Abhishek Kumar

List of Publications by Year
in descending order

391 papers	8,027 citations	61984 43 h-index	98798 67 g-index
415 all docs	415 docs citations	415 times ranked	9286 citing authors

#	Article	IF	Citations
1	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
2	Talin tension sensor reveals novel features of focal adhesion force transmission and mechanosensitivity. Journal of Cell Biology, 2016, 213, 371-383.	5.2	205
3	Highly Selective Solar-Driven Methanol from CO_2 by a Photocatalyst/Biocatalyst Integrated System. Journal of the American Chemical Society, 2014, 136, 16728-16731.	13.7	194
4	Chalcogenide Phase Change Material for Active Terahertz Photonics. Advanced Materials, 2019, 31, e1808157.	21.0	159
5	Synergistic Effects of Heavy Metals and Pesticides in Living Systems. Frontiers in Chemistry, 2017, 5, 70.	3.6	152
6	A highly efficient covalent organic framework film photocatalyst for selective solar fuel production from CO_2. Journal of Materials Chemistry A, 2016, 4, 9413-9418.	10.3	148
7	MoS_2 for Ultrafast All‐Optical Switching and Modulation of THz Fano Metaphotonic Devices. Advanced Optical Materials, 2017, 5, 1700762.	7.3	146
8	Hybrid Lead Halide Perovskites for Ultrasensitive Photoactive Switching in Terahertz Metamaterial Devices. Advanced Materials, 2017, 29, 1605881.	21.0	140
9	Gallium-68-DOTA-NOC PET/CT of Patients With Gastroenteropancreatic Neuroendocrine Tumors: A Prospective Single-Center Study. American Journal of Roentgenology, 2011, 197, 1221-1228.	2.2	122
10	Improving the local search capability of Effective Butterfly Optimizer using Covariance Matrix Adapted Retreat Phase. , 2017, , .		116
11	The regulation of dynamic mechanical coupling between actin cytoskeleton and nucleus by matrix geometry. Biomaterials, 2014, 35, 961-969.	11.4	113
12	Ultrafast All‐Optical Switching of Germanium‐Based Flexible Metaphotonic Devices. Advanced Materials, 2018, 30, 1705331.	21.0	111
13	Graphene–BODIPY as a photocatalyst in the photocatalytic–biocatalytic coupled system for solar fuel production from CO2. Journal of Materials Chemistry A, 2014, 2, 5068.	10.3	99
14	Copper@ZIF‐8 Core‐Shell Nanowires for Reusable Antimicrobial Face Masks. Advanced Functional Materials, 2021, 31, 2008054.	14.9	98
15	Seismic Site Classification and Correlation between Standard Penetration Test N Value and Shear Wave Velocity for Lucknow City in Indo-Gangetic Basin. Pure and Applied Geophysics, 2013, 170, 299-318.	1.9	97
16	Excitons in 2D perovskites for ultrafast terahertz photonic devices. Science Advances, 2020, 6, eaax8821.	10.3	95
17	18F-FDOPA PET/CT for detection of recurrence in patients with glioma: prospective comparison with 18F-FDG PET/CT. European Journal of Nuclear Medicine and Molecular Imaging, 2013, 40, 1025-1035.	6.4	93
18	Ultrafast charge transfer coupled with lattice phonons in two-dimensional covalent organic frameworks. Nature Communications, 2019, 10, 1873.	12.8	93

#	Article	IF	Citations
19	Ground motion prediction equation considering combined dataset of recorded and simulated ground motions. Soil Dynamics and Earthquake Engineering, 2013, 53, 92-108.	3.8	88
20	A Benchmark-Suite of real-World constrained multi-objective optimization problems and some baseline results. Swarm and Evolutionary Computation, 2021, 67, 100961.	8.1	86
21	The Genome and Development-Dependent Transcriptomes of Pyronema confluens: A Window into Fungal Evolution. PLoS Genetics, 2013, 9, e1003820.	3.5	85
22	ANALYSIS OF FREQUENCY SELECTIVE SURFACES FOR RADAR ABSORBING MATERIALS. Progress in Electromagnetics Research B, 2012, 38, 297-314.	1.0	84
23	Solution‐Processed Lead Iodide for Ultrafast All‐Optical Switching of Terahertz Photonic Devices. Advanced Materials, 2019, 31, e1901455.	21.0	81
24	Correlated Spatio-Temporal Fluctuations in Chromatin Compaction States Characterize Stem Cells. Biophysical Journal, 2013, 104, 553-564.	0.5	73
25	Current Strategies for Inhibition of Chikungunya Infection. Viruses, 2018, 10, 235.	3.3	72
26	Transcriptome sequencing and de novo annotation of the critically endangered Adriatic sturgeon. BMC Genomics, 2013, 14, 407.	2.8	71
27	Effect of milling on dielectric and microwave absorption properties of SiC based composites. Ceramics International, 2014, 40, 1797-1806.	4.8	66
28	Facile One-Pot Two-Step Synthesis of Novel in Situ Selenium-Doped Carbon Nitride Nanosheet Photocatalysts for Highly Enhanced Solar Fuel Production from CO_2. ACS Applied Nano Materials, 2018, 1, 47-54.	5.0	62
29	Sequencing, De Novo Assembly and Annotation of the Colorado Potato Beetle, Leptinotarsa decemlineata, Transcriptome. PLoS ONE, 2014, 9, e86012.	2.5	60
30	Synthesis, growth mechanisms, and applications of palladium-based nanowires and other one-dimensional nanostructures. Nanoscale, 2019, 11, 19058-19085.	5.6	60
31	Actomyosin contractility rotates the cell nucleus. Scientific Reports, 2014, 4, 3781.	3.3	59
32	Correlating surface growth of nanoporous gold with electrodeposition parameters to optimize amperometric sensing of nitrite. Sensors and Actuators B: Chemical, 2018, 263, 237-247.	7.8	55
33	The spherical search algorithm for bound-constrained global optimization problems. Applied Soft Computing Journal, 2019, 85, 105734.	7.2	55
34	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
35	Investigation of the structural, electronic, and optical properties of Mn-doped $CsPbCl_3$: theory and experiment. RSC Advances, 2019, 9, 29556-29565.	3.6	52
36	Phthalocyanines based QCM sensors for aromatic hydrocarbons monitoring: Role of metal atoms and substituents on response to toluene. Sensors and Actuators B: Chemical, 2016, 230, 320-329.	7.8	51

#	Article	IF	Citations
37	Topological sensor on a silicon chip. Applied Physics Letters, 2022, 121, .	3.3	51
38	Functionalized Graphene Quantum Dots as Efficient Visible‑Light Photocatalysts for Selective Solar Fuel Production from CO_2. ChemCatChem, 2016, 8, 3389-3393.	3.7	49
39	A Perspective on Recent Advances in Phosphorene Functionalization and Its Applications in Devices. European Journal of Inorganic Chemistry, 2019, 2019, 1476-1494.	2.0	49
40	68Ga-DOTANOC PET/CT in Patients With Carcinoma of Unknown Primary of Neuroendocrine Origin. Clinical Nuclear Medicine, 2012, 37, 245-251.	1.3	48
41	Comparative diagnostic accuracy of contrast-enhanced MRI and 18F-FDOPA PET-CT in recurrent glioma. European Radiology, 2013, 23, 2628-2635.	4.5	48
42	Fracture properties of nanographene reinforced EPON 862 thermoset polymer system. Composites Science and Technology, 2015, 114, 87-93.	7.8	48
43	Active Ultrahigh‑Q (0.2×10^6) THz Topological Cavities on a Chip. Advanced Materials, 2022, 34, e2202370.	21.0	48
44	Seismic hazard analysis of Lucknow considering local and active seismic gaps. Natural Hazards, 2013, 69, 327-350.	3.4	47
45	EFFECT OF PARTICLE SIZE OF $BaFe_{12}O_{19}$ ON THE MICROWAVE ABSORPTION CHARACTERISTICS IN X-BAND. Progress in Electromagnetics Research M, 2013, 29, 223-236.	0.9	47
46	Influence of membrane cholesterol in the molecular evolution and functional regulation of TRPV4. Biochemical and Biophysical Research Communications, 2015, 456, 312-319.	2.1	47
47	Organic Heterojunction Devices Based on Phthalocyanines: A New Approach to Gas Chemosensing. Sensors, 2020, 20, 4700.	3.8	40
48	Improving tensile and flexural properties of SiO2-epoxy polymer nanocomposite. Materials Today: Proceedings, 2018, 5, 6339-6344.	1.8	39
49	Interfacially synthesized 2D COF thin film photocatalyst: efficient photocatalyst for solar formic acid production from CO_2 and fine chemical synthesis. Journal of Materials Chemistry A, 2021, 9, 9573-9580.	10.3	39
50	Influence of Zn dispersion in SiC on electromagnetic wave absorption characteristics. Journal of Alloys and Compounds, 2018, 738, 448-460.	5.5	38
51	Hydrogen Sensing at Room Temperature Using Flame-Synthesized Palladium-Decorated Crumpled Reduced Graphene Oxide Nanocomposites. ACS Sensors, 2020, 5, 2344-2350.	7.8	38
52	Microwave absorbing behavior of metal dispersed TiO2 nanocomposites. Advanced Powder Technology, 2014, 25, 483-489.	4.1	37
53	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
54	Obtaining the surface PGA from site response analyses based on globally recorded ground motions and matching with the codal values. Natural Hazards, 2016, 81, 543-572.	3.4	36

#	Article	IF	Citations
55	Thermo-mechanical behavior of TiO2 dispersed epoxy composites. Engineering Fracture Mechanics, 2017, 184, 241-248.	4.3	36
56	Double layer microwave absorber based on Cu dispersed SiC composites. Advanced Powder Technology, 2018, 29, 2019-2026.	4.1	36
57	Decline in Phytoplankton Biomass along Indian Coastal Waters due to COVID-19 Lockdown. Remote Sensing, 2020, 12, 2584.	4.0	36
58	Quenching Dynamics in CdSe Nanoparticles: Surface-Induced Defects upon Dilution.. ACS Nano, 2012, 6, 9033-9041.	14.6	35
59	A self-adaptive spherical search algorithm for real-world constrained optimization problems. , 2020, , .		35
60	De Novo Assembly and Genome Analyses of the Marine-Derived Scopulariopsis brevicaulis Strain LF580 Unravels Life-Style Traits and Anticancerous Scopularide Biosynthetic Gene Cluster. PLoS ONE, 2015, 10, e0140398.	2.5	34
61	Structural basis of autoregulatory scaffolding by apoptosis signal-regulating kinase 1. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E2096-E2105.	7.1	34
62	Seismic source characterization for the Shillong Plateau in Northeast India. Journal of Seismology, 2017, 21, 1229-1249.	1.3	34
63	ShRNA-mediated knock-down of CXCL8 inhibits tumor growth in colorectal liver metastasis. Biochemical and Biophysical Research Communications, 2018, 500, 731-737.	2.1	34
64	Characterization of mixed mode fracture properties of nanographene reinforced epoxy and Mode I delamination of its carbon fiber composite. Composites Part B: Engineering, 2018, 134, 98-105.	12.0	34
65	Application of Biological Domain Knowledge Based Feature Selection on Gene Expression Data. Entropy, 2021, 23, 2.	2.2	34
66	Wavelet transform based novel edge detection algorithms for wideband spectrum sensing in CRNs. AEU - International Journal of Electronics and Communications, 2018, 84, 100-110.	2.9	32
67	Genome-wide identification, classification and expression of lipoxygenase gene family in pepper. Plant Molecular Biology, 2018, 98, 375-387.	3.9	32
68	Frequency‐Agile Temporal Terahertz Metamaterials. Advanced Optical Materials, 2020, 8, 2000101.	7.3	32
69	An Organoselenium-Based Highly Sensitive and Selective Fluorescent â€œTurn-Onâ€•Probe for the Hg^{2+} Ion. Inorganic Chemistry, 2012, 51, 772-774.	4.0	31
70	Seismic hazard assessment of the Shillong Plateau, India. Geomatics, Natural Hazards and Risk, 2018, 9, 841-861.	4.3	31
71	Filamin A mediates isotropic distribution of applied force across the actin network. Journal of Cell Biology, 2019, 218, 2481-2491.	5.2	31
72	MKL1-actin pathway restricts chromatin accessibility and prevents mature pluripotency activation. Nature Communications, 2019, 10, 1695.	12.8	31

#	Article	IF	Citations
73	Molecular Engineering of Porphyrinâ€Tapes/Phthalocyanine Heterojunctions for a Highly Sensitive Ammonia Sensor. Advanced Electronic Materials, 2020, 6, 2000812.	5.1	31
74	Modulating the Electrical Properties of Organic Heterojunction Devices Based On Phthalocyanines for Ambipolar Sensors. ACS Sensors, 2020, 5, 1849-1857.	7.8	31
75	Can 18F-FDOPA PET/CT predict survival in patients with suspected recurrent glioma? A prospective study. European Journal of Radiology, 2014, 83, 219-225.	2.6	30
76	Familial Cancer Variant Prioritization Pipeline version 2 (FCVPPv2) applied to a papillary thyroid cancer family. Scientific Reports, 2018, 8, 11635.	3.3	30
77	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
78	Synthesis and tunable microwave absorption characteristics of flower-like Ni/SiC composites. Journal of Magnetism and Magnetic Materials, 2020, 503, 166616.	2.3	30
79	Spliceosomal Intron Insertions in Genome Compacted Ray-Finned Fishes as Evident from Phylogeny of MC Receptors, Also Supported by a Few Other GPCRs. PLoS ONE, 2011, 6, e22046.	2.5	30
80	Efficacy of topical application of beta urogastrone (recombinant human epidermal growth factor) in Wagnerâ€²s Grade 1 and 2 diabetic foot ulcers: Comparative analysis of 50 patients. Journal of Natural Science, Biology and Medicine, 2014, 5, 273.	1.0	30
81	xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">C</mml:mi><mml:msub><mml:mi mathvariant="normal">o</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi>FeAl</mml:mi><mml:mo>/</mml:mo><mml:mi>Mo mathvariant="normal">S</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> heterostructure: Ferromagnetic resonance experiment and theory. Physical Review B, 2018, 98, .	3.2	29
82	Trustworthy AI in the Age of Pervasive Computing and Big Data. , 2020, , .		29
83	Ultrafast Photoâ€Thermal Switching of Terahertz Spin Currents. Advanced Functional Materials, 2021, 31, 2010453.	14.9	29
84	New Carbon Nanodotsâ€Silica Hybrid Photocatalyst for Highly Selective Solar Fuel Production from CO_2. ChemCatChem, 2017, 9, 3153-3159.	3.7	28
85	An Electrochemically Synthesized Nanoporous Copper Microsensor for Highly Sensitive and Selective Determination of Glyphosate. ChemElectroChem, 2020, 7, 1558-1566.	3.4	28
86	Terahertz MEMS metadevices. Journal of Micromechanics and Microengineering, 2021, 31, 113001.	2.6	28
87	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
88	STK35L1 Associates with Nuclear Actin and Regulates Cell Cycle and Migration of Endothelial Cells. PLoS ONE, 2011, 6, e16249.	2.5	28
89	Preferential selection of Arginine at the lipid-water-interface of TRPV1 during vertebrate evolution correlates with its snorkeling behaviour and cholesterol interaction. Scientific Reports, 2017, 7, 16808.	3.3	27
90	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

#	Article	IF	Citations
91	Diverse CRISPR-Cas Complexes Require Independent Translation of Small and Large Subunits from a Single Gene. Molecular Cell, 2020, 80, 971-979.e7.	9.7	27
92	Nanoporous Goldâ€Based Materials for Electrochemical Energy Storage and Conversion. Energy Technology, 2021, 9, 2000927.	3.8	26
93	Tuning of organic heterojunction conductivity by the substituentsâ€™ electronic effects in phthalocyanines for ambipolar gas sensors. Sensors and Actuators B: Chemical, 2021, 332, 129505.	7.8	26
94	Conservation of Tubulin-Binding Sequences in TRPV1 throughout Evolution. PLoS ONE, 2012, 7, e31448.	2.5	26
95	Identification of the Scopularide Biosynthetic Gene Cluster in Scopulariopsis brevicaulis. Marine Drugs, 2015, 13, 4331-4343.	4.6	25
96	Genome Sequencing and analyses of Two Marine Fungi from the North Sea Unraveled a Plethora of Novel Biosynthetic Gene Clusters. Scientific Reports, 2018, 8, 10187.	3.3	25
97	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
98	Molecular Phylogeny of OVOL Genes Illustrates a Conserved C2H2 Zinc Finger Domain Coupled by Hypervariable Unstructured Regions. PLoS ONE, 2012, 7, e39399.	2.5	25
99	Palladium Nanosheet-Based Dual Gas Sensors for Sensitive Room-Temperature Hydrogen and Carbon Monoxide Detection. ACS Sensors, 2022, 7, 225-234.	7.8	25
100	A Germline Mutation in the POT1 Gene Is a Candidate for Familial Non-Medullary Thyroid Cancer. Cancers, 2020, 12, 1441.	3.7	24
101	Ancestry and evolution of a secretory pathway serpin. BMC Evolutionary Biology, 2008, 8, 250.	3.2	23
102	Sequence, phylogenetic and variant analyses of antithrombin III. Biochemical and Biophysical Research Communications, 2013, 440, 714-724.	2.1	23
103	Nonlinear soil response to ground motions during different earthquakes in Nepal, to arrive at surface response spectra. Natural Hazards, 2017, 87, 13-33.	3.4	23
104	Effect of heat treatment on morphology and microwave absorption behavior of milled SiC. Journal of Alloys and Compounds, 2019, 772, 1017-1023.	5.5	23
105	Power Flow Analysis of Islanded Microgrids: A Differential Evolution Approach. IEEE Access, 2021, 9, 61721-61738.	4.2	23
106	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
107	A modified covariance matrix adaptation evolution strategy for real-world constrained optimization problems. , 2020, , .		23
108	Topological integrated circuits for 5G and 6G. Nature Electronics, 2022, 5, 261-262.	26.0	23

#	Article	IF	Citations
109	Estimation of design basis earthquake using region-specific Mmax, for the NPP site at Kalpakkam, Tamil Nadu, India. Nuclear Engineering and Design, 2013, 259, 41-64.	1.7	22
110	Revisiting the electronic properties of Molecular Semiconductor â€" Doped Insulator (MSDI) heterojunctions through impedance and chemosensing studies. Organic Electronics, 2015, 26, 345-354.	2.6	22
111	Analog and RF performance of a multigate FinFET at nano scale. Superlattices and Microstructures, 2016, 100, 1073-1080.	3.1	22
112	Polarization-Tailored Fano Interference in Plasmonic Crystals: A Mueller Matrix Model of Anisotropic Fano Resonance. ACS Nano, 2017, 11, 1641-1648.	14.6	22
113	Linguistic Lyapunov reinforcement learning control for robotic manipulators. Neurocomputing, 2018, 272, 84-95.	5.9	22
114	Mechanical behavior of 304 Austenitic stainless steel processed by cryogenic rolling. Materials Today: Proceedings, 2018, 5, 16880-16886.	1.8	22
115	Colorâ€Sensitive Ultrafast Optical Modulation and Switching of Terahertz Plasmonic Devices. Advanced Optical Materials, 2018, 6, 1800030.	7.3	22
116	Correlating Selective Electrocatalysis of Dopamine and Ascorbic Acid Electrooxidation at Nanoporous Gold Surfaces with Structural-Defects. Journal of the Electrochemical Society, 2019, 166, H704-H711.	2.9	22
117	Actin flow-dependent and -independent force transmission through integrins. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 32413-32422.	7.1	22
118	Highly Improved Solar Energy Harvesting for Fuel Production from CO_2 by a Newly Designed Graphene Film Photocatalyst. Scientific Reports, 2018, 8, 16741.	3.3	21
119	A comparative screening of abiotic stress tolerance in early flowering rice mutants. Journal of Biotechnology, 2019, 302, 112-122.	3.8	21
120	Fuzzy Lyapunov Reinforcement Learning for Non Linear Systems. ISA Transactions, 2017, 67, 151-159.	5.7	20
121	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
122	Current injectionâ€based Newtonâ€"Raphson powerâ€flow algorithm for droopâ€based islanded microgrids. IET Generation, Transmission and Distribution, 2019, 13, 5271-5283.	2.5	19
123	First principle study of temperature-dependent spin transport in VSe2 monolayer. Applied Surface Science, 2020, 504, 144411.	6.1	19
124	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
125	Applications of Machine Learning in miRNA Discovery and Target Prediction. Current Genomics, 2020, 20, 537-544.	1.6	19
126	Prospective Comparison of 99mTc-GH SPECT/CT and 18F-FDOPA PET/CT for Detection of Recurrent Glioma. Clinical Nuclear Medicine, 2014, 39, e121-e128.	1.3	18

#	Article	IF	Citations
127	Commercialization of Bacterial Cell Factories for the Sustainable Production of Polyhydroxyalkanoate Thermoplastics: Progress and Prospects. Recent Patents on Biotechnology, 2015, 9, 4-21.	0.8	18
128	Newly Developed MATLAB Based Code for Equivalent Linear Site Response Analysis. Geotechnical and Geological Engineering, 2017, 35, 2303-2325.	1.7	18
129	Effect of particle size on mixed-mode fracture of nanographene reinforced epoxy and mode I delamination of its carbon fiber composite. Composite Structures, 2017, 181, 1-8.	5.8	18
130	Development of Coatings for Radar Absorbing Materials at X-band. IOP Conference Series: Materials Science and Engineering, 2018, 330, 012006.	0.6	18
131	Enhanced Magnetoresistance in In-Plane Monolayer MoS_2 with CrO_2 Electrodes. Journal of Superconductivity and Novel Magnetism, 2018, 31, 3245-3250.	1.8	18
132	First Principle Study of Temperature-Dependent Magnetoresistance and Spin Filtration Effect in WS_2 Nanoribbon. ACS Applied Materials & Interfaces, 2019, 11, 39248-39253.	8.0	18
133	Self-assembled protein/carbon nitride/sulfur hydrogel photocatalyst for highly selective solar chemical production. Materials Letters, 2020, 259, 126752.	2.6	18
134	An Analysis of Mechanical and Viscoelastic Behaviour of Nano-SiO_2 Dispersed Epoxy Composites. Silicon, 2020, 12, 2465-2477.	3.3	18
135	Machine Learning Methods for Herschel–Bulkley Fluids in Annulus: Pressure Drop Predictions and Algorithm Performance Evaluation. Applied Sciences (Switzerland), 2020, 10, 2588.	2.5	18
136	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
137	Electromechanically Tunable Frequency–agile Metamaterial Bandpass Filters for Terahertz Waves. Advanced Optical Materials, 2022, 10, 2101544.	7.3	18
138	Toxicity of aqueous extract of Euphorbia tirucalli latex on catfish, Heteropneustes fossilis. Ecotoxicology and Environmental Safety, 2010, 73, 1671-1673.	6.0	17
139	Botanical pesticide, azadirachtin attenuates blood electrolytes of a freshwater catfish Heteropneustes fossilis. Pesticide Biochemistry and Physiology, 2011, 99, 170-173.	3.6	17
140	Revising angiotensinogen from phylogenetic and genetic variants perspectives. Biochemical and Biophysical Research Communications, 2014, 446, 504-518.	2.1	17
141	Nanoporous gold-based dopamine sensor with sensitivity boosted by interferant ascorbic acid. Electrochimica Acta, 2019, 322, 134772.	5.2	17
142	A Double Threshold-Based Cooperative Spectrum Sensing With Novel Hard-Soft Combining Over Fading Channels. IEEE Wireless Communications Letters, 2019, 8, 1154-1158.	5.0	17
143	A Nested-Iterative Newton-Raphson based Power Flow Formulation for Droop-based Islanded Microgrids. Electric Power Systems Research, 2020, 180, 106131.	3.6	17
144	Seismic hazard assessment of the Shillong Plateau using a probabilistic approach. Geomatics, Natural Hazards and Risk, 2020, 11, 2210-2238.	4.3	17

#	Article	IF	Citations
145	Reduced Graphene Oxide-Wrapped Palladium Nanowires Coated with a Layer of Zeolitic Imidazolate Framework-8 for Hydrogen Sensing. ACS Applied Nano Materials, 2021, 4, 8081-8093.	5.0	17
146	Mechanical Force Alters Morphogenetic Movements and Segmental Gene Expression Patterns during Drosophila Embryogenesis. PLoS ONE, 2012, 7, e33089.	2.5	17
147	Systematic design and development of a flexible wheel for low mass lunar rover. Journal of Terramechanics, 2018, 76, 39-52.	3.1	16
148	Usage of formal financial services in India: Demand barriers or supply constraints?. Economic Modelling, 2019, 80, 244-259.	3.8	16
149	A Ï…-Constrained Matrix Adaptation Evolution Strategy With Broyden-Based Mutation for Constrained Optimization. IEEE Transactions on Cybernetics, 2022, 52, 4784-4796.	9.5	16
150	Facile one-pot synthesis of PdM (M = Ag, Ni, Cu, Y) nanowires for use in mixed matrix membranes for efficient hydrogen separation. Journal of Materials Chemistry A, 2021, 9, 12755-12762.	10.3	16
151	Effect of Mg Substitution on Microwave Absorption of $BaFe_{12}O_{19}$. Advanced Materials Research, 0, 585, 62-66.	0.3	15
152	Acto-Myosin Contractility Rotates the Cell Nucleus. Biophysical Journal, 2013, 104, 583a.	0.5	15
153	Why individual thermo sensation and pain perception varies? Clue of disruptive mutations in TRPVs from 2504 human genome data. Channels, 2016, 10, 339-345.	2.8	15
154	Genomics- and Metabolomics-Based Investigation of the Deep-Sea Sediment-Derived Yeast, Rhodotorula mucilaginosa 50-3-19/20B. Marine Drugs, 2021, 19, 14.	4.6	15
155	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
156	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
157	Interaction of Twisted Intramolecular Charge-Transfer Probe Loaded Silver Nanoparticles with the Hydrophobic Nanocavities of Cyclodextrins. Journal of Physical Chemistry C, 2010, 114, 19635-19640.	3.1	14
158	Liquefaction Hazard Mapping of Lucknow. International Journal of Geotechnical Earthquake Engineering, 2013, 4, 17-41.	0.6	14
159	Proteomic Analysis of Anti-Cancerous Scopularide Production by a Marine Microascus brevicaulis Strain and Its UV Mutant. PLoS ONE, 2015, 10, e0140047.	2.5	14
160	Impact of Higher Frequency Content of Input Motion Upon Equivalent Linear Site Response Analysis for the Study Area of Delhi. Geotechnical and Geological Engineering, 2017, 35, 959-981.	1.7	14
161	Differential Impact of Anniversary-Severe Cyclones on the Water Quality of a Tropical Coastal Lagoon. Estuaries and Coasts, 2017, 40, 317-342.	2.2	14
162	Efficient and methanol resistant noble metal free electrocatalyst for tetraelectronic oxygen reduction reaction. Electrochimica Acta, 2019, 326, 134984.	5.2	14

#	Article	IF	Citations
163	STM study of exfoliated few layer black phosphorus annealed in ultrahigh vacuum. 2D Materials, 2019, 6, 015005.	4.4	14
164	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
165	Prestressed Nuclear Organization in Living Cells. Methods in Cell Biology, 2010, 98, 221-239.	1.1	13
166	Modeling of anomalous moisture diffusion in nanographene reinforced thermoset polymers. Composite Structures, 2015, 122, 1-7.	5.8	13
167	Dynamic interaction between actin and nesprin2 maintain the cell nucleus in a prestressed state. Methods and Applications in Fluorescence, 2016, 4, 044008.	2.3	13
168	Active monetary policy and the slowdown: Evidence from DSGE based Indian aggregate demand and supply. Journal of Economic Asymmetries, 2018, 17, 21-40.	3.5	13
169	Inâ€¦Situ Prepared Flexible 3D Polymer Film Photocatalyst for Highly Selective Solar Fuel Production from CO_2. ChemCatChem, 2018, 10, 2024-2029.	3.7	13
170	A cannabidiol-loaded Mg-gallate metalâ€"organic framework-based potential therapeutic for glioblastomas. Journal of Materials Chemistry B, 2021, 9, 2505-2514.	5.8	13
171	Sketching an AI Marketplace: Tech, Economic, and Regulatory Aspects. IEEE Access, 2021, 9, 13761-13774.	4.2	13
172	Bayesian phylogeny analysis of vertebrate serpins illustrates evolutionary conservation of the intron and indels based six groups classification system from lampreys for âˆ¼500 MY. PeerJ, 2015, 3, e1026.	2.0	13
173	Site Specific Ground Response Study of Deep Indo-Gangetic Basin Using Representative Regional Ground Motions. , 2012, , .		12
174	Representative seismic hazard map of Coimbatore, India. Engineering Geology, 2014, 171, 81-95.	6.3	12
175	An adaptive method for edge preserving denoising. , 2017, , .		12
176	Determination of NEHRP Site Class of Seismic Recording Stations in the Northwest Himalayas and Its Adjoining Area Using HVSR Method. Pure and Applied Geophysics, 2018, 175, 89-107.	1.9	12
177	Temperature dependent spin transport investigations in single layer VTe2. Journal of Alloys and Compounds, 2019, 770, 345-349.	5.5	12
178	Machine Learning and Big Data Implementation on Health Care data. , 2020, , .		12
179	Seismic source zonation for NE India on the basis of past EQs and spatial distribution of seismicity parameters. Journal of Seismology, 2021, 25, 1483-1506.	1.3	12
180	Pulmonary hypertension in a patient with hereditary haemorrhagic telangiectasia. BMJ Case Reports, 2013, 2013, bcr2012008352-bcr2012008352.	0.5	12

#	Article	IF	Citations
181	Smartphone Confrontational Applications and Security Issues. International Journal of Risk and Contingency Management, 2020, 9, 1-18.	0.2	12
182	Molecular phylogeny of C1 inhibitor depicts two immunoglobulin-like domains fusion in fishes and ray-finned fishes specific intron insertion after separation from zebrafish. Biochemical and Biophysical Research Communications, 2014, 450, 219-226.	2.1	11
183	Improved wavelet transform based edge detection for wide band spectrum sensing in Cognitive Radio. , 2016, , .		11
184	Ancestry & molecular evolutionary analyses of heat shock protein 47â€‰kDa (HSP47/SERPINH1). Scientific Reports, 2017, 7, 10394.	3.3	11
185	A 2.5-GHz CMOS Full-Duplex Front-End for Asymmetric Data Networks. IEEE Transactions on Circuits and Systems I: Regular Papers, 2018, 65, 3174-3185.	5.4	11
186	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
187	Microencapsulated UV filter@ZIF-8 based sunscreens for broad spectrum UV protection. RSC Advances, 2020, 10, 34254-34260.	3.6	11
188	Phase unbalance and PAR constrained optimal active and reactive power scheduling of Virtual Power Plants (VPPs). International Journal of Electrical Power and Energy Systems, 2021, 125, 106443.	5.5	11
189	Flame aerosol synthesis of hollow alumina nanoshells for application in thermal insulation. Chemical Engineering Journal, 2022, 428, 131273.	12.7	11
190	Germline Variants of CYBA and TRPM4 Predispose to Familial Colorectal Cancer. Cancers, 2022, 14, 670.	3.7	11
191	Interplay of electrode geometry and bias on charge transport in organic heterojunction gas sensors. Sensors and Actuators B: Chemical, 2022, 369, 132313.	7.8	11
192	Characterization of bud emergence 46 (BEM46) protein: Sequence, structural, phylogenetic and subcellular localization analyses. Biochemical and Biophysical Research Communications, 2013, 438, 526-532.	2.1	10
193	Genetic variants and evolutionary analyses of heparin cofactor II. Immunobiology, 2014, 219, 713-728.	1.9	10
194	A Digital Frequency Multiplication Technique for Energy Efficient Transmitters. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2015, 23, 781-785.	3.1	10
195	Coordinated effect of PHEVs with DGs on distribution network. International Transactions on Electrical Energy Systems, 2019, 29, e2800.	1.9	10
196	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
197	Nucleate Pool Boiling Heat Transfer from High-Flux Tube with Dielectric Fluid HFE-7200. Energies, 2020, 13, 2313.	3.1	10
198	Effect of Rainfall and Wet Road Condition on Road Crashes : A Critical Analysis. , 0, , .		9

#	Article	IF	Citations
199	Surveying genetic variants and molecular phylogeny of cerebral cavernous malformation gene, CCM3/PDCD10. Biochemical and Biophysical Research Communications, 2014, 455, 98-106.	2.1	9
200	PET/Computed Tomography in Neuroendocrine Tumor. PET Clinics, 2015, 10, 411-421.	3.0	9
201	An Adaptive Method of PCA for Minimization of Classification Error Using NaÃ¯ve Bayes Classifier. Procedia Computer Science, 2015, 70, 9-15.	2.0	9
202	Mechanical Behaviour of 304 Austenitic Stainless Steel Processed by Room Temperature Rolling. IOP Conference Series: Materials Science and Engineering, 2018, 330, 012017.	0.6	9
203	Seismic Site Classification and Empirical Correlation Between Standard Penetration Test N Value and Shear Wave Velocity for Guwahati Based on Thorough Subsoil Investigation Data. Pure and Applied Geophysics, 2018, 175, 2721-2738.	1.9	9
204	Testing A Multi-Operator based Differential Evolution Algorithm on the 100-Digit Challenge for Single Objective Numerical Optimization. , 2019, , .		9
205	A Face Recognition Method in the IoT for Security Appliances in Smart Homes, offices and Cities. , 2019, , .		9
206	Tunnelling magnetoresistance and spin filtration effect in functionalized graphene sheet with CrO2 as electrode: An ab-initio study. Journal of Magnetism and Magnetic Materials, 2020, 497, 166073.	2.3	9
207	A DSGE Model-Based Analysis of the Indian Slowdown. Journal of International Commerce, Economics and Policy, 2020, 11, 2050004.	1.2	9
208	Ultrathin Palladium Nanowires for Fast and Hysteresis-Free H_2 Sensing. ACS Applied Nano Materials, 2022, 5, 5895-5905.	5.0	9
209	Adrenal Masses of Varied Etiology. Clinical Nuclear Medicine, 2014, 39, 251-260.	1.3	8
210	Butterfly optimizer. , 2015, , .		8
211	Room Temperature Measurements of Aromatic Hydrocarbons by QCM-based Gas Sensors: Intercomparison between Phthalocyanines and Phthalocyanine/CNTs Hybrid Material. Procedia Engineering, 2015, 120, 594-597.	1.2	8
212	Effect of TiO2 dispersion on mechanical properties of epoxy polymer. AIP Conference Proceedings, 2016, , .	0.4	8
213	Development of Double Layer Microwave Absorber Using Genetic Algorithm. IOP Conference Series: Materials Science and Engineering, 2017, 234, 012009.	0.6	8
214	Investigations of Wear Response of Pure Mg and Mg-0.4 Ce-Y_2O_3/ZnO Nanocomposites Using a Single and Repeated Scratch Tests. Tribology Transactions, 2018, 61, 951-959.	2.0	8
215	A decision confidence based multiuser MIMO cooperative spectrum sensing in CRNs. Physical Communication, 2020, 39, 100995.	2.1	8
216	Data Mining Visualization with the Impact of Nature Inspired Algorithms in Big Data. , 2020, , .		8

#	ARTICLE	IF	CITATIONS
217	Day ahead scheduling of PHEVs and Dâ€€BESSs in the presence of DGs in the distribution system. IET Electrical Systems in Transportation, 2020, 10, 170-184.	2.4	8
218	An Inversion-Free Robust Power-Flow Algorithm for Microgrids. IEEE Transactions on Smart Grid, 2021, 12, 2844-2859.	9.0	8
219	Assessment of hepatic fibrosis in patients with rheumatoid arthritis on long-term methotrexate therapy using transient elastography. Indian Journal of Rheumatology, 2018, 13, 246.	0.4	8
220	Policy errors and business cycle fluctuations: Evidence from an emerging economy. Journal of Economic Behavior and Organization, 2021, 192, 176-198.	2.0	8
221	Prediction of arthritis using classification and regression tree algorithm. , 2017, , .		7
222	The effect of oil shocks and cyclicality in hiding Indian twin deficits. Journal of Economic Studies, 2018, 45, 27-45.	1.9	7
223	Intelligent fuzzy rough set based feature selection using swarm algorithms with improved initialization. Journal of Intelligent and Fuzzy Systems, 2019, 37, 1155-1164.	1.4	7
224	Butterfly Optimizer for Placement and Sizing of Distributed Generation for Feeder Phase Balancing. Advances in Intelligent Systems and Computing, 2019, , 519-530.	0.6	7
225	Ground motion prediction equation for north India, applicable for different site classes. Soil Dynamics and Earthquake Engineering, 2020, 139, 106425.	3.8	7
226	Characterization of the CAZy Repertoire from the Marine-Derived Fungus Stemphylium lucomagnoense in Relation to Saline Conditions. Marine Drugs, 2020, 18, 461.	4.6	7
227	Experimental Studies on Energy and Eigenvalue Based Spectrum Sensing Algorithms Using USRP Devices in OFDM Systems. Radio Science, 2020, 55, e2019RS006973.	1.6	7
228	Photon assisted-inversion of majority charge carriers in molecular semiconductor-based organic heterojunctions. Journal of Materials Chemistry C, 2021, 9, 5008-5020.	5.5	7
229	Temperature-Dependent Nonlinear Damping in Palladium Nanomechanical Resonators. Nano Letters, 2021, 21, 2975-2981.	9.1	7
230	Black Phosphorus n-Type Doping by Cu: A Microscopic Surface Investigation. Journal of Physical Chemistry C, 2021, 125, 13477-13484.	3.1	7
231	Synthesis, characterization, and modelling the behavior of in-situ ZrO2 nanoparticles dispersed epoxy nanocomposite. Engineering Fracture Mechanics, 2022, 263, 108300.	4.3	7
232	Improvement in metrological performances of phthalocyanine-based QCM sensors for BTX detection in air through substituentâ€™s effect. Sensors and Actuators B: Chemical, 2022, 368, 132253.	7.8	7
233	Urochordate serpins Are Classified into Six Groups Encoded by Exon-Intron Structures, Microsynteny and Bayesian Phylogenetic Analyses. Journal of Genomics, 2014, 2, 131-140.	0.9	6
234	SRAM cell design with minimum number of transistor. , 2014, , .		6

#	Article	IF	Citations
235	Understanding V(D)J recombination initiator RAG1 gene using molecular phylogenetic and genetic variant analyses and upgrading missense and non-coding variants of clinical importance. Biochemical and Biophysical Research Communications, 2015, 462, 301-313.	2.1	6
236	Optimizing FinFET parameters for minimizing short channel effects. , 2016, , .		6
237	Analytical modelling of subthreshold characteristics of RE-GAA FinFET using center potential. Superlattices and Microstructures, 2016, 100, 1143-1150.	3.1	6
238	Easy to Use Empirical Correlations for Liquefaction and No Liquefaction Conditions. Geotechnical and Geological Engineering, 2017, 35, 1383-1407.	1.7	6
239	Preference-Based Privacy Markets. IEEE Access, 2020, 8, 146006-146026.	4.2	6
240	A New Current Injection Based Power Flow Formulation. Electric Power Components and Systems, 2020, 48, 268-280.	1.8	6
241	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
242	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
243	Low-power and low glitch area current steering DAC. Engineering Science and Technology, an International Journal, 2022, 29, 101035.	3.2	6
244	Selection of Core shell Material based Electromagnetic Wave Absorbers in 2 to18 GHz using TOPSIS and VIKOR Ranking Methods. Defence Science Journal, 2019, 69, 431-436.	0.8	6
245	Microwave Absorption Performance of Graphene Nanoplatelets Dispersed SiC. Defence Science Journal, 2019, 69, 437-441.	0.8	6
246	S-BOX Architecture. Communications in Computer and Information Science, 2019, , 17-27.	0.5	6
247	Alterations in blood electrolytes of a freshwater catfish Heteropneustes fossilis in response to treatment with a botanical pesticide, Nerium indicum leaf extract. Fish Physiology and Biochemistry, 2011, 37, 505-510.	2.3	5
248	Effects of *Euphorbia tirucalli* latex on blood calcium and phosphate of the freshwater air-breathing catfish *Heteropneustes fossilis*. Toxicological and Environmental Chemistry, 2011, 93, 585-592.	1.2	5
249	Acute toxicity of azadirachtin to a teleost, Heteropneustes fossilis. Acta Scientiarum - Biological Sciences, 2012, 34, .	0.3	5
250	Cyto-histopathological Alterations in the Liver of Azadirachtin Treated Catfish, Heteropneustes fossilis. Proceedings of the National Academy of Sciences India Section B - Biological Sciences, 2013, 83, 609-613.	1.0	5
251	11GHz CMOS ring oscillator. , 2015, , .		5
252	An LLR based cooperative spectrum sensing with hard-soft combining for cognitive radio networks. , 2017, , .		5

#	Article	IF	Citations
253	Stem cell transplant in systemic sclerosis: An Indian experience. International Journal of Rheumatic Diseases, 2018, 21, 859-865.	1.9	5
254	Seismic Site Classification of Recording Stations in Tarai Region of Uttarakhand, from Multiple Approaches. Geotechnical and Geological Engineering, 2018, 36, 1431-1446.	1.7	5
255	Reconfigurable Flash ADC Using TIQ Technique. , 2018, , .		5
256	Analyzing Indian research and development organizations: a SWOT analysis. International Journal of Innovation Science, 2018, 10, 298-315.	2.7	5
257	Effect of nanoparticles dispersion on viscoelastic properties of epoxyâ€"zirconia polymer nanocomposites. IOP Conference Series: Materials Science and Engineering, 2018, 330, 012001.	0.6	5
258	A functionalized ruthenium-graphene nanosheet photocatalyst for highly regioselective visible light driven Câ€"H arylation of imidazo-pyrimidines. Sustainable Energy and Fuels, 2019, 3, 3324-3328.	4.9	5
259	Determinants of firm-level investment in India: does size matter?. Macroeconomics and Finance in Emerging Market Economies, 2020, 13, 140-160.	1.0	5
260	An unbiased confirmation of the participating isomers of $C_2B_5^-$ in the formation of its photo-detachment spectra: a theoretical study. Physical Chemistry Chemical Physics, 2021, 23, 3160-3175.	2.8	5
261	When Are Cyber Blackouts in Modern Service Networks Likely?. ACM Transactions on Management Information Systems, 2020, 11, 1-38.	2.8	5
262	Challenge-Response Pair (CRP) Generator Using Schmitt Trigger Physical Unclonable Function. Advances in Intelligent Systems and Computing, 2019, , 213-223.	0.6	5
263	Indian Biotech Bazaar: A swot analysis. Biotechnology Journal, 2007, 2, 543-545.	3.5	4
264	Blood electrolytes of the freshwater catfish *Heteropneustes fossilis* in response to treatment with a botanical pesticide (latex of *Euphorbia royleana*). Integrative Zoology, 2011, 6, 150-156.	2.6	4
265	Bilateral gynecomastia: A rare presentation of thyrotoxicosis. Indian Journal of Endocrinology and Metabolism, 2013, 17, 357.	0.4	4
266	A Model for Calculating Hyperelastic Material Properties Under Thermal Aging. Journal of Engineering Materials and Technology, Transactions of the ASME, 2018, 140, .	1.4	4
267	Determination of seismic wave attenuation in Delhi, India, towards quantification of regional seismic hazard. Natural Hazards, 2018, 92, 1039-1064.	3.4	4
268	Lyapunov fuzzy Markov game controller for two link robotic manipulator. Journal of Intelligent and Fuzzy Systems, 2018, 34, 1479-1490.	1.4	4
269	Spatiotemporal monitoring of hydrilla [Hydrilla verticillata (L. f.) Royle] to aid management actions. Weed Technology, 2019, 33, 518-529.	0.9	4
270	A hyper-elastic thermal aging constitutive model for rubber-like materials. Journal of Elastomers and Plastics, 2020, 52, 677-700.	1.5	4

#	Article	IF	Citations
271	Synthesis and antibacterial activity of polymer–antibiotic conjugates incorporated into a resin-based dental adhesive. Biomaterials Science, 2021, 9, 2043-2052.	5.4	4
272	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
273	Measurement of Scientific Productivity in R&D Sector: Changing paradigm. Recent Patents on Biotechnology, 2017, 11, 20-31.	0.8	4
274	Safety and efficacy of an Anti-CD20 Monoclonal antibody (Reditux^{TM}) In Indian patients with seropositive rheumatoid arthritis. Indian Journal of Rheumatology, 2018, 13, 20.	0.4	4
275	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
276	Neural Network Based Joint Carrier Frequency Offset and Sampling frequency Offset Estimation and Compensation in MIMO OFDM-OQAM Systems. , 2020, , .		4
277	Variability Analysis of SBOX With CMOS 45Ânm Technology. Wireless Personal Communications, 2022, 124, 671-682.	2.7	4
278	An advance approach Of PCA for gender recognition. , 2013, , .		3
279	Influence of a botanical pesticide, azadirachtin, on ultimobranchial gland of the freshwater catfish<i>Heteropneustes fossilis</i>. Toxicological and Environmental Chemistry, 2013, 95, 1702-1711.	1.2	3
280	Sequence and Structural Perspectives of Bacterial &#946;-Stranded Porins. Protein and Peptide Letters, 2014, 22, 8-22.	0.9	3
281	Directional coupler with high isolation bandwidth using electrical balance. , 2014, , .		3
282	Design of low power 0.8V Flash ADC using TIQ in 90nm technology. , 2015, , .		3
283	An Asymmetric 2.4 GHz Directional Coupler Using Electrical Balance. IEEE Microwave and Wireless Components Letters, 2016, 26, 990-992.	3.2	3
284	Site Classification of the Strong Motion Stations of Uttarakhand, India, Based on the Model Horizontal to Vertical Spectral Ratio. , 2017, , .		3
285	Performance Evaluation of NP and ML Based Spectrum Sensing in FDCRNs under Small Scale Fading Scenario. , 2017, , .		3
286	Neural/fuzzy self learning Lyapunov control for non linear systems. International Journal of Information Technology (Singapore), 2022, 14, 229-242.	2.7	3
287	Modeling of toughness enhancement mechanisms in graphene nanocomposites. Mechanics of Advanced Materials and Structures, 2018, 25, 1197-1204.	2.6	3
288	Determination of S and Coda Wave Attenuation in Selected Regions of Lower and Northern Assam Within North Eastern India. Indian Geotechnical Journal, 2018, 48, 442-458.	1.4	3

#	Article	IF	Citations
289	Effect of nanoparticles dispersion on viscoelastic properties of epoxy-zirconia polymer nanocomposites. IOP Conference Series: Materials Science and Engineering, 2018, 330, 012054.	0.6	3
290	Comparison of various ATPG Techniques to Determine Optimal BIST. , 2018, , .		3
291	A passive RF impedance tuner for 2.4 GHz ISM band applications. , 2018, , .		3
292	Facile synthesis of mixed O, S or Se bearing hexasubstituted benzenes and their potential as Cu(ii) ion probe. Dalton Transactions, 2019, 48, 5627-5636.	3.3	3
293	Numerical Analysis of Constrained Groove Pressing and Mechanical Behaviour of Processed 316L Stainless Steel. Materials Science Forum, 0, 969, 901-908.	0.3	3
294	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
295	Mass Transport in Nanoporous Gold and Correlation with Surface Pores for EC 1 Mechanism: Case of Ascorbic Acid. ChemElectroChem, 2021, 8, 2129-2136.	3.4	3
296	Acetylcholinesterase as a Biomarker of Arsenic Induced Cardiotoxicity in Mammals. Science International, 2017, 5, 142-149.	0.4	3
297	Helicobacter pylori Reactivates Human Immunodeficiency Virus-1 in Latently Infected Monocytes with Increased Expression of IL-1Î² and CXCL8. Current Genomics, 2020, 20, 556-568.	1.6	3
298	Alterations in the Corpuscles of Stannius of Euphorbia royleana Treated Catfish, Heteropneustes fossilis. Iranian Journal of Toxicology, 2017, 11, 27-32.	0.3	3
299	Sensing multimedia contexts on mobile devices. , 2020, , .		3
300	Pd Alloy Nanosheet Inks for Inkjetâ€Printable H$_2$ Sensors on Paper. Advanced Materials Interfaces, 2022, 9, .	3.7	3
301	Ground-bounce reduction in narrow-band RF front-ends. , 2014, , .		2
302	Influence of Malnutrition on Adverse Outcome in Children with Confirmed or Probable Viral Encephalitis: A Prospective Observational Study. BioMed Research International, 2015, 2015, 1-5.	1.9	2
303	Challenge-response generation using RO-PUF with reduced hardware. , 2016, , .		2
304	A Multi-Cloud Cyber Infrastructure for Monitoring Global Proliferation of Cyanobacterial Harmful Algal Blooms. , 2018, , .		2
305	A Model for Hyper-Elastic Material Behavior Under Thermal Aging With an Application to Natural Rubber. , 2018, , .		2
306	Money and business cycle: Evidence from India. Journal of Economic Asymmetries, 2018, 18, e00105.	3.5	2

#	Article	IF	Citations
307	A 2.35 GHz Cross-Talk Canceller for 2Ã—2 MIMO Full-Duplex Wireless System. , 2019, , .		2
308	Finite Element Analysis and Mechanical Behavior of 316L Stainless Steel Processed by Room Temperature Rolling. Materials Science Forum, 0, 969, 508-516.	0.3	2
309	Discrete Wavelet Transform Based Hybrid Edge Detection Technique for Wideband Spectrum Sensing in CRNs. , 2019, , .		2
310	Collaborative methodologies for pattern evaluation for web personalization using Semantic Web Mining. , 2019, , .		2
311	Estimator-Correlator based Spectrum Sensing with PU Signal Uncertainty in Full Duplex CRNs. , 2019, , .		2
312	Detailed Review on Methodologies Available to Find Preinstrumental Missing Earthquakes of the Present Catalogue with the Relevance to Seismicity Assessment of the Northeast India. Indian Geotechnical Journal, 2019, 49, 352-366.	1.4	2
313	Fuzzy Rough Set-Based Feature Selection with Improved Seed Population in PSO and IDS. Advances in Intelligent Systems and Computing, 2019, , 137-149.	0.6	2
314	Are Federated Cloud Sharing Systems Sustainable?: <i>On Dynamic Sharing Markets and Their Stability</i>. IEEE Transactions on Sustainable Computing, 2020, 5, 485-500.	3.1	2
315	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
316	(Ba/Pb)xSr1â'xTiO3 based capacitive sensor with LaNiO3 electrode for higher tunability. Journal of Materials Science: Materials in Electronics, 2020, 31, 20387-20399.	2.2	2
317	SBOX under PVT variation. Analog Integrated Circuits and Signal Processing, 2020, 105, 73-82.	1.4	2
318	Comparing scientific productivity using Scopus and Web of Science (WoS): a case of Indian R&D laboratories. Asian Journal of Technology Innovation, 2020, , 1-13.	2.8	2
319	FFTâ€Based Multiband Spectrum Sensing in SIMO Inâ€band Fullâ€Duplex Cognitive Radio Networks. Radio Science, 2020, 55, e2019RS006974.	1.6	2
320	A Low Power Approach for Designing 12-Bit Current Steering DAC. Lecture Notes in Electrical Engineering, 2021, , 595-604.	0.4	2
321	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
322	A single-center experience in use of tocilizumab in COVID-19 pneumonia in India. Medical Journal Armed Forces India, 2021, 77, S296-S304.	0.8	2
323	A Systematic Review on Inverse GRA Methodologies Developed for the Determination of Dynamic Soil Properties Using Downhole Seismic Array Records. Indian Geotechnical Journal, 0, , 1.	1.4	2
324	A Nano-micro-macro-multiscale Model for Progressive Failure Prediction in Advanced Composites. , 2017, , 137-169.		2

#	Article	IF	Citations
325	Submonolayer Quantum Dots in P-i-P configuration: Study on effects of monolayer coverage and stacking variations. , 2020, , .		2
326	Lower Bound on NaÃ¯ve Bayes Classifier Accuracy in Case of Noisy Data. Advances in Intelligent Systems and Computing, 2014, , 639-644.	0.6	2
327	S-Parameter Comparison of Common Source and Common Gate Low Noise Amplifier. International Journal of Computer Applications, 2015, 120, 15-18.	0.2	2
328	Outage Analysis of D2D-based Ultra-Reliable Low Latency Communication System under Nakagami-m Fading Channel. , 2020, , .		2
329	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
330	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
331	Interplay of hetero-MN4 catalytic sites on graphene for efficient oxygen reduction reaction. Electrochimica Acta, 2022, 419, 140397.	5.2	2
332	A 12â€bit SC ^{3} partially segmented current steering DAC with improved SFDR and bandwidth. International Journal of Circuit Theory and Applications, 0, , .	2.0	2
333	The role of herbal plants in the inhibition of SARS-CoV-2 main protease: A computational approach. Journal of the Indian Chemical Society, 2022, 99, 100640.	2.8	2
334	Deletions in cox2 mRNA Result in Loss of Splicing and RNA Editing and Gain of Novel RNA Editing Sites. PLoS ONE, 2013, 8, e82067.	2.5	1
335	A P-N Sequence Generator Using LFSR with Dual Edge Trigger Technique. MATEC Web of Conferences, 2016, 57, 01016.	0.2	1
336	Design of two-layer microwave absorber at X-band using genetic algorithm. , 2016, , .		1
337	Inâ€¦Situ Prepared Flexible 3D Polymer Film Photocatalyst for Highly Selective Solar Fuel Production from CO2. ChemCatChem, 2018, 10, 1928-1928.	3.7	1
338	Corrosion Prevention of Steel Reinforcement in 7.5% NaCl Solution using Pure Magnesium Anode. IOP Conference Series: Materials Science and Engineering, 2018, 330, 012003.	0.6	1
339	Experimental Studies on Energy / Eigenvalue based Spectrum Sensing Algorithms using USRP Devices in OFDM Systems. , 2019, , .		1
340	An Economical Methodology to Rhetorical Identifications in Cloud Victimization Virtual Machine Snapshots. International Journal of Knowledge-Based Organizations, 2019, 9, 36-49.	0.4	1
341	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
342	Performance Analysis of Multi-Armed Bandit Based Resource Allocation Algorithms for D2D Communication Systems. , 2020, , .		1

#	Article	IF	Citations
343	Effect of endogenous hormones, antisperm antibody and oxidative stress on semen quality of crossbred bulls. Animal Biotechnology, 2021, , 1-8.	1.5	1
344	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
345	TEN in a Case of SLE - A case based review. Indian Journal of Rheumatology, 2020, 15, 56.	0.4	1
346	Safety and efficacy of abatacept among patients with refractory rheumatoid arthritis: Experience from a North Indian Tertiary Care Hospital. Indian Journal of Rheumatology, 2018, 13, 163.	0.4	1
347	News, noise, and Indian business cycle. Bulletin of Economic Research, 0, , .	1.1	1
348	Estimation of source and site characteristics in the North-West Himalaya and its adjoining area using generalized inversion method. Annals of Geophysics, 2019, 62, .	1.0	1
349	Green light emission in CsPbBr3 quantum dots: theoretical and experimental insight. , 2020, , .		1
350	Studying and Comparing the Declustered EQ Catalogue Obtained from Different Methods for Guwahati Region NE India. Lecture Notes in Civil Engineering, 2021, , 577-590.	0.4	1
351	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
352	Mechanical characterization and adhesive properties of a dental adhesive modified with a polymer antibiotic conjugate. Journal of the Mechanical Behavior of Biomedical Materials, 2022, 129, 105153.	3.1	1
353	Design of IF-RF-Based Heterodyne Transmitter Using Current Steering DAC with 5.4â€‰GHz Spur-Free Bandwidth. IETE Journal of Research, 2023, 69, 8277-8292.	2.6	1
354	Testing, Computer Simulation and Analysis of Vehicle Dynamic Performance During Braking of a Small Car with ABS. , 0, , .		0
355	Cellular Geometry Mediated Apical Stress Fibers Dynamically Couples Nucleus to Focal Adhesion. Biophysical Journal, 2013, 104, 583a.	0.5	0
356	Geometric Constraints on Cells Induce Cytoplasmic to Nuclear Redistribution of Transcription Co-Factors to Regulate Gene Expression. Biophysical Journal, 2013, 104, 583a.	0.5	0
357	Electrodes Modification Based on Metal-Free Phthalocyanine: Example of Electrochemical Sensors for the Detection of Acetic Acid. Journal of Sensors, 2015, 2015, 1-7.	1.1	0
358	Cell geometric control of nuclear dynamics and its implications. , 2018, , 55-76.		0
359	A Same-Channel Full-Duplex Receiver Using Direct RF Sampling. , 2018, , .		0
360	Actin Flow Dependent and Independent Force Transmission in Integrin-Mediated Adhesions. Biophysical Journal, 2019, 116, 123a.	0.5	0

#	Article	IF	Citations
361	A Compact +10/+5 dBm 800/2600 MHz LTE Driver Amplifier With Ground-Bounce Reduction. IEEE Transactions on Circuits and Systems II: Express Briefs, 2019, 66, 919-923.	3.0	0
362	Mutational hotspots of HSP47 and its potential role in cancer and bone-disorders. Genomics, 2020, 112, 552-566.	2.9	0
363	The diagnostic utility of rheumatoid factor and anticitrullinated protein antibody for rheumatoid arthritis in the Indian population. Medical Journal Armed Forces India, 2020, , .	0.8	0
364	Big Data based Adaptive Learning and Scope of Automation in Actionable Knowledge. , 2020, , .		0
365	Investigation of Torsional Rod to Minimize Vibration in Automobile using ANSYS. , 2020, , .		0
366	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
367	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
368	Establishing Seismic Site Class for five Recording Stations in Delhi Based on Theoretical Horizontal to Vertical Spectral Ratio. Lecture Notes in Civil Engineering, 2021, , 223-232.	0.4	0
369	Corrections to â€œPreference-Based Privacy Marketsâ€. IEEE Access, 2021, 9, 14179-14180.	4.2	0
370	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
371	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
372	Asymmetry, terms of trade and the aggregate supply curve in an open economy model. Journal of Economic Asymmetries, 2021, 24, e00206.	3.5	0
373	Smartphone Confrontational Applications and Security Issues. , 2021, , 323-336.		0
374	A Review on the Seismic Vulnerability of Oil and Gas Pipelines in Guwahati City. Lecture Notes in Civil Engineering, 2021, , 287-299.	0.4	0
375	An Advanced Approach of Face Alignment for Gender Recognition Using PCA. Advances in Intelligent Systems and Computing, 2014, , 1047-1058.	0.6	0
376	Indirect Estimation of Local Soil Response in Light of Past as well as Recent Earthquakes in the Shillong Plateau. Lecture Notes in Civil Engineering, 2019, , 67-73.	0.4	0
377	Rough Set Based Feature Selection Using Swarm Algorithms with Improved Initialization. Journal of Computational and Theoretical Nanoscience, 2018, 15, 2350-2354.	0.4	0
378	FFT based Spectrum Sensing over Rayleigh Frequency Selective Fading Channel in In-band SIMO Full-Duplex CRNs. , 2019, , .		0

#	Article	IF	Citations
379	Frequency-Based RO-PUF. Advances in Computational Intelligence and Robotics Book Series, 2020, , 252-261.	0.4	0
380	Optimization of strain-coupled InAs QD layers in P-i-P infrared photodetector heterostructures. , 2020, , .		0
381	Structural, electronic, and optical properties of type II heterostructure based on WS2/black phosphorene. , 2020, , .		0
382	Site Classification of Strong Motion Stations of Uttarakhand, India, Based on Standard Spectral Ratio, and Horizontal-to-Vertical Spectral Ratio Methods. Lecture Notes in Civil Engineering, 2021, , 495-506.	0.4	0
383	40-GHz Inductor Less VCO. Advances in Computational Intelligence and Robotics Book Series, 2020, , 288-298.	0.4	0
384	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
385	Experimental and theoretical investigation of Mn-doped CsPbCl3 with orange light emission. , 2020, , .		0
386	Effect of corner radius on a single corner nanostructure for investigating SERS based chemical sensors. , 2020, , .		0
387	Enhanced optical performance through growth strategy in coupled InAs P-i-P QDIPs. , 2020, , .		0
388	Modelling and optimization of different plasmonic nanostructures for application in infrared region. , 2020, , .		0
389	Controlling GIDL Using Coreâ€"Shell Technique in Conventional Nano-Wire. Lecture Notes in Electrical Engineering, 2021, , 731-741.	0.4	0
390	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
391	Studies on Microstructure Evolution, Mechanical, and Corrosion Behaviors of Cryorolled 316L Steel. Journal of Materials Engineering and Performance, 0, , .	2.5	0