

Rajesh Kumar

List of Publications by Year in descending order

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406
papers

15,127
citations

19657

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25787

108
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412
all docs

412
docs citations

412
times ranked

14698
citing authors

#	ARTICLE	IF	CITATIONS
1	CF-PPI: Centroid based new feature extraction approach for Protein-Protein Interaction Prediction. Journal of Experimental and Theoretical Artificial Intelligence, 2023, 35, 1037-1057.	2.8	5
2	Nonlinear Response and Buckling of Imperfect Plates Under In-Plane Pulse Forces: A Semi-analytical Investigation. Iranian Journal of Science and Technology - Transactions of Mechanical Engineering, 2022, 46, 633-648.	1.3	1
3	Application of Biocatalytic Reductive Amination for the Synthesis of a Key Intermediate to a CDK 2/4/6 Inhibitor. Organic Process Research and Development, 2022, 26, 879-890.	2.7	20
4	Heteroatom doping of 2D graphene materials for electromagnetic interference shielding: a review of recent progress. Critical Reviews in Solid State and Materials Sciences, 2022, 47, 570-619.	12.3	68
5	Nonlinear vibration and instability of a randomly distributed CNT-reinforced composite plate subjected to localized in-plane parametric excitation. Applied Mathematical Modelling, 2022, 101, 453-480.	4.2	9
6	Microwave as a Tool for Synthesis of Carbon-Based Electrodes for Energy Storage. ACS Applied Materials & Interfaces, 2022, 14, 20306-20325.	8.0	90
7	$\hat{\Gamma}$ -mesons in hot magnetized nuclear matter. Chinese Physics C, 2022, 46, 024109.	3.7	0
8	Plant-derived ribosome-inactivating proteins involved in defense against plant viruses. European Journal of Plant Pathology, 2022, 162, 515-537.	1.7	2
9	Instability characteristics of variable stiffness laminated composite curved panels under non-uniform periodic excitation. Thin-Walled Structures, 2022, 171, 108735.	5.3	6
10	Laser processing of graphene and related materials for energy storage: State of the art and future prospects. Progress in Energy and Combustion Science, 2022, 91, 100981.	31.2	124
11	Prevalence of delirium and predictors of longer intensive care unit stay: A prospective analysis of 207 mechanical ventilated patients. Journal of Mental Health and Human Behaviour, 2022, .	0.3	1
12	Proteomics and Metabolomics in Cancer Diagnosis and Therapy. , 2022, , 2309-2338.		0
13	Single cell metabolomics. , 2022, , 457-513.		0
14	Adjunctive Diagnostic Methods for Skin Cancer Detection: A Review of Electrical Impedance-Based Techniques. Bioelectromagnetics, 2022, 43, 193-210.	1.6	7
15	Reconfigurable and spectrally switchable perfect absorber based on a phase-change material. Applied Optics, 2022, 61, 2888.	1.8	6
16	An overview of recent progress in nanostructured carbon-based supercapacitor electrodes: From zero to bi-dimensional materials. Carbon, 2022, 193, 298-338.	10.3	168
17	Industrial Wastes-Cum-Strength Enhancing Additives Incorporated Lightweight Aggregate Concrete (LWAC) for Energy Efficient Building: A Comprehensive Review. Sustainability, 2022, 14, 331.	3.2	16
18	A semi-analytical framework for time history response of a carbon nanotube <sc>-reinforced</sc> polymer damped composite plate: Influence of instability regions. Polymer Composites, 2022, 43, 1186-1212.	4.6	1

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19	Insights into the influence of γ -butanol with neat biodiesel and biodiesel-diesel blends on diesel engine characteristics: Review. International Journal of Energy Research, 2022, 46, 5441-5466.	4.5	12
20	Physical and Mechanical Characteristics of Cement Mortar with Coal Bottom Ash as Fine Aggregate Under Elevated Temperature. Lecture Notes in Civil Engineering, 2022, , 561-571.	0.4	0
21	Physico-Mechanical and Thermal Properties of Lightweight Structural Concrete with Light Expanded Clay Aggregate for Energy-Efficient Buildings. Lecture Notes in Civil Engineering, 2022, , 175-185.	0.4	7
22	Cloud Energy Storage Based Embedded Battery Technology Architecture for Residential Users Cost Minimization. IEEE Access, 2022, 10, 43685-43702.	4.2	15
23	Body image distress among cancer patients: needs for psychosocial intervention development. Supportive Care in Cancer, 2022, 30, 6035-6043.	2.2	5
24	Mechanical properties of boron nitride nano-sheet reinforced aluminium nanocomposite: a molecular dynamics study. Molecular Simulation, 2022, 48, 1003-1016.	2.0	3
25	Active volume engineered waveguide embedded nonvolatile photonic memory cell. Journal of the Optical Society of America B: Optical Physics, 2022, 39, 1419.	2.1	3
26	Process Optimization of Biodiesel Production Using the Laplacian Harris Hawk Optimization (LHHO) Algorithm. Modelling and Simulation in Engineering, 2022, 2022, 1-13.	0.7	2
27	Electrochemical deposition of uniform and porous Co-Ni layered double hydroxide nanosheets on nickel foam for supercapacitor electrode with improved electrochemical efficiency. Journal of Energy Storage, 2022, 50, 104638.	8.1	59
28	Two-dimensional layered molybdenum disulfide (MoS ₂)-reduced graphene oxide (rGO) heterostructures modified with Fe ₃ O ₄ for electrochemical sensing of epinephrine. Materials Chemistry and Physics, 2022, 287, 126274.	4.0	35
29	Microwave-assisted facile synthesis of layered reduced graphene oxide-tungsten disulfide sandwiched Fe ₃ O ₄ nanocomposite as effective and sensitive sensor for detection of dopamine. Materials Chemistry and Physics, 2022, 287, 126283.	4.0	28
30	Advances in pseudocapacitive and battery-like electrode materials for high performance supercapacitors. Journal of Materials Chemistry A, 2022, 10, 13190-13240.	10.3	137
31	<i>In situ</i> growth of laser-induced graphene micro-patterns on arbitrary substrates. Nanoscale, 2022, 14, 8914-8918.	5.6	44
32	A review on the current research on microwave processing techniques applied to graphene-based supercapacitor electrodes: An emerging approach beyond conventional heating. Journal of Energy Chemistry, 2022, 74, 252-282.	12.9	104
33	Two-dimensional layered reduced graphene oxide-tungsten disulphide nanocomposite for highly sensitive and selective determination of para nitrophenol. Environmental Nanotechnology, Monitoring and Management, 2022, 18, 100724.	2.9	5
34	Identification of novel proteomics markers involved in ovarian endocrinology of riverine buffalo (<i>Bubalus bubalis</i>). Biological Rhythm Research, 2021, 52, 1448-1460.	0.9	3
35	Cutting edge development on graphene derivatives modified by liquid crystal and CdS/TiO ₂ hybrid matrix: optoelectronics and biotechnological aspects. Critical Reviews in Solid State and Materials Sciences, 2021, 46, 385-449.	12.3	117
36	Dynamic instability characteristic of damped laminated composite conical shell panel under periodic axial compression. Mechanics of Advanced Materials and Structures, 2021, 28, 441-456.	2.6	3

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37	Nonlinear damped vibrations of three-phase CNT-FRC circular cylindrical shell. <i>Composite Structures</i> , 2021, 255, 112939.	5.8	20
38	Efficacy of standard nicotine replacement therapy (NRT) versus video-assisted nurse-led NRT on tobacco cessation: A randomized controlled pilot trial. <i>Clinical Epidemiology and Global Health</i> , 2021, 9, 141-146.	1.9	5
39	Non-linear stability and failure of laminated composite stiffened cylindrical panels subjected to in-plane impulse loading. <i>Structures</i> , 2021, 29, 360-372.	3.6	4
40	Nanocomposite matrix conjugated with carbon nanomaterials for photocatalytic wastewater treatment. <i>Journal of Hazardous Materials</i> , 2021, 410, 124657.	12.4	66
41	Investigation on influence of thickness variation effect of TiO ₂ film, spacer and counter electrode for improved dye-sensitized solar cells performance. <i>Optik</i> , 2021, 227, 166108.	2.9	12
42	Unusual case of neuroblastoma with only growth plate metastasis in bilateral lower limbs on metaiodobenzylguanidine scintigraphy. <i>Indian Journal of Nuclear Medicine</i> , 2021, 36, 346.	0.3	0
43	An Intelligent Multi Agent based Approach for Autonomous Energy Management in a Microgrid. <i>Electric Power Components and Systems</i> , 2021, 49, 18-31.	1.8	12
44	Study of social and geographical factors affecting the spread of COVID-19 in Ethiopia. <i>Journal of Statistics and Management Systems</i> , 2021, 24, 99-113.	0.6	5
45	Buckling of Laminated Composite Plate with Imperfections Subjected to In-Plane Pulse Loads. <i>Composites Science and Technology</i> , 2021, , 273-290.	0.6	0
46	ScrapNet: An Efficient Approach to Trash Classification. <i>IEEE Access</i> , 2021, 9, 130947-130958.	4.2	19
47	Microwave assisted synthesis of N-substituted benzylidene-2-(1H-benzotriazol-1-yl) acetohydrazide derivatives as antibacterial agents. <i>Research Journal of Pharmacy and Technology</i> , 2021, 14, 823-827.	0.8	1
48	Formulation and evaluation of In vitro potential of Punarnava ghan tablet against urolithiasis (Mutrakrichra). <i>Research Journal of Pharmacy and Technology</i> , 2021, 14, 1469-1476.	0.8	1
49	Fingerprint Based Authentication Architecture for Accessing Multiple Cloud Computing Services using Single User Credential in IOT Environments. <i>Journal of Physics: Conference Series</i> , 2021, 1714, 012016.	0.4	1
50	Clinico-epidemiological profile of stroke patients in the Himalayan Subcontinent - A retrospective study. <i>National Journal of Physiology, Pharmacy and Pharmacology</i> , 2021, 11, 1.	0.1	0
51	Hydrogen gas sensing properties of microwave-assisted 2D Hybrid Pd/rGO: Effect of temperature, humidity and UV illumination. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 7653-7665.	7.1	71
52	A Review of Basics and Potential of Liquid Crystalline Nanoparticles as Drug Delivery Systems. <i>Nanoscience and Nanotechnology - Asia</i> , 2021, 11, .	0.7	0
53	Adverse Effects of 5th Generation Mobile Technology on Flora and Fauna: Review Study. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1099, 012031.	0.6	3
54	Treatment Modalities of Psoriasis: A Focus on Requisite for Topical Nanocarrier. <i>Endocrine, Metabolic and Immune Disorders - Drug Targets</i> , 2021, 21, 418-433.	1.2	7

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55	A 8â€“12ÂGHz, 44.3 dBm RF output class FFâ~1 DPA using quad-mode coupled technique for new configurable front-end 5G transmitters. Analog Integrated Circuits and Signal Processing, 2021, 107, 497-510.	1.4	0
56	Role of Chromatograph-based Analytical Techniques in Quantification of Chiral Compounds: An Update. Current Analytical Chemistry, 2021, 17, 355-373.	1.2	6
57	Electrically controlled 1â€‰â€‰—â€‰â€‰2 tunable switch using a phase change material embedded silicon microring. Applied Optics, 2021, 60, 3559.	1.8	13
58	Tunable optical and electrical properties of p-type Cu2O thin films. Journal of Materials Science: Materials in Electronics, 2021, 32, 11158-11172.	2.2	5
59	Treatment Strategies Against Diabetic Foot Ulcer: Success so Far and the Road Ahead. Current Diabetes Reviews, 2021, 17, 421-436.	1.3	12
60	Promoting Mental Health of Nurses During the Coronavirus Pandemic: Will the Rapid Deployment of Nurses' Training Programs During COVID-19 Improve Self-Efficacy and Reduce Anxiety?. Cureus, 2021, 13, e15213.	0.5	12
61	Non-linear response and buckling of imperfect laminated composite plates under in-plane pulse forces. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2021, 235, 6328-6344.	2.1	4
62	Effect of Vitamin B6, B9, and B12 Supplementation on Homocysteine Level and Cardiovascular Outcomes in Stroke Patients: A Meta-Analysis of Randomized Controlled Trials. Cureus, 2021, 13, e14958.	0.5	10
63	Non-linear vibration and instability of multi-phase composite plate subjected to non-uniform in-plane parametric excitation: Semi-analytical investigation. Thin-Walled Structures, 2021, 162, 107556.	5.3	16
64	Semianalytical Development of Dynamic Instability and Response of a Multiscale Laminated Hybrid Composite Plate. Journal of Aerospace Engineering, 2021, 34, .	1.4	8
65	Development and application of Quantum Entanglement inspired Particle Swarm Optimization. Knowledge-Based Systems, 2021, 219, 106859.	7.1	24
66	Mitochondria-targeted antioxidant, mito-TEMPO mitigates initiation phase of N-Nitrosodiethylamine-induced hepatocarcinogenesis. Mitochondrion, 2021, 58, 123-130.	3.4	11
67	An Updated Review of What, When and How of Sertaconazole: A Potent Antifungal Agent. Research Journal of Pharmacy and Technology, 2021, , 3441-3448.	0.8	1
68	Recent progress on carbon-based composite materials for microwave electromagnetic interference shielding. Carbon, 2021, 177, 304-331.	10.3	239
69	Effects of high volume dolomite sludge on the properties of eco-efficient lightweight concrete: Microstructure, statistical modeling, multi-attribute optimization through Derringer's desirability function, and life cycle assessment. Journal of Cleaner Production, 2021, 307, 127107.	9.3	33
70	Hematological profile and biochemical markers of COVID-19 non-survivors: A retrospective analysis. Clinical Epidemiology and Global Health, 2021, 11, 100770.	1.9	25
71	Dynamic instability of trapezoidal composite plates under non-uniform compression using moving kriging based meshfree method. Thin-Walled Structures, 2021, 164, 107766.	5.3	16
72	Microwave-assisted thin reduced graphene oxide-cobalt oxide nanoparticles as hybrids for electrode materials in supercapacitor. Journal of Energy Storage, 2021, 40, 102724.	8.1	137

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73	Predictors of critical illness and mortality based on symptoms and initial physical examination for patients with SARS-CoV-2: A retrospective cohort study. <i>Journal of Infection and Public Health</i> , 2021, 14, 1028-1034.	4.1	8
74	A comparative in vivo Evaluation of Anti-Alzheimer Activity of Bacopa Extract and its Solid Lipid Nanoparticles. <i>Current Bioactive Compounds</i> , 2021, 17, .	0.5	1
75	Nanotechnology in Colorectal Cancer for Precision Diagnosis and Therapy. <i>Frontiers in Nanotechnology</i> , 2021, 3, .	4.8	36
76	Role of ^{99m} Tc sulphur colloid lymphoscintigraphy in a rare case of chylothorax and lymphocele formation post esophageal duplication cyst excision. <i>European Journal of Hybrid Imaging</i> , 2021, 5, 17.	1.5	2
77	A Hybrid WD-EEMD sEMG Feature Extraction Technique for Lower Limb Activity Recognition. <i>IEEE Sensors Journal</i> , 2021, 21, 20431-20439.	4.7	26
78	Biocatalytic reductive amination from discovery to commercial manufacturing applied to abrocitinib JAK1 inhibitor. <i>Nature Catalysis</i> , 2021, 4, 775-782.	34.4	58
79	Organoid Technology: A Reliable Developmental Biology Tool for Organ-Specific Nanotoxicity Evaluation. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 696668.	3.7	22
80	Forced nonlinear vibrations of circular cylindrical sandwich shells with cellular core using higher-order shear and thickness deformation theory. <i>Journal of Sound and Vibration</i> , 2021, 510, 116283.	3.9	39
81	Instability and Vibration Analyses of Functionally Graded Carbon Nanotube Reinforced Laminated Composite Plate Subjected to Localized In-Plane Periodic Loading. <i>Journal of Aerospace Engineering</i> , 2021, 34, .	1.4	6
82	Instability characteristics of damped CNT reinforced laminated shell panels subjected to in-plane excitations and thermal loading. <i>Structures</i> , 2021, 34, 2936-2949.	3.6	8
83	A comprehensive study on the influence of supplementary cementitious materials on physico-mechanical, microstructural and durability properties of low carbon cement composites. <i>Powder Technology</i> , 2021, 394, 645-668.	4.2	24
84	A Study on Agglomeration Behaviour of Cotton Stalk Under Fluidized Bed Conditions. <i>Lecture Notes in Mechanical Engineering</i> , 2021, , 879-890.	0.4	0
85	Beneficiary perspectives toward medical health camps in the Himalayan Regions: A new education strategy for medical undergraduates. <i>National Journal of Physiology, Pharmacy and Pharmacology</i> , 2021, , 1.	0.1	0
86	Corona health-care warriors in India: knowledge, attitude, and practices during COVID-19 outbreak. <i>Journal of Education and Health Promotion</i> , 2021, 10, 44.	0.6	32
87	A review of the microwave-assisted synthesis of carbon nanomaterials, metal oxides/hydroxides and their composites for energy storage applications. <i>Nanoscale</i> , 2021, 13, 11679-11711.	5.6	93
88	Knowledge and practice of nurses regarding standard precautions in a tertiary care public hospital, North India. <i>International Journal of Community Medicine and Public Health</i> , 2021, 8, 5376.	0.1	0
89	Metal/metal oxide nanoparticles: Toxicity concerns associated with their physical state and remediation for biomedical applications. <i>Toxicology Reports</i> , 2021, 8, 1970-1978.	3.3	48
90	Determinants of COVID-19 Vaccination Willingness among Health Care Workers: A Quick Online Survey in India. <i>Korean Journal of Family Medicine</i> , 2021, 42, 445-452.	1.2	7

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91	Advancing nursing practice in India: Historical lessons from the United States. Indian Journal of Continuing Nursing Education, 2021, .	0.3	0
92	Rapid survey of psychological status of health-care workers during the early outbreak of COVID-19 pandemic: A single-centre study at a tertiary care hospital in Northern India. Journal of Medical Evidence, 2021, 2, 213.	0.1	5
93	Moral injury and ethical dilemma during COVID-19: Pandemic's fallout for nurses. Journal of Medical Evidence, 2021, 2, 272.	0.1	1
94	COVID-19 vaccine acceptability, determinants of potential vaccination, and hesitancy in public: A call for effective health communication. Journal of Education and Health Promotion, 2021, 10, 392.	0.6	4
95	Active block copolymer layer on carboxyl-functionalized PET film for hydrogen separation. International Journal of Hydrogen Energy, 2020, 45, 18676-18684.	7.1	9
96	Quality by Design-Based Crystallization of Curcumin Using Liquid Antisolvent Precipitation: Micromeritic, Biopharmaceutical, and Stability Aspects. Assay and Drug Development Technologies, 2020, 18, 11-33.	1.2	16
97	Development of hydrogen selective microporous PVDF membrane. International Journal of Hydrogen Energy, 2020, 45, 16965-16975.	7.1	9
98	Microwave-assisted synthesis of Mn ₃ O ₄ -Fe ₂ O ₃ /Fe ₃ O ₄ @rGO ternary hybrids and electrochemical performance for supercapacitor electrode. Diamond and Related Materials, 2020, 101, 107622.	3.9	102
99	Facile synthesis of highly fluorescent free-standing films comprising graphitic carbon nitride (g-C ₃ N ₄) nanolayers. New Journal of Chemistry, 2020, 44, 2644-2651.	2.8	29
100	Synthesis of mesoporous Co(OH) ₂ nanostructure film via electrochemical deposition using lyotropic liquid crystal template as improved electrode materials for supercapacitors application. Journal of Electroanalytical Chemistry, 2020, 857, 113728.	3.8	51
101	Mid-infrared non-volatile silicon photonic switches using nanoscale Ge ₂ Sb ₂ Te ₅ embedded in silicon-on-insulator waveguides. Nanotechnology, 2020, 31, 115207.	2.6	15
102	Electric Vehicle Driver Response Evaluation in Multiaggregator Charging Management With EV Routing. IEEE Transactions on Industry Applications, 2020, 56, 6914-6924.	4.9	11
103	Development of modified apple polysaccharide capped silver nanoparticles loaded with mesalamine for effective treatment of ulcerative colitis. Journal of Drug Delivery Science and Technology, 2020, 60, 101980.	3.0	9
104	Effect of co-administration of probiotics with guar gum, pectin and eudragit S100 based colon targeted mini tablets containing 5-Fluorouracil for site specific release. Journal of Drug Delivery Science and Technology, 2020, 60, 102004.	3.0	18
105	Collaborative multi-aggregator electric vehicle charge scheduling with PV-assisted charging stations under variable solar profiles. IET Smart Grid, 2020, 3, 287-299.	2.2	14
106	Factors Affecting Quality of Life among Post-Stroke Patients in the Sub-Himalayan Region. Journal of Neurosciences in Rural Practice, 2020, 11, 616-622.	0.8	9
107	OUTBREAK of novel corona virus disease (COVID-19): Antecedence and aftermath. European Journal of Pharmacology, 2020, 884, 173381.	3.5	17
108	One-pot synthesis of reduced graphene oxide nanosheets anchored ZnO nanoparticles via microwave approach for electrochemical performance as supercapacitor electrode. Journal of Materials Science: Materials in Electronics, 2020, 31, 15456-15465.	2.2	47

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109	Modified apple polysaccharide capped gold nanoparticles for oral delivery of insulin. International Journal of Biological Macromolecules, 2020, 149, 976-988.	7.5	45
110	Fe ₃ O ₄ -embedded rGO composites as anode for rechargeable FeOx-air batteries. Materials Today Communications, 2020, 25, 101540.	1.9	18
111	$\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mi} \rangle \ddot{\Gamma} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ meson mass and decay width in strange hadronic matter. Physical Review C, 2020, 102, .	2.9	5
112	Direct remote $\hat{\Gamma}$ -C(sp ²) $\hat{\Delta}$ H olefination of $\hat{\Gamma}$ -aryl-substituted aliphatic aldehydes via $\langle i \rangle$ palladium/enamine co-catalysis. Organic Chemistry Frontiers, 2020, 7, 2965-2974.	4.5	8
113	Heavy vector and axial-vector D mesons in hot magnetized asymmetric nuclear matter. European Physical Journal A, 2020, 56, 1.	2.5	4
114	Heteroatom doped graphene engineering for energy storage and conversion. Materials Today, 2020, 39, 47-65.	14.2	400
115	Analysis of pseudoscalar and scalar $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mi} \rangle D \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ mesons and charmonium decay width in hot magnetized asymmetric nuclear matter. Physical Review C, 2020, 101, .	2.9	12
116	Validation of TLC-Densitometry Method for Estimation of Catechin in Acacia catechu Heartwood. Pharmaceutical Chemistry Journal, 2020, 54, 184-189.	0.8	11
117	Honeycomb-like open-edged reduced-graphene-oxide-enclosed transition metal oxides (NiO/Co ₃ O ₄) as improved electrode materials for high-performance supercapacitor. Journal of Energy Storage, 2020, 30, 101539.	8.1	112
118	Single Cell Metabolomics: A Future Tool to Unmask Cellular Heterogeneity and Virus-Host Interaction in Context of Emerging Viral Diseases. Frontiers in Microbiology, 2020, 11, 1152.	3.5	46
119	One step synthesis Pd/NiO@rGO/CNTs nanocomposite for energy storage as supercapacitor application. Journal of Physics: Conference Series, 2020, 1461, 012109.	0.4	1
120	Synthesis, structural analysis, upconversion luminescence and magnetic properties of Ho ³⁺ /Yb ³⁺ co-doped GdVO ₄ nanophosphor. Materials Chemistry and Physics, 2020, 253, 123333.	4.0	22
121	User-Willingness-Based Decentralized EV Charging Management in Multiaggregator Scheduling. IEEE Transactions on Industry Applications, 2020, 56, 5704-5715.	4.9	20
122	Performance of cascode Class $\hat{\Delta}$ PA with built $\hat{\Delta}$ n techniques for UWB radar toward monitoring of patient actions. IET Circuits, Devices and Systems, 2020, 14, 235-242.	1.4	2
123	Vivaldi End-Fire Antenna for THz Photomixers. Journal of Infrared, Millimeter, and Terahertz Waves, 2020, 41, 728-739.	2.2	8
124	Modified mix design and statistical modelling of lightweight concrete with high volume micro fines waste additive via the Box-Behnken design approach. Cement and Concrete Composites, 2020, 113, 103706.	10.7	25
125	Formulation and in vitro Evaluation of Fast Dissolving Tablets of Febuxostat Using Co-Processed Excipients. Recent Patents on Drug Delivery and Formulation, 2020, 14, 48-62.	2.1	10
126	Towards an Understanding of the $\hat{\Delta}$ Ambiphilic $\hat{\Delta}$ Character of Ionic Liquids for Green Synthesis of Chemically Diverse Architectures. Asian Journal of Organic Chemistry, 2020, 9, 706-720.	2.7	10

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127	A computational study on air entrapment and its effect on convective heat transfer during droplet impact on a substrate. International Journal of Thermal Sciences, 2020, 153, 106363.	4.9	19
128	Superior performance of Ni(OH) ₂ -ErGO@ NF electrode materials as pseudocapacitance using electrochemical deposition via two simple successive steps. Journal of Energy Storage, 2020, 30, 101485.	8.1	49
129	Wavelength-selective Ge ₂ Sb ₂ Te ₅ -assisted microring. Photonics Research, 2020, 8, 1171.	7.0	58
130	Application of Polymeric Nano-Materials in Management of Inflammatory Bowel Disease. Current Topics in Medicinal Chemistry, 2020, 20, 982-1008.	2.1	9
131	An Insight into Nanomedicinal Approaches to Combat Viral Zoonoses. Current Topics in Medicinal Chemistry, 2020, 20, 915-962.	2.1	2
132	A Systematic Review on Synthetic Drugs and Phytopharmaceuticals Used to Manage Diabetes. Current Diabetes Reviews, 2020, 16, 340-356.	1.3	16
133	Fecal Microbiota Transplant: Latest Addition to Arsenal Against Recurrent Clostridium Difficile Infection. Recent Patents on Anti-infective Drug Discovery, 2020, 15, .	0.8	2
134	Road From Nose to Brain for Treatment of Alzheimer: The Bumps and Humps. CNS and Neurological Disorders - Drug Targets, 2020, 19, 663-675.	1.4	5
135	Poststroke depression among stroke survivors in Sub-Himalayan region. Journal of Family Medicine and Primary Care, 2020, 9, 3508.	0.9	4
136	$\hat{\rho}$ -mesons in hot and dense asymmetric nuclear matter. Physical Review C, 2020, 102, .	2.9	1
137	Drug delivery through nose: A noninvasive technique for brain targeting. Journal of Reports in Pharmaceutical Sciences, 2020, 9, 168.	0.8	8
138	Nicotine Dependence, Readiness to Change Behavior among Tobacco Users Attending Tertiary Care Hospital's De-Addiction Clinic in Uttarakhand. Indian Journal of Psychiatric Nursing, 2020, 17, 84.	0.2	0
139	Chewable tablets of Acacia catechu extract, an alternative to Betel (Paan) for mouth ulcers: Formulation and in vitro evaluation. Current Drug Delivery, 2020, 17, 500-512.	1.6	2
140	Electrical conductivity spectra of hepatic tumors reflect hepatocellular carcinoma progression in mice. Biomedical Physics and Engineering Express, 2020, 6, 065019.	1.2	6
141	Binary whale optimization algorithm: a new metaheuristic approach for profit-based unit commitment problems in competitive electricity markets. Engineering Optimization, 2019, 51, 369-389.	2.6	72
142	Functionalized Nanosize Graphene and Its Derivatives for Removal of Contaminations and Water Treatment. , 2019, , 133-185.		5
143	Graphene/Graphene Oxide and Carbon Nanotube Based Sensors for the Determination and Removal of Bisphenols. , 2019, , 329-372.		1
144	Impact of Load Profile on Dynamic Interactions Between Energy Markets: A Case Study of Power Exchange and Demand Response Exchange. IEEE Transactions on Industrial Informatics, 2019, 15, 5855-5866.	11.3	15

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145	Recent progress in the synthesis of graphene and derived materials for next generation electrodes of high performance lithium ion batteries. <i>Progress in Energy and Combustion Science</i> , 2019, 75, 100786.	31.2	379
146	Single-Cell Proteomics: Technology and Applications. , 2019, , 283-318.		20
147	Single-Cell Metabolomics: Technology and Applications. , 2019, , 319-353.		15
148	A review on synthesis of graphene, h-BN and MoS ₂ for energy storage applications: Recent progress and perspectives. <i>Nano Research</i> , 2019, 12, 2655-2694.	10.4	283
149	Gold nanoparticles: New routes across old boundaries. <i>Advances in Colloid and Interface Science</i> , 2019, 274, 102037.	14.7	72
150	Multi-objective synergistic planning of EV fast-charging stations in the distribution system coupled with the transportation network. <i>IET Generation, Transmission and Distribution</i> , 2019, 13, 3421-3432.	2.5	70
151	Serial blood volume estimation in rabbits using trivalent chromium – An exploratory study. <i>MethodsX</i> , 2019, 6, 1068-1071.	1.6	2
152	Comparison study on the sulfate attack resistivity of cement-based materials modified with nanoSiO ₂ and normal SCMs: Pore structure and phase composition. <i>Construction and Building Materials</i> , 2019, 228, 116764.	7.2	34
153	Numerical study of pore formation in thermal spray coating process by investigating dynamics of air entrapment. <i>Surface and Coatings Technology</i> , 2019, 378, 124972.	4.8	20
154	Hypoxia-targeted drug delivery. <i>Chemical Society Reviews</i> , 2019, 48, 771-813.	38.1	350
155	χ and η_c in asymmetric hot magnetized nuclear matter: a unified approach of Chiral SU(3) model and QCD sum rules. <i>European Physical Journal C</i> , 2019, 79, 1.	3.9	15
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