

Rakesh Kumar

List of Publications by Year in descending order

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364
papers

9,215
citations

57758

44
h-index

64796

79
g-index

374
all docs

374
docs citations

374
times ranked

8493
citing authors

#	ARTICLE	IF	CITATIONS
1	Hallmarks of mechanochemistry: from nanoparticles to technology. <i>Chemical Society Reviews</i> , 2013, 42, 7571.	38.1	952
2	Influence of granulated blast furnace slag on the reaction, structure and properties of fly ash based geopolymer. <i>Journal of Materials Science</i> , 2010, 45, 607-615.	3.7	570
3	Mechanical activation of fly ash: Effect on reaction, structure and properties of resulting geopolymer. <i>Ceramics International</i> , 2011, 37, 533-541.	4.8	292
4	Innovative methodologies for the utilisation of wastes from metallurgical and allied industries. <i>Resources, Conservation and Recycling</i> , 2006, 48, 301-314.	10.8	291
5	Impacts of Plastic Pollution on Ecosystem Services, Sustainable Development Goals, and Need to Focus on Circular Economy and Policy Interventions. <i>Sustainability</i> , 2021, 13, 9963.	3.2	247
6	Mechanical activation of granulated blast furnace slag and its effect on the properties and structure of portland slag cement. <i>Cement and Concrete Composites</i> , 2008, 30, 679-685.	10.7	223
7	Towards sustainable solutions for fly ash through mechanical activation. <i>Resources, Conservation and Recycling</i> , 2007, 52, 157-179.	10.8	187
8	Abundance, interaction, ingestion, ecological concerns, and mitigation policies of microplastic pollution in riverine ecosystem: A review. <i>Science of the Total Environment</i> , 2021, 782, 146695.	8.0	147
9	Micro(nano)plastics pollution and human health: How plastics can induce carcinogenesis to humans?. <i>Chemosphere</i> , 2022, 298, 134267.	8.2	120
10	Forest cover dynamics analysis and prediction modeling using logistic regression model. <i>Ecological Indicators</i> , 2014, 45, 444-455.	6.3	110
11	Control of geopolymer properties by grinding of land filled fly ash. <i>International Journal of Mineral Processing</i> , 2015, 143, 50-58.	2.6	105
12	Synthesis of Fluoroolefins via Julia-Kocienski Olefination. <i>Synthesis</i> , 2010, 2010, 1822-1836.	2.3	99
13	Selective C-Si Bond Formation through C-H Functionalization. <i>Synthesis</i> , 2015, 47, 2347-2366.	2.3	91
14	Nonlinear thermal radiation and cubic autocatalysis chemical reaction effects on the flow of stretched nanofluid under rotational oscillations. <i>Journal of Colloid and Interface Science</i> , 2017, 505, 253-265.	9.4	78
15	Effect of Physical Characteristics and Hydrodynamic Conditions on Transport and Deposition of Microplastics in Riverine Ecosystem. <i>Water (Switzerland)</i> , 2021, 13, 2710.	2.7	76
16	Spatial distribution and risk assessments due to the microplastics pollution in sediments of Karnaphuli River Estuary, Bangladesh. <i>Scientific Reports</i> , 2022, 12, .	3.3	70
17	Creativity, Proactive Personality and Entrepreneurial Intentions: Examining the Mediating Role of Entrepreneurial Self-efficacy. <i>Global Business Review</i> , 2022, 23, 101-118.	3.1	69
18	Radiative heat transfer study for flow of non-Newtonian nanofluid past a Riga plate with variable thickness. <i>Journal of Molecular Liquids</i> , 2017, 248, 143-152.	4.9	68

#	ARTICLE	IF	CITATIONS
19	Irreversibility analysis of the three dimensional flow of carbon nanotubes due to nonlinear thermal radiation and quartic chemical reactions. <i>Journal of Molecular Liquids</i> , 2019, 274, 379-392.	4.9	68
20	Evidence of microplastics in wetlands: Extraction and quantification in Freshwater and coastal ecosystems. <i>Journal of Water Process Engineering</i> , 2021, 40, 101966.	5.6	68
21	An unusual, mild and convenient one-pot two-step access to (E)-stilbenes from hydroxy-substituted benzaldehydes and phenylacetic acids under microwave activation: a new facet of the classical Perkin reaction. <i>Tetrahedron</i> , 2007, 63, 11070-11077.	1.9	65
22	Rh ^{III} -Catalyzed Dehydrogenative Coupling of Quinoline Oxides with Alkenes: Oxide as Traceless Directing Group for Remote C-H Activation. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 7519-7528.	2.4	65
23	Coupled effects of microplastics and heavy metals on plants: Uptake, bioaccumulation, and environmental health perspectives. <i>Science of the Total Environment</i> , 2022, 836, 155619.	8.0	65
24	Synthesis and evaluation of novel coumarin-oxime ethers as potential anti-tubercular agents: Their DNA cleavage ability and BSA interaction study. <i>European Journal of Medicinal Chemistry</i> , 2018, 150, 864-875.	5.5	64
25	Mixed convective nanofluid flow over a non linearly stretched Riga plate. <i>Case Studies in Thermal Engineering</i> , 2021, 24, 100828.	5.7	63
26	Distant C-H Activation/Functionalization: A New Horizon of Selectivity Beyond Proximity. <i>Catalysis Reviews - Science and Engineering</i> , 2015, 57, 345-405.	12.9	62
27	Study of microvascular non-Newtonian blood flow modulated by electroosmosis. <i>Microvascular Research</i> , 2018, 117, 28-36.	2.5	60
28	Biocatalytic Promiscuity of Lipase in Chemoselective Oxidation of Aryl Alcohols/Acetates: A Unique Synergism of CAL-B and [hmim]Br for the Metal-Free H ₂ O ₂ Activation. <i>Organic Letters</i> , 2009, 11, 4846-4848.	4.6	57
29	Geopolymerization behavior of Cu-Ni slag mechanically activated in air and in CO ₂ atmosphere. <i>International Journal of Mineral Processing</i> , 2012, 112-113, 101-106.	2.6	57
30	Hydration of mechanically activated granulated blast furnace slag. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2005, 36, 873-883.	2.1	56
31	Reinvestigation of structure-activity relationship of methoxylated chalcones as antimalarials: Synthesis and evaluation of 2,4,5-trimethoxy substituted patterns as lead candidates derived from abundantly available natural β^2 -asarone. <i>European Journal of Medicinal Chemistry</i> , 2010, 45, 5292-5301.	5.5	56
32	C ₇₀ as a Photocatalyst for Oxidation of Secondary Benzylamines to Imines. <i>Organic Letters</i> , 2016, 18, 184-187.	4.6	55
33	Projective Synchronization of Delayed Neural Networks With Mismatched Parameters and Impulsive Effects. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2020, 31, 1211-1221.	11.3	55
34	Microplastic pollution in mountain terrains and foothills: A review on source, extraction, and distribution of microplastics in remote areas. <i>Environmental Research</i> , 2022, 207, 112232.	7.5	55
35	Unique Versatility of Ionic Liquids as Clean Decarboxylation Catalyst Cum Solvent: A Metal- and Quinoline-Free Paradigm towards Synthesis of Indoles, Styrenes, Stilbenes and Arene Derivatives under Microwave Irradiation in Aqueous Conditions. <i>Advanced Synthesis and Catalysis</i> , 2008, 350, 2910-2920.	4.3	54
36	Removal of hexavalent chromium via biochar-based adsorbents: State-of-the-art, challenges, and future perspectives. <i>Journal of Environmental Management</i> , 2022, 317, 115356.	7.8	54

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37	Mechanisms of Tubulin Binding Ligands to Target Cancer Cells: Updates on their Therapeutic Potential and Clinical Trials. <i>Current Cancer Drug Targets</i> , 2017, 17, 357-375.	1.6	53
38	Water-based nanofluid flow with various shapes of Al ₂ O ₃ nanoparticles owing to MHD inside a permeable tank with heat transfer. <i>Applied Nanoscience (Switzerland)</i> , 2023, 13, 2653-2664.	3.1	51
39	Chitosan-supported copper as an efficient and recyclable heterogeneous catalyst for A ₃ /decarboxylative A ₃ -coupling reaction. <i>Tetrahedron Letters</i> , 2018, 59, 1986-1991.	1.4	50
40	Cp*Co ^{III} -Catalyzed Alkylation of Primary and Secondary C(sp ³)-H Bonds of 8-Alkylquinolines with Maleimides. <i>Journal of Organic Chemistry</i> , 2019, 84, 1542-1552.	3.2	50
41	C ₇₀ Fullerene-Catalyzed Metal-Free Photocatalytic <i>ipso</i> -Hydroxylation of Aryl Boronic Acids: Synthesis of Phenols. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 2013-2019.	4.3	49
42	Rotating frame analysis of radiating and reacting ferro-nanofluid considering Joule heating and viscous dissipation. <i>International Journal of Heat and Mass Transfer</i> , 2018, 120, 540-551.	4.8	48
43	CRISPR-based genome editing in wheat: a comprehensive review and future prospects. <i>Molecular Biology Reports</i> , 2019, 46, 3557-3569.	2.3	48
44	Polarization, excited states, trans - cis properties and anisotropy of thermal and electrical conductivity of the 4-(phenyldiazenyl)aniline in PVA matrix. <i>Journal of Molecular Structure</i> , 2017, 1141, 703-709.	3.6	47
45	Rh/O ₂ -Catalyzed C ₈ Olefination of Quinoline N-Oxides with Activated and Unactivated Olefins. <i>Journal of Organic Chemistry</i> , 2019, 84, 2786-2797.	3.2	47
46	First Bovine Serum Albumin-Promoted Synthesis of Enones, Cinnamic Acids and Coumarins in Ionic Liquid: An Insight into the Role of Protein Impurities in Porcine Pancreas Lipase for Olefinic Bond Formation. <i>Advanced Synthesis and Catalysis</i> , 2011, 353, 871-878.	4.3	45
47	Mechanically induced reactivity of gibbsite: Part 1. Planetary milling. <i>Powder Technology</i> , 2014, 264, 105-113.	4.2	45
48	The pain receptor TRPV1 displays agonist-dependent activation stoichiometry. <i>Scientific Reports</i> , 2015, 5, 12278.	3.3	45
49	Catalyst and solvent-free alkylation of quinoline N-oxides with olefins: A direct access to quinoline-substituted α -hydroxy carboxylic derivatives. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 2613-2617.	2.8	45
50	TRPV1 pore turret dictates distinct Δ tx and capsaicin gating. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E11837-E11846.	7.1	45
51	Rhodium-Catalyzed Remote C ⁸ Alkylation of Quinolines with Activated and Unactivated Olefins: Mechanistic Study and Total Synthesis of EP4 Agonist. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 3022-3028.	4.3	43
52	Upgradation of jaggery production and preservation technologies. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 96, 167-180.	16.4	43
53	Exponential stability of inertial BAM neural network with time-varying impulses and mixed time-varying delays via matrix measure approach. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2020, 81, 105016.	3.3	43
54	Variability in chemical composition and antimicrobial activity of <i>Tagetes minuta</i> L. essential oil collected from different locations of Himalaya. <i>Industrial Crops and Products</i> , 2020, 150, 112449.	5.2	43

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55	Larvicidal and Structure-Activity Studies of Natural Phenylpropanoids and Their Semisynthetic Derivatives against the Tobacco Armyworm (<i>Spodoptera litura</i>) (Lepidoptera: Tj ETQq1 1 0.7843144gBT /Over		
56	Engineering of a metagenome derived lipase toward thermal tolerance: Effect of asparagine to lysine mutation on the protein surface. <i>Gene</i> , 2012, 491, 264-271.	2.2	39
57	Molecular structure and UV-Vis spectral analysis of new synthesized azo dyes for application in polarizing films. <i>Dyes and Pigments</i> , 2016, 129, 9-17.	3.7	39
58	Recent Advances in the Regioselective Synthesis of Indoles via C-H Activation/Functionalization. <i>Synthesis</i> , 2018, 50, 2655-2677.	2.3	38
59	Leaching of pure and cobalt bearing goethites in sulphurous acid: kinetics and mechanisms. <i>Hydrometallurgy</i> , 1993, 32, 39-59.	4.3	36
60	Diffusional Transport of Ions in Plasticized Anion-Exchange Membranes. <i>Journal of Physical Chemistry B</i> , 2011, 115, 5856-5867.	2.6	36
61	Palladium-Catalyzed Dehydrative Heck Olefination of Secondary Aryl Alcohols in Ionic Liquids: Towards a Waste-Free Strategy for Tandem Synthesis of Stilbenoids. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 2636-2639.	13.8	36
62	Anomalous reduction in surface area during mechanical activation of boehmite synthesized by thermal decomposition of gibbsite. <i>Powder Technology</i> , 2011, 208, 128-136.	4.2	35
63	Numerical modeling of time-dependent bio-convective stagnation flow of a nanofluid in slip regime. <i>Results in Physics</i> , 2017, 7, 3325-3332.	4.1	35
64	Novel insights into adsorption of heavy metal ions using magnetic graphene composites. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106212.	6.7	34
65	Neutral Ionic Liquid [hmim]Br as a Green Reagent and Solvent for the Mild and Efficient Dehydration of Benzyl Alcohols into Arylalkenes Under Microwave Irradiation. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 5577-5582.	2.4	33
66	Direct olefination of benzaldehydes into hydroxy functionalized oligo (p-phenylenevinylene)s via Pd-catalyzed heterodominant Knoevenagel-decarboxylation-Heck sequence and its application for fluoride sensing π -conjugated units. <i>Chemical Communications</i> , 2010, 46, 3283.	4.1	33
67	Rh(III)-Catalyzed C(8)-H Activation of Quinoline N-Oxides: Regioselective C-Br and C-N Bond Formation. <i>Journal of Organic Chemistry</i> , 2019, 84, 12871-12880.	3.2	33
68	Heck-Suzuki Tandem Reaction for the Synthesis of 3-Benzazepines. <i>Journal of Organic Chemistry</i> , 2015, 80, 6598-6608.	3.2	32
69	Rh(III)-Catalyzed C(8)-H Functionalization of Quinolines via Simultaneous C-C and C-O Bond Formation: Direct Synthesis of Quinoline Derivatives with Antiplasmodial Potential. <i>Journal of Organic Chemistry</i> , 2018, 83, 12702-12710.	3.2	32
70	Agroforestry land suitability analysis in the Eastern Indian Himalayan region. <i>Environmental Challenges</i> , 2021, 4, 100199.	4.2	32
71	Physico-chemical nature and leaching behaviour of goethites containing Ni, Co and Cu in the sorption and coprecipitation mode. <i>Hydrometallurgy</i> , 1990, 25, 61-83.	4.3	31
72	Stirred Bead Mill Grinding of Gibbsite: Surface and Morphological Changes. <i>Advanced Powder Technology</i> , 2008, 19, 483-491.	4.1	31

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73	Occurrence, spatial distribution, and risk assessment of microplastics in surface water and sediments of Saint Martin Island in the Bay of Bengal. <i>Marine Pollution Bulletin</i> , 2022, 179, 113720.	5.0	31
74	Pd-Catalyzed Orthogonal Knoevenagel/Perkin Condensation-Decarboxylation-Heck/Suzuki Sequences: Tandem Transformations of Benzaldehydes into Hydroxy-Functionalized Antidiabetic Stilbene-Cinnamoyl Hybrids and Asymmetric Distyrylbenzenes. <i>Chemistry - A European Journal</i> , 2011, 17, 10350-10356.	3.3	30
75	Mechanically induced reactivity of gibbsite: Part 2. Attrition milling. <i>Powder Technology</i> , 2014, 264, 229-235.	4.2	30
76	Mechanical Activation of Al-oxyhydroxide Minerals-A Review. <i>Mineral Processing and Extractive Metallurgy Review</i> , 2016, 37, 1-26.	5.0	30
77	Microwave-Assisted Metal-Free Rapid Synthesis of C ₄ -Arylated Quinolines via Povarov Type Multicomponent Reaction. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 2753-2758.	2.4	30
78	Facile synthesis of 4-vinyl- and 4-fluorovinyl-1,2,3-triazoles via bifunctional click-olefination reagents. <i>Chemical Communications</i> , 2011, 47, 3891.	4.1	29
79	Metal-Free Synthesis of 2-Substituted 3-(2-Hydroxyaryl)quinolines and 4-(2-Hydroxyaryl)acridines via Benzyne Chemistry. <i>Journal of Organic Chemistry</i> , 2017, 82, 12307-12317.	3.2	29
80	Optimization of Agrobacterium-mediated transformation in spring bread wheat using mature and immature embryos. <i>Molecular Biology Reports</i> , 2019, 46, 1845-1853.	2.3	29
81	Cp*Rh(III)-Catalyzed Regioselective C(sp ³)-H Methylation of 8-Methylquinolines with Organoborons. <i>Organic Letters</i> , 2020, 22, 305-309.	4.6	29
82	Picrorhiza kurroa: a promising traditional therapeutic herb from higher altitude of western Himalayas. <i>Journal of Herbal Medicine</i> , 2020, 23, 100358.	2.0	29
83	Regioselective Metal-Free C ² -H Arylation of Quinoline N-Oxides with Aryldiazonium Salts/Anilines under Ambient Conditions. <i>Asian Journal of Organic Chemistry</i> , 2017, 6, 1043-1053.	2.7	28
84	Stereoselective Synthesis of Conjugated Fluoro Enynes. <i>Journal of Organic Chemistry</i> , 2012, 77, 8417-8427.	3.2	27
85	Modular Synthesis of N-Vinyl Benzotriazoles. <i>Organic Letters</i> , 2013, 15, 4086-4089.	4.6	27
86	On mechanical activation of glauconite: Physicochemical changes, alterations in cation exchange capacity and mechanisms. <i>Powder Technology</i> , 2020, 360, 337-351.	4.2	27
87	Characterization and molecular modelling of an engineered organic solvent tolerant, thermostable lipase with enhanced enzyme activity. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2013, 97, 243-251.	1.8	26
88	Combined influence of fluctuations in the temperature and stretching velocity of the sheet on MHD flow of Cu-water nanofluid through rotating porous medium with cubic auto-catalysis chemical reaction. <i>Journal of Molecular Liquids</i> , 2017, 237, 347-360.	4.9	26
89	Simple smoothness indicator and multi-level adaptive order WENO scheme for hyperbolic conservation laws. <i>Journal of Computational Physics</i> , 2018, 375, 1059-1090.	3.8	26
90	Review on arsenic removal using biochar-based materials. <i>Groundwater for Sustainable Development</i> , 2022, 17, 100740.	4.6	26

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91	Towards ambient pressure leaching of boehmite through mechanical activation. <i>Hydrometallurgy</i> , 2014, 144-145, 99-106.	4.3	25
92	Development of an efficient and reproducible regeneration system in wheat (<i>Triticum aestivum</i> L.). <i>Physiology and Molecular Biology of Plants</i> , 2017, 23, 945-954.	3.1	25
93	In silico modeling of bone adaptation to rest-inserted loading: Strain energy density versus fluid flow as stimulus. <i>Journal of Theoretical Biology</i> , 2018, 446, 110-127.	1.7	25
94	Catalyst-Free Synthesis of 2-Anilinoquinolines and 3-Hydroxyquinolines via Three-Component Reaction of Quinoline <i>N</i> -Oxides, Aryldiazonium Salts, and Acetonitrile. <i>Journal of Organic Chemistry</i> , 2019, 84, 6962-6969.	3.2	25
95	Canalicular fluid flow induced by loading waveforms: A comparative analysis. <i>Journal of Theoretical Biology</i> , 2019, 471, 59-73.	1.7	25
96	Leaching behaviour of high surface area synthetic boehmite in NaOH solution. <i>Hydrometallurgy</i> , 2013, 137, 23-32.	4.3	24
97	Synthesis of Differentially Substituted 2-Aminoimidazolidines via a Microwave-Assisted Tandem Staudinger/Aza-Wittig Cyclization. <i>Journal of Organic Chemistry</i> , 2013, 78, 5737-5743.	3.2	24
98	M/M/1/N Queuing System with Retention of Reneged Customers. <i>Pakistan Journal of Statistics and Operation Research</i> , 2012, 8, 859.	1.1	24
99	Synthesis and SAR investigation of natural phenylpropene-derived methoxylated cinnamaldehydes and their novel Schiff bases as potent antimicrobial and antioxidant agents. <i>Medicinal Chemistry Research</i> , 2013, 22, 5129-5140.	2.4	23
100	Identification of novel inhibitors of the translationally controlled tumor protein (TCTP): insights from molecular dynamics. <i>Molecular BioSystems</i> , 2017, 13, 510-524.	2.9	23
101	Activation of transient receptor potential vanilloid 1 by lipoxygenase metabolites depends on PKC phosphorylation. <i>FASEB Journal</i> , 2017, 31, 1238-1247.	0.5	23
102	Recycling of Secondary Tungsten Resources. <i>Transactions of the Indian Institute of Metals</i> , 2017, 70, 479-485.	1.5	23
103	A high potency multi-strain probiotic improves glycemic control in children with new-onset type 1 diabetes mellitus: A randomized, double-blind, and placebo-controlled pilot study. <i>Pediatric Diabetes</i> , 2021, 22, 1014-1022.	2.9	23
104	Do ownership structures and governance attributes matter for corporate sustainability reporting? An examination in the Indian context. <i>Management of Environmental Quality</i> , 2022, 33, 1077-1096.	4.3	23
105	Transient solution of a Markovian queuing model with heterogeneous servers and catastrophes. <i>Opsearch</i> , 2015, 52, 810-826.	1.8	22
106	Photochromic properties of the molecule Azure A chloride in polyvinyl alcohol matrix. <i>Journal of Molecular Structure</i> , 2015, 1101, 109-115.	3.6	22
107	Transient analysis of an <i>M/M/1/c</i> queuing system with balking and retention of reneged customers. <i>Communications in Statistics - Theory and Methods</i> , 2018, 47, 1318-1327.	1.0	22
108	Catalyst and Additive-Free Diastereoselective 1,3-Dipolar Cycloaddition of Quinolinium Imides with Olefins, Maleimides, and Benzynes: Direct Access to Fused <i>N,N</i> - α^2 -Heterocycles with Promising Activity against a Drug-Resistant Malaria Parasite. <i>Journal of Organic Chemistry</i> , 2018, 83, 11552-11570.	3.2	22

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109	Regioselective Arylation of Quinoline <i>N</i> -Oxides (C8), Indolines (C7) and <i>N</i> - <i>tert</i> -Butylbenzamide with Arylboronic Acids. ACS Omega, 2020, 5, 904-913.	3.5	22
110	Metal- and Solvent-Free Multicomponent Decarboxylative A ³ -Coupling for the Synthesis of Propargylamines: Experimental, Computational, and Biological Investigations. Journal of Organic Chemistry, 2020, 85, 2231-2241.	3.2	22
111	C ₇₀ Fullerene Catalyzed Photoinduced Aerobic Oxidation of Benzylamines to Imines and Aldehydes. Journal of Organic Chemistry, 2021, 86, 6449-6457.	3.2	22
112	Effects of chemical reactions on unsteady MHD free convection and mass transfer for flow past a hot vertical porous plate with heat generation/absorption through porous medium. Indian Journal of Physics, 2010, 84, 93-106.	1.8	20
113	Tandem allylic oxidation–condensation/esterification catalyzed by silica gel: an expeditious approach towards antimalarial diaryldienones and enones from natural methoxylated phenylpropenes. Organic and Biomolecular Chemistry, 2011, 9, 5211.	2.8	20
114	Analysis of Mechanically Induced Reactivity of Boehmite Using Kinetics of Boehmite to γ -Al ₂ O ₃ Transformation. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2011, 42, 592-603.	2.1	20
115	Enantiomeric separation of pharmaceutically important drug intermediates using a Metagenomic lipase and optimization of its large scale production. International Journal of Biological Macromolecules, 2017, 95, 995-1003.	7.5	20
116	Clinical efficacy of Professional Continuous Glucose Monitoring in improving glycemic control among children with Type 1 Diabetes Mellitus: An Open-label Randomized Control Trial. Scientific Reports, 2019, 9, 6120.	3.3	20
117	Nanoparticle impact on discharging of PCM through a thermal storage involving numerical modeling for heat transfer and irreversibility. Powder Technology, 2020, 376, 424-437.	4.2	20
118	Co(III)-Catalyzed C–H Amidation of Nitrogen-Containing Heterocycles with Dioxazolones under Mild Conditions. Journal of Organic Chemistry, 2020, 85, 9244-9254.	3.2	20
119	Rh(III)-Catalyzed Regioselective C8-Alkylation of Quinoline <i>N</i> -Oxides with Maleimides and Acrylates. Journal of Organic Chemistry, 2021, 86, 6612-6621.	3.2	20
120	Influence of mechanical activation on the synthesis and hydraulic activity of calcium dialuminate. Ceramics International, 2006, 32, 555-560.	4.8	19
121	Expedient synthesis of β -substituted fluoroethenes. Organic and Biomolecular Chemistry, 2012, 10, 3164.	2.8	19
122	Chalcones as promising pesticidal agents against diamondback moth (<i>Plutella xylostella</i>): microwave-assisted synthesis and structure–activity relationship. Medicinal Chemistry Research, 2012, 21, 922-931.	2.4	19
123	Characterization and evolution of a metagenome-derived lipase towards enhanced enzyme activity and thermostability. Molecular and Cellular Biochemistry, 2013, 373, 149-159.	3.1	19
124	Cp*Rh ^{III} -Catalyzed Sterically Controlled C(sp ³)–H Selective Mono- and Diarylation of 8-Methylquinolines with Organoborons**. Chemistry - A European Journal, 2020, 26, 4396-4402.	3.3	19
125	A framework for effective and clean conversion of machining waste into metal powder feedstock for additive manufacturing. Cleaner Engineering and Technology, 2021, 4, 100151.	4.0	19
126	Combinatorial reshaping of a lipase structure for thermostability: Additive role of surface stabilizing single point mutations. Biochemical and Biophysical Research Communications, 2014, 447, 626-632.	2.1	18

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127	Geometry optimization and excited state properties of the new symmetric (E)-Stillbene derivative for application in thermostable polarizing PVA-films: A combined experimental and DFT approach. Journal of Molecular Structure, 2016, 1119, 423-430.	3.6	18
128	Functions for fission yeast splicing factors SpSlu7 and SpPrp18 in alternative splice-site choice and stress-specific regulated splicing. PLoS ONE, 2017, 12, e0188159.	2.5	18
129	Structure, molecular dynamics simulation, and docking studies of Dictyostelium discoideum and human STRAPs. Journal of Cellular Biochemistry, 2018, 119, 7177-7191.	2.6	18
130	Exploration of Thermal-Diffusion and Diffusion-Thermal Effects on the Motion of Temperature-Dependent Viscous Fluid Conveying Microorganism. Arabian Journal for Science and Engineering, 2019, 44, 8023-8033.	3.0	18
131	Effects of infinite occurrence of hybrid impulses with quasi-synchronization of parameter mismatched neural networks. Neural Networks, 2020, 122, 106-116.	5.9	18
132	Three dimensional stagnation flow of Casson nanofluid through Darcy-Forchheimer space: A reduction to Blasius/Sakiadis flow. Chinese Journal of Physics, 2020, 68, 874-885.	3.9	18
133	Effects of heterogeneous impulses on synchronization of complex-valued neural networks with mixed time-varying delays. Information Sciences, 2021, 551, 228-244.	6.9	18
134	Role of epigenetics in carcinogenesis: Recent advancements in anticancer therapy. Seminars in Cancer Biology, 2022, 83, 441-451.	9.6	18
135	Equilibrium sorption of fluoride on the activated alumina in aqueous solution. , 0, 197, 224-236.		18
136	Water-promoted cascade synthesis of α -arylaldehydes from arylalkenes using N-halosuccinimides: an avenue for asymmetric oxidation using Cinchona organocatalysis. Chemical Communications, 2009, , 5299.	4.1	17
137	Tyrosine Residue in the TRPV1 Vanilloid Binding Pocket Regulates Deactivation Kinetics. Journal of Biological Chemistry, 2016, 291, 13855-13863.	3.4	17
138	Efficient seventh order WENO schemes of adaptive order for hyperbolic conservation laws. Computers and Fluids, 2019, 190, 49-76.	2.5	17
139	Hydrogen distribution in metallic polycrystals with deformation. Journal of the Mechanics and Physics of Solids, 2020, 135, 103776.	4.8	17
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