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 32413-32422. | 7.1 | 22 |
| 94 | SBOX under PVT variation. <i>Analog Integrated Circuits and Signal Processing</i> , 2020, 105, 73-82. | 1.4 | 2 |
| 95 | The diagnostic utility of rheumatoid factor and anticitrullinated protein antibody for rheumatoid arthritis in the Indian population. <i>Medical Journal Armed Forces India</i> , 2020, , . | 0.8 | 0 |
| 96 | Big Data based Adaptive Learning and Scope of Automation in Actionable Knowledge. , 2020, , . | | 0 |
| 97 | Preference-Based Privacy Markets. <i>IEEE Access</i> , 2020, 8, 146006-146026. | 4.2 | 6 |
| 98 | Hydrogen Sensing at Room Temperature Using Flame-Synthesized Palladium-Decorated Crumpled Reduced Graphene Oxide Nanocomposites. <i>ACS Sensors</i> , 2020, 5, 2344-2350. | 7.8 | 38 |
| 99 | Data Mining Visualization with the Impact of Nature Inspired Algorithms in Big Data. , 2020, , . | | 8 |
| 100 | Decline in Phytoplankton Biomass along Indian Coastal Waters due to COVID-19 Lockdown. <i>Remote Sensing</i> , 2020, 12, 2584. | 4.0 | 36 |
| 101 | Organic Heterojunction Devices Based on Phthalocyanines: A New Approach to Gas Chemosensing. <i>Sensors</i> , 2020, 20, 4700. | 3.8 | 40 |
| 102 | Trustworthy AI in the Age of Pervasive Computing and Big Data. , 2020, , . | | 29 |
| 103 | Comparing scientific productivity using Scopus and Web of Science (WoS): a case of Indian R&D laboratories. <i>Asian Journal of Technology Innovation</i> , 2020, , 1-13. | 2.8 | 2 |
| 104 | Characterization of the CAZy Repertoire from the Marine-Derived Fungus <i>Stemphylium lucomagnoense</i> in Relation to Saline Conditions. <i>Marine Drugs</i> , 2020, 18, 461. | 4.6 | 7 |
| 105 | Performance Analysis of Multi-Armed Bandit Based Resource Allocation Algorithms for D2D Communication Systems. , 2020, , . | | 1 |
| 106 | Molecular Engineering of Porphyrinâ€¢Tapes/Phthalocyanine Heterojunctions for a Highly Sensitive Ammonia Sensor. <i>Advanced Electronic Materials</i> , 2020, 6, 2000812. | 5.1 | 31 |
| 107 | A DSGE Model-Based Analysis of the Indian Slowdown. <i>Journal of International Commerce, Economics and Policy</i> , 2020, 11, 2050004. | 1.2 | 9 |
| 108 | Nucleate Pool Boiling Heat Transfer from High-Flux Tube with Dielectric Fluid HFE-7200. <i>Energies</i> , 2020, 13, 2313. | 3.1 | 10 |

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| 109 | A New Current Injection Based Power Flow Formulation. Electric Power Components and Systems, 2020, 48, 268-280. | 1.8 | 6 |
| 110 | Experimental Studies on Energy and Eigenvalue Based Spectrum Sensing Algorithms Using USRP Devices in OFDM Systems. Radio Science, 2020, 55, e2019RS006973. | 1.6 | 7 |
| 111 | Modulating the Electrical Properties of Organic Heterojunction Devices Based On Phthalocyanines for Ambipolar Sensors. ACS Sensors, 2020, 5, 1849-1857. | 7.8 | 31 |
| 112 | A Germline Mutation in the POT1 Gene Is a Candidate for Familial Non-Medullary Thyroid Cancer. Cancers, 2020, 12, 1441. | 3.7 | 24 |
| 113 | Day ahead scheduling of PHEVs and D&EESs in the presence of DGs in the distribution system. IET Electrical Systems in Transportation, 2020, 10, 170-184. | 2.4 | 8 |
| 114 | Investigation of Torsional Rod to Minimize Vibration in Automobile using ANSYS. , 2020, , . | | 0 |
| 115 | Microstructure, Texture and Mechanical Properties of Al-Mg-Si Alloy Processed by Multiaxial Compression. Journal of Materials Engineering and Performance, 2020, 29, 3876-3888. | 2.5 | 0 |
| 116 | Machine Learning and Big Data Implementation on Health Care data. , 2020, , . | | 12 |
| 117 | Design Response Spectra and Site Coefficients for Various Seismic Site Classes of Guwahati, India, Based on Extensive Ground Response Analyses. Geotechnical and Geological Engineering, 2020, 38, 6255-6280. | 1.7 | 6 |
| 118 | FFT&EBased Multiband Spectrum Sensing in SIMO In&Eband Full&EDuplex Cognitive Radio Networks. Radio Science, 2020, 55, e2019RS006974. | 1.6 | 2 |
| 119 | Synthesis and tunable microwave absorption characteristics of flower-like Ni/SiC composites. Journal of Magnetism and Magnetic Materials, 2020, 503, 166616. | 2.3 | 30 |
| 120 | Excitons in 2D perovskites for ultrafast terahertz photonic devices. Science Advances, 2020, 6, eaax8821. | 10.3 | 95 |
| 121 | Improved microwave absorption behavioral response of Ni/SiC and Ni/SiC/graphene composites: A comparative insight. Journal of Alloys and Compounds, 2020, 823, 153780. | 5.5 | 37 |
| 122 | An Electrochemically Synthesized Nanoporous Copper Microsensor for Highly Sensitive and Selective Determination of Glyphosate. ChemElectroChem, 2020, 7, 1558-1566. | 3.4 | 28 |
| 123 | Machine Learning Methods for Herschel&E Bulkley Fluids in Annulus: Pressure Drop Predictions and Algorithm Performance Evaluation. Applied Sciences (Switzerland), 2020, 10, 2588. | 2.5 | 18 |
| 124 | Frequency&E Agile Temporal Terahertz Metamaterials. Advanced Optical Materials, 2020, 8, 2000101. | 7.3 | 32 |
| 125 | A test-suite of non-convex constrained optimization problems from the real-world and some baseline results. Swarm and Evolutionary Computation, 2020, 56, 100693. | 8.1 | 223 |
| 126 | Submonolayer Quantum Dots in P-i-P configuration: Study on effects of monolayer coverage and stacking variations. , 2020, , . | | 2 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 127 | When Are Cyber Blackouts in Modern Service Networks Likely?. ACM Transactions on Management Information Systems, 2020, 11, 1-38. | 2.8 | 5 |
| 128 | A novel hybrid approach of SVM combined with NLP and probabilistic neural network for email phishing. International Journal of Electrical and Computer Engineering, 2020, 10, 486. | 0.7 | 28 |
| 129 | Helicobacter pylori Reactivates Human Immunodeficiency Virus-1 in Latently Infected Monocytes with Increased Expression of IL-1 β and CXCL8. Current Genomics, 2020, 20, 556-568. | 1.6 | 3 |
| 130 | Applications of Machine Learning in miRNA Discovery and Target Prediction. Current Genomics, 2020, 20, 537-544. | 1.6 | 19 |
| 131 | TEN in a Case of SLE - A case based review. Indian Journal of Rheumatology, 2020, 15, 56. | 0.4 | 1 |
| 132 | Determination of path attenuation and site characteristics of the North-west Himalayan region and adjoining regions within the Indian Territory using Generalized inversion method. Annals of Geophysics, 2020, 63, . | 1.0 | 4 |
| 133 | Frequency-Based RO-PUF. Advances in Computational Intelligence and Robotics Book Series, 2020, , 252-261. | 0.4 | 0 |
| 134 | Green light emission in CsPbBr ₃ quantum dots: theoretical and experimental insight. , 2020, , . | | 1 |
| 135 | Optimization of strain-coupled InAs QD layers in P-i-P infrared photodetector heterostructures. , 2020, , . | | 0 |
| 136 | Structural, electronic, and optical properties of type II heterostructure based on WS ₂ /black phosphorene. , 2020, , . | | 0 |
| 137 | Sensing multimedia contexts on mobile devices. , 2020, , . | | 3 |
| 138 | A self-adaptive spherical search algorithm for real-world constrained optimization problems. , 2020, , . | | 35 |
| 139 | Neural Network Based Joint Carrier Frequency Offset and Sampling frequency Offset Estimation and Compensation in MIMO OFDM-OQAM Systems. , 2020, , . | | 4 |
| 140 | Outage Analysis of D2D-based Ultra-Reliable Low Latency Communication System under Nakagami-m Fading Channel. , 2020, , . | | 2 |
| 141 | High Level Transformation Techniques for Designing Reliable and Secure DSP Architectures. Advances in Computational Intelligence and Robotics Book Series, 2020, , 164-174. | 0.4 | 1 |
| 142 | 40-GHz Inductor Less VCO. Advances in Computational Intelligence and Robotics Book Series, 2020, , 288-298. | 0.4 | 0 |
| 143 | Comparison of intra articular autologous platelet-rich plasma with steroids in osteoarthritis knee: Experience from a North Indian tertiary care center. Indian Journal of Rheumatology, 2020, 15, 165. | 0.4 | 2 |
| 144 | Connected Component Analysis with RNN for Performing Secured Data Management with Hidden Data in Finger Prints. Journal of Advanced Research in Dynamical and Control Systems, 2020, 12, 601-608. | 0.2 | 0 |

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| 145 | Experimental and theoretical investigation of Mn-doped CsPbCl ₃ with orange light emission. , 2020, , . | | 0 |
| 146 | Effect of corner radius on a single corner nanostructure for investigating SERS based chemical sensors. , 2020, , . | | 0 |
| 147 | Enhanced optical performance through growth strategy in coupled InAs P-i-P QDIPs. , 2020, , . | | 0 |
| 148 | Modelling and optimization of different plasmonic nanostructures for application in infrared region. , 2020, , . | | 0 |
| 149 | Smartphone Confrontational Applications and Security Issues. International Journal of Risk and Contingency Management, 2020, 9, 1-18. | 0.2 | 12 |
| 150 | Texture Recognition Using Gabor Filter for Extracting Feature Vectors With the Regression Mining Algorithm. International Journal of Risk and Contingency Management, 2020, 9, 31-44. | 0.2 | 15 |
| 151 | A modified covariance matrix adaptation evolution strategy for real-world constrained optimization problems. , 2020, , . | | 23 |
| 152 | Temperature dependent spin transport investigations in single layer VTe ₂ . Journal of Alloys and Compounds, 2019, 770, 345-349. | 5.5 | 12 |
| 153 | Synthesis, growth mechanisms, and applications of palladium-based nanowires and other one-dimensional nanostructures. Nanoscale, 2019, 11, 19058-19085. | 5.6 | 60 |
| 154 | Nested backward/forward sweep algorithm for power flow analysis of droop regulated islanded microgrids. IET Generation, Transmission and Distribution, 2019, 13, 3086-3095. | 2.5 | 25 |
| 155 | Testing A Multi-Operator based Differential Evolution Algorithm on the 100-Digit Challenge for Single Objective Numerical Optimization. , 2019, , . | | 9 |
| 156 | Filamin A mediates isotropic distribution of applied force across the actin network. Journal of Cell Biology, 2019, 218, 2481-2491. | 5.2 | 31 |
| 157 | Experimental Studies on Energy / Eigenvalue based Spectrum Sensing Algorithms using USRP Devices in OFDM Systems. , 2019, , . | | 1 |
| 158 | A comparative screening of abiotic stress tolerance in early flowering rice mutants. Journal of Biotechnology, 2019, 302, 112-122. | 3.8 | 21 |
| 159 | Whole Genome Sequencing of Familial Non-Medullary Thyroid Cancer Identifies Germline Alterations in MAPK/ERK and PI3K/AKT Signaling Pathways. Biomolecules, 2019, 9, 605. | 4.0 | 27 |
| 160 | Efficient and methanol resistant noble metal free electrocatalyst for tetraelectronic oxygen reduction reaction. Electrochimica Acta, 2019, 326, 134984. | 5.2 | 14 |
| 161 | A 2.35 GHz Cross-Talk Canceller for 2 \times 2 MIMO Full-Duplex Wireless System. , 2019, , . | | 2 |
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