

# Ashwani Kumar

## List of Publications by Year in descending order

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282  
papers

8,142  
citations

53794

45  
h-index

79698

73  
g-index

284  
all docs

284  
docs citations

284  
times ranked

8465  
citing authors

#	ARTICLE	IF	CITATIONS
1	Probiotics, their health benefits and applications for developing healthier foods: a review. FEMS Microbiology Letters, 2012, 334, 1-15.	1.8	357
2	<i>Mycobacterium tuberculosis</i> DosS is a redox sensor and DosT is a hypoxia sensor. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 11568-11573.	7.1	306
3	An analysis of barriers affecting the implementation of e-waste management practices in India: A novel ISM-DEMATEL approach. Sustainable Production and Consumption, 2018, 14, 36-52.	11.0	232
4	Heme Oxygenase-1-derived Carbon Monoxide Induces the <i>Mycobacterium tuberculosis</i> Dormancy Regulon. Journal of Biological Chemistry, 2008, 283, 18032-18039.	3.4	203
5	Microbial alkaline proteases: Optimization of production parameters and their properties. Journal of Genetic Engineering and Biotechnology, 2017, 15, 115-126.	3.3	186
6	Industry 4.0, cleaner production and circular economy: An integrative framework for evaluating ethical and sustainable business performance of manufacturing organizations. Journal of Cleaner Production, 2021, 295, 126253.	9.3	169
7	Millet: a solution to agrarian and nutritional challenges. Agriculture and Food Security, 2018, 7, .	4.2	165
8	Redox homeostasis in mycobacteria: the key to tuberculosis control?. Expert Reviews in Molecular Medicine, 2011, 13, e39.	3.9	153
9	Dissecting virulence pathways of <i>Mycobacterium tuberculosis</i> through protein-protein association. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 11346-11351.	7.1	148
10	Green synthesis and anticancer potential of chalcone linked-1,2,3-triazoles. European Journal of Medicinal Chemistry, 2017, 126, 944-953.	5.5	144
11	Thiol reductive stress induces cellulose-anchored biofilm formation in <i>Mycobacterium tuberculosis</i> . Nature Communications, 2016, 7, 11392.	12.8	137
12	Chromofluorescent Probes for Selective Detection of Fluoride and Acetate Ions. Organic Letters, 2008, 10, 5549-5552.	4.6	125
13	Evaluating green performance of the airports using hybrid BWM and VIKOR methodology. Tourism Management, 2020, 76, 103941.	9.8	122
14	Design, synthesis, characterization, antimicrobial evaluation and molecular modeling studies of some dehydroacetic acid-chalcone-1,2,3-triazole hybrids. Bioorganic Chemistry, 2018, 77, 236-244.	4.1	107
15	Assessing enablers of e-waste management in circular economy using DEMATEL method: An Indian perspective. Environmental Science and Pollution Research, 2020, 27, 13325-13338.	5.3	103
16	Biofilm formation in the lung contributes to virulence and drug tolerance of <i>Mycobacterium tuberculosis</i> . Nature Communications, 2021, 12, 1606.	12.8	99
17	Evaluating critical barriers to implementation of WEEE management using DEMATEL approach. Resources, Conservation and Recycling, 2018, 131, 101-121.	10.8	96
18	Synthesis, crystal structure and antimicrobial potential of some fluorinated chalcone-1,2,3-triazole conjugates. European Journal of Medicinal Chemistry, 2018, 155, 263-274.	5.5	96

#	ARTICLE	IF	CITATIONS
19	Health effects, sources, utilization and safety of tannins: a critical review. <i>Toxin Reviews</i> , 2021, 40, 432-444.	3.4	90
20	Object detection in real time based on improved single shot multi-box detector algorithm. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2020, 2020, .	2.4	90
21	A Review on Microbial Alkaline Protease: An Essential Tool for Various Industrial Approaches. <i>Industrial Biotechnology</i> , 2019, 15, 69-78.	0.8	84
22	Redox Biology of Tuberculosis Pathogenesis. <i>Advances in Microbial Physiology</i> , 2012, 60, 263-324.	2.4	69
23	Pyrene-appended imidazolium probe for 2,4,6-trinitrophenol in water. <i>Sensors and Actuators B: Chemical</i> , 2016, 231, 293-301.	7.8	67
24	Considerations for development of lactose-free food. <i>Journal of Nutrition &amp; Intermediary Metabolism</i> , 2019, 15, 27-34.	1.7	66
25	Critical success factors influencing artificial intelligence adoption in food supply chains. <i>International Journal of Production Research</i> , 2022, 60, 4621-4640.	7.5	66
26	Analysis of Expression Profile of Mammalian Cell Entry ( mce ) Operons of Mycobacterium tuberculosis. <i>Infection and Immunity</i> , 2003, 71, 6083-6087.	2.2	64
27	Object Detection System Based on Convolution Neural Networks Using Single Shot Multi-Box Detector. <i>Procedia Computer Science</i> , 2020, 171, 2610-2617.	2.0	63
28	Comparison of mammalian cell entry operons of mycobacteria: in silico analysis and expression profiling. <i>FEMS Immunology and Medical Microbiology</i> , 2005, 43, 185-195.	2.7	62
29	Inhibition of Adipogenesis and Induction of Apoptosis and Lipolysis by Stem Bromelain in 3T3-L1 Adipocytes. <i>PLoS ONE</i> , 2012, 7, e30831.	2.5	62
30	New 1,8-naphthalimide-conjugated sulfonamide probes for TNP sensing in water. <i>Sensors and Actuators B: Chemical</i> , 2017, 240, 1-9.	7.8	61
31	Exploring sustainability of smart development initiatives in India. <i>International Journal of Sustainable Built Environment</i> , 2017, 6, 701-710.	3.2	59
32	Bioenergetics of Mycobacterium: An Emerging Landscape for Drug Discovery. <i>Pathogens</i> , 2018, 7, 24.	2.8	57
33	How much successful are the medicinal chemists in modulation of SIRT1: A critical review. <i>European Journal of Medicinal Chemistry</i> , 2016, 119, 45-69.	5.5	56
34	Synthesis and biological evaluation of amino acid-linked 1,2,3-bis-triazole conjugates as potential antimicrobial agents. <i>Medicinal Chemistry Research</i> , 2014, 23, 2995-3004.	2.4	55
35	The mechanism of redox sensing in Mycobacterium tuberculosis. <i>Free Radical Biology and Medicine</i> , 2012, 53, 1625-1641.	2.9	54
36	Imaging the NADH:NAD+ Homeostasis for Understanding the Metabolic Response of Mycobacterium to Physiologically Relevant Stresses. <i>Frontiers in Cellular and Infection Microbiology</i> , 2016, 6, 145.	3.9	54

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37	Design of Secure Image Fusion Technique Using Cloud for Privacy-Preserving and Copyright Protection. <i>International Journal of Cloud Applications and Computing</i> , 2019, 9, 22-36.	2.0	54
38	5-Fluoro-1H-indole-2,3-dione-triazoles- synthesis, biological activity, molecular docking, and DFT study. <i>Journal of Molecular Structure</i> , 2020, 1209, 127982.	3.6	53
39	ProCarDB: a database of bacterial carotenoids. <i>BMC Microbiology</i> , 2016, 16, 96.	3.3	52
40	Optimization of laccase production from <i>Aspergillus flavus</i> by design of experiment technique: Partial purification and characterization. <i>Journal of Genetic Engineering and Biotechnology</i> , 2016, 14, 125-131.	3.3	52
41	Synthesis, characterization and antimicrobial activity of 4-((1-benzyl/phenyl-1H-1,2,3-triazol-4-yl)methoxy)benzaldehyde analogues. <i>Medicinal Chemistry Research</i> , 2016, 25, 644-652.	2.4	51
42	Diffusion-Controlled Faradaic Charge Storage in High-Performance Solid Electrolyte-Gated Zinc Oxide Thin-Film Transistors. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 9782-9791.	8.0	51
43	Synthesis, molecular docking and QSAR study of thiazole clubbed pyrazole hybrid as $\alpha$ -amylase inhibitor. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021, 39, 91-107.	3.5	51
44	Synthesis, antibacterial evaluation and QSAR studies of 7-[4-(5-aryl-1,3,4-oxadiazole-2-yl)piperazinyl] quinolone derivatives. <i>European Journal of Medicinal Chemistry</i> , 2011, 46, 3543-3550.	5.5	49
45	The development of lower respiratory tract microbiome in mice. <i>Microbiome</i> , 2017, 5, 61.	11.1	49
46	Human IL10 Gene Repression by Rev-erb $\alpha$ Ameliorates Mycobacterium tuberculosis Clearance. <i>Journal of Biological Chemistry</i> , 2013, 288, 10692-10702.	3.4	47
47	Synthesis, characterization, $\alpha$ -glucosidase inhibition and molecular modeling studies of some pyrazoline-1H-1,2,3-triazole hybrids. <i>Journal of Molecular Structure</i> , 2020, 1216, 128253.	3.6	47
48	Synthesis, molecular docking and DFT studies on biologically active 1,4-disubstituted-1,2,3-triazole-semicarbazone hybrid molecules. <i>New Journal of Chemistry</i> , 2019, 43, 8052-8058.	2.8	46
49	CORAL: QSAR models of CB1 cannabinoid receptor inhibitors based on local and global SMILES attributes with the index of ideality of correlation and the correlation contradiction index. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2020, 200, 103982.	3.5	46
50	Engineering Multifunctionality in Hybrid Polyoxometalates: Aromatic Sulfonium Octamolybdates as Excellent Photochromic Materials and Self-Separating Catalysts for Epoxidation. <i>Inorganic Chemistry</i> , 2017, 56, 10325-10336.	4.0	44
51	Ameliorants and salt tolerant varieties improve rice-wheat production in soils undergoing sodification with alkali water irrigation in Indo-Gangetic Plains of India. <i>Agricultural Water Management</i> , 2021, 243, 106492.	5.6	44
52	Fast and reversible hydrogen sensing properties of Pd/Mg thin film modified by hydrophobic porous silicon substrate. <i>Sensors and Actuators B: Chemical</i> , 2015, 213, 252-260.	7.8	43
53	QSAR Models for Nitrogen Containing Monophosphonate and Bisphosphonate Derivatives as Human Farnesyl Pyrophosphate Synthase Inhibitors Based on Monte Carlo Method. <i>Drug Research</i> , 2019, 69, 159-167.	1.7	43
54	Nanoemulsions: Techniques for the preparation and the recent advances in their food applications. <i>Innovative Food Science and Emerging Technologies</i> , 2022, 76, 102914.	5.6	43

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55	Synthesis and antidiabetic evaluation of benzimidazole- $\epsilon$ -ethered 1,2,3-triazoles. <i>Archiv Der Pharmazie</i> , 2020, 353, e2000090.	4.1	42
56	Cytotoxicity of quantum dots: Use of quasiSMILES in development of reliable models with index of ideality of correlation and the consensus modelling. <i>Journal of Hazardous Materials</i> , 2021, 402, 123777.	12.4	42
57	A pyrenesulfonyl-imidazolium derivative as a selective cyanide ion sensor in aqueous media. <i>New Journal of Chemistry</i> , 2015, 39, 2935-2942.	2.8	41
58	A room temperature hydrogen sensor based on Pd-Mg alloy and multilayers prepared by magnetron sputtering. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 15549-15555.	7.1	40
59	Electronically tuned sulfonamide-based probes with ultra-sensitivity for Ga <sup>3+</sup> or Al <sup>3+</sup> detection in aqueous solution. <i>Analytica Chimica Acta</i> , 2017, 958, 38-50.	5.4	40
60	A novel hybrid MCDM framework for WEEE recycling partner evaluation on the basis of green competencies. <i>Journal of Cleaner Production</i> , 2019, 241, 118017.	9.3	40
61	Nucleobase sequence based building up of reliable QSAR models with the index of ideality correlation using Monte Carlo method. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020, 38, 3296-3306.	3.5	40
62	Available transfer capability assessment in a competitive electricity market using a bifurcation approach. <i>IET Generation, Transmission and Distribution</i> , 2004, 151, 133.	1.1	38
63	N,N-dimethylaminoethylaminoanthrone – A chromofluorogenic chemosensor for estimation of Cu <sup>2+</sup> in aqueous medium and HeLa cells imaging. <i>Sensors and Actuators B: Chemical</i> , 2013, 177, 904-912.	7.8	38
64	An Object Detection Technique For Blind People in Real-Time Using Deep Neural Network. , 2019, , .		38
65	Monte Carlo Method Based QSAR Studies of Mer Kinase Inhibitors in Compliance with OECD Principles. <i>Drug Research</i> , 2018, 68, 189-195.	1.7	37
66	Development of a framework for selecting a sustainable location of waste electrical and electronic equipment recycling plant in emerging economies. <i>Journal of Cleaner Production</i> , 2020, 277, 122645.	9.3	37
67	Fluorescence tunable thiophene-bis(benzimidazole)-based probes for a cascade trace detection of Hg <sup>2+</sup> and lysine: A molecular switch mimic. <i>Sensors and Actuators B: Chemical</i> , 2019, 281, 933-944.	7.8	36
68	Design, synthesis, biological activity, molecular docking and computational studies on novel 1,4-disubstituted-1,2,3-Triazole-Thiosemicarbazone hybrid molecules. <i>Journal of Molecular Structure</i> , 2020, 1209, 127951.	3.6	36
69	Hydrogen sulfide-induced GAPDH sulfhydration disrupts the CCAR2-SIRT1 interaction to initiate autophagy. <i>Autophagy</i> , 2021, 17, 3511-3529.	9.1	36
70	Synthesis, antibacterial evaluation and QSAR analysis of Schiff base complexes derived from [2,2-(ethylenedioxy)bis(ethylamine)] and aromatic aldehydes. <i>MedChemComm</i> , 2016, 7, 932-947.	3.4	34
71	Host heme oxygenase-1: Friend or foe in tackling pathogens?. <i>IUBMB Life</i> , 2018, 70, 869-880.	3.4	34
72	The index of ideality of correlation: A statistical yardstick for better QSAR modeling of glucokinase activators. <i>Structural Chemistry</i> , 2020, 31, 831-839.	2.0	33

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73	Synthesis, characterization, biological activity, and QSAR studies of transition metal complexes derived from piperonylamine Schiff bases. <i>Chemical Papers</i> , 2018, 72, 2479-2502.	2.2	32
74	Antimicrobial evaluation, QSAR and docking studies of amide-linked 1,4-disubstituted 1,2,3-bis-triazoles. <i>Medicinal Chemistry Research</i> , 2015, 24, 3258-3271.	2.4	31
75	9-Anthracenecarboxamide fluorescent probes for selective discrimination of picric acid from mono- and di-nitrophenols in ethanol. <i>Tetrahedron Letters</i> , 2015, 56, 7094-7099.	1.4	31
76	Effect of glucose/lactose on the solution thermodynamics of thiamine hydrochloride in aqueous solutions at different temperatures. <i>Journal of Molecular Liquids</i> , 2017, 240, 642-655.	4.9	31
77	Antimycobacterial effect of IFNG (interferon gamma)-induced autophagy depends on HMOX1 (heme) Tj ETQq1 1 0.784314 rgBT /Overle PPP3/calcineurin-TFEB (transcription factor EB) axis. <i>Autophagy</i> , 2018, 14, 1-20.	9.1	31
78	Environmental Heme-Based Sensor Proteins: Implications for Understanding Bacterial Pathogenesis. <i>Antioxidants and Redox Signaling</i> , 2012, 17, 1232-1245.	5.4	30
79	Reductive Stress: New Insights in Physiology and Drug Tolerance of <i>Mycobacterium</i> . <i>Antioxidants and Redox Signaling</i> , 2020, 32, 1348-1366.	5.4	30
80	A dual-responsive anthrapyridone-triazole-based probe for selective detection of Ni <sup>2+</sup> and Cu <sup>2+</sup> : A mimetic system for molecular logic gates based on color change. <i>Dyes and Pigments</i> , 2020, 174, 108092.	3.7	30
81	A novel anthrapyridone diamine-based probe for selective and distinctive Cu <sup>2+</sup> and Hg <sup>2+</sup> sensing in aqueous solution; utility as molecular logic gates. <i>Dyes and Pigments</i> , 2020, 181, 108522.	3.7	30
82	Viologen substituted anthrone derivatives for selective detection of cyanide ions using voltammetry. <i>Analytical Methods</i> , 2013, 5, 5565.	2.7	29
83	Solvation behaviour of some amino acids in aqueous solutions of an antibiotic drug streptomycin sulfate at different temperatures: Volumetric, acoustic and viscometric approach. <i>Journal of Molecular Liquids</i> , 2016, 224, 1142-1153.	4.9	29
84	Synthesis and antimicrobial evaluation of 1,4-disubstituted 1,2,3-triazoles containing benzofused N-heteroaromatic moieties. <i>Monatshefte für Chemie</i> , 2016, 147, 817-828.	1.8	29
85	QSAR Differential Model for Prediction of SIRT1 Modulation using Monte Carlo Method. <i>Drug Research</i> , 2017, 67, 156-162.	1.7	29
86	Volumetric, acoustic and transport properties of ternary solutions of l-serine and l-arginine in aqueous solutions of thiamine hydrochloride at different temperatures. <i>Journal of Chemical Thermodynamics</i> , 2019, 135, 260-277.	2.0	29
87	Design, synthesis, antimicrobial evaluation and docking studies of urea-triazole-amide hybrids. <i>Journal of Molecular Structure</i> , 2020, 1215, 128234.	3.6	29
88	One-pot synthesis and cytotoxic evaluation of amide-linked 1,4-disubstituted 1,2,3-bis-triazoles. <i>Medicinal Chemistry Research</i> , 2014, 23, 4761-4770.	2.4	27
89	Aggregation induced emission enhancement behavior of conformationally rigid pyreneamide-based probe for ultra-trace detection of picric acid (PA). <i>Dyes and Pigments</i> , 2018, 156, 307-317.	3.7	27
90	A sequential stochastic mixed integer programming model for tactical master surgery scheduling. <i>European Journal of Operational Research</i> , 2018, 270, 734-746.	5.7	27

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91	Quantitative structure toxicity analysis of ionic liquids toward acetylcholinesterase enzyme using novel QSTR models with index of ideality of correlation and correlation contradiction index. Journal of Molecular Liquids, 2020, 318, 114055.	4.9	27

92	An efficient synthesis of pyrazole chalcones under solvent free conditions at room temperature. Chinese Chemical Letters, 2011, 22, 37-40.	9.0	26
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93	Efficient synthesis and antimicrobial evaluation of		
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109	Anthroneamine based chromofluorogenic probes for Hg <sup>2+</sup> detection in aqueous solution. <i>Tetrahedron Letters</i> , 2012, 53, 2030-2034.	1.4	21
110	Study of binding of pyridoacridine alkaloids on topoisomerase II using in silico tools. <i>Medicinal Chemistry Research</i> , 2013, 22, 5431-5441.	2.4	21
111	Selective fluorescence sensing of salicylic acids using a simple pyrenesulfonamide receptor. <i>RSC Advances</i> , 2015, 5, 23613-23621.	3.6	21
112	Pyrenebutylamidopropylimidazole as a multi-analyte sensor for 3,5-dinitrosalicylic acid and Hg <sup>2+</sup> ions. <i>Journal of Luminescence</i> , 2016, 172, 309-316.	3.1	21
113	Potential of <i>Colocasia</i> leaves in human nutrition: Review on nutritional and phytochemical properties. <i>Journal of Food Biochemistry</i> , 2019, 43, e12878.	2.9	21
114	Apparent molar volume, isentropic compressibilities, viscosity B-coefficients and activation parameters of thiamine hydrochloride in aqueous solutions of saccharides at different temperatures. <i>Journal of Chemical Thermodynamics</i> , 2020, 150, 106228.	2.0	21
115	Synthesis, Antimicrobial Activity, Molecular Docking and DFT Study: Aryl Carbamic Acid 1-Benzyl-1H-1,2,3-Triazol-4-ylmethyl Esters. <i>ChemistrySelect</i> , 2020, 5, 6723-6729.	1.5	21
116	9-N-Alkylaminomethylanthracene probes for selective fluorescence sensing of pentafluorophenol. <i>RSC Advances</i> , 2015, 5, 81808-81816.	3.6	20
117	Regioselective synthesis and antimicrobial studies of ester linked 1,4-disubstituted 1,2,3-bis-triazoles. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 4353-4357.	2.2	19
118	Estrogenic and Anti-Alzheimer's studies of <i>Zingiber officinalis</i> as well as <i>Amomum subulatum</i> Roxb.: the success story of dry techniques. <i>Medicinal Chemistry Research</i> , 2015, 24, 1089-1097.	2.4	19
119	Synthesis and antimicrobial evaluation of ester-linked 1,4-disubstituted 1,2,3-triazoles with a furyl/thienyl moiety. <i>Molecular Diversity</i> , 2017, 21, 137-145.	3.9	19
120	Synthesis, antimicrobial evaluation and docking study of triazole containing triaryl-1H-imidazole. <i>Synthetic Communications</i> , 2019, 49, 1427-1435.	2.1	19
121	Salt Tolerant Eggplant Rootstocks Modulate Sodium Partitioning in Tomato Scion and Improve Performance under Saline Conditions. <i>Agriculture (Switzerland)</i> , 2022, 12, 183.	3.1	19
122	3-Aryl-2-[4-[4-(2,4-dioxothiazolidin-5-ylmethyl)phenoxy]-phenyl]-acrylic acid alkyl ester: synthesis and antihyperglycemic evaluation. <i>Medicinal Chemistry Research</i> , 2011, 20, 678-686.	2.4	18
123	Imidazole-appended 9,10-anthracenedicarboxamide probe for sensing nitrophenols and selective determination of 2,4,6-trinitrophenol in an EtOH-water medium. <i>RSC Advances</i> , 2016, 6, 68627-68637.	3.6	18
124	A simple and dual responsive ultrasensitive thioether-functionalized pyrenesulfonamide for the cascade detection of mercury ion and dithiouracil, a mimetic system for molecular logic gates. <i>Sensors and Actuators B: Chemical</i> , 2017, 251, 416-426.	7.8	18
125	Facile Synthesis of an Organic Solid State Near-Infrared-Emitter with Large Stokes Shift via Excited-State Intramolecular Proton Transfer. <i>ACS Omega</i> , 2018, 3, 14341-14348.	3.5	18
126	Object Recognition and Detection in Remote Sensing Images: A Comparative Study. , 2020, , .		18



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127	Identification of good and bad fragments of tricyclic triazinone analogues as potential PKC- $\delta$ inhibitors through SMILES-based QSAR and molecular docking. <i>Structural Chemistry</i> , 2021, 32, 149-165.	2.0	18
128	Synthesis, characterization, and quantitative structure-activity relationship studies of bioactive dehydroacetic acid and amino ether Schiff base complexes. <i>Heteroatom Chemistry</i> , 2016, 27, 361-371.	0.7	17
129	Waterlogging effects on elemental composition of wheat genotypes in sodic soils. <i>Journal of Plant Nutrition</i> , 2018, 41, 1252-1262.	1.9	17
130	Process optimization for the development of a synbiotic beverage based on lactic acid fermentation of nutriceals and milk-based beverage. <i>LWT - Food Science and Technology</i> , 2020, 131, 109774.	5.2	17
131	Modelling and prioritizing the factors for online apparel return using BWM approach. <i>Electronic Commerce Research</i> , 2022, 22, 843-873.	5.0	17
132	Analysis of interactions between streptomycin sulphate and aqueous food acids (L-ascorbic acid and) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf</i> 151, 106207.	2.0	17
133	Internal electric field driven chromofluorescent chemodosimeter for fluoride ions. <i>Sensors and Actuators B: Chemical</i> , 2010, 145, 1-6.	7.8	16
134	Regioselective Synthesis, Antimicrobial Evaluation and QSAR Studies of Some 3- <i>Aryl</i> -1-heteroarylindeno[1,2- <i>bc</i> ]pyrazol-4(1 <i>H</i> )-ones. <i>Journal of Heterocyclic Chemistry</i> , 2017, 54, 1327-1341.	1.7	16
135	Functional annotation of differentially expressed genes under salt stress in <i>Dichanthium annulatum</i> . <i>Plant Physiology Reports</i> , 2019, 24, 104-111.	1.5	16
136	Natural sweeteners: health benefits of stevia. <i>Foods and Raw Materials</i> , 2018, 6, 392-402.	2.1	16
137	Oxazolone-1,2,3-Triazole Hybrids: Design, Synthesis and Antimicrobial Evaluation. <i>Current Topics in Medicinal Chemistry</i> , 2018, 18, 1506-1513.	2.1	16
138	Iodobenzene diacetate (IBD) catalyzed a quick oxidative aromatization of Hantzsch-1,4-dihydropyridines to pyridines under ultrasonic irradiation. <i>Ultrasonics Sonochemistry</i> , 2012, 19, 729-735.	8.2	15
139	A new and efficient buyer-seller digital Watermarking protocol using identity based technique for copyright protection. , 2015, , .		15
140	Synthesis, spectral, and in vitro antimicrobial studies of organosilicon(IV) complexes with Schiff bases derived from dehydroacetic acid. <i>Monatshefte für Chemie</i> , 2016, 147, 2195-2207.	1.8	15
141	In vitro and field efficacy of fungicides against sheath blight of rice and post-harvest fungicide residue in soil, husk, and brown rice using gas chromatography-tandem mass spectrometry. <i>Environmental Monitoring and Assessment</i> , 2018, 190, 503.	2.7	15
142	Halophytes: The Plants of Therapeutic Medicine. , 2019, , 271-287.		15
143	Binary metal zinc-lead perovskite built-in air ambient: Towards lead-less and stable perovskite materials. <i>Solar Energy Materials and Solar Cells</i> , 2019, 191, 339-344.	6.2	15
144	Solution properties of an antidiabetic drug metformin hydrochloride in aqueous urea and thiourea solutions: A physicochemical study. <i>Journal of Molecular Liquids</i> , 2020, 300, 111985.	4.9	15

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145	Design, synthesis, antimicrobial evaluation and in silico studies of symmetrical bis (urea-1,2,3-triazole) hybrids. <i>Research on Chemical Intermediates</i> , 2021, 47, 1087-1103.	2.7	15
146	Facile synthesis, antimicrobial evaluation and molecular docking studies of pyrazole-imidazole-triazole hybrids. <i>Journal of Molecular Structure</i> , 2021, 1223, 129216.	3.6	15
147	Sensitive detection of DMSO/DMF in water, human urine and blood plasma using novel 1,8-naphthalimide-based amphiphilic spectroscopic probes. <i>Dyes and Pigments</i> , 2021, 189, 109240.	3.7	15
148	Salinity Stress Tolerance in Potato Cultivars: Evidence from Physiological and Biochemical Traits. <i>Plants</i> , 2022, 11, 1842.	3.5	15
149	Solvent-Free One Pot Synthesis of 2-Aryl/Heteroarylbenzothiazoles Using Hypervalent Iodine (III) Reagents. <i>Journal of Heterocyclic Chemistry</i> , 2012, 49, 1243-1249.	2.6	14
150	A radiation sensitive hybrid polymer based on an Mn-Anderson polyoxometalate cluster and a UV active organic monomer: synergistic effects lead to improved photocurrent in a photoresponse device. <i>RSC Advances</i> , 2015, 5, 36727-36731.	3.6	14
151	Synthesis and antibacterial studies of 2-aryl-3-alkanamido-4H-thiazolidin-4-one derivatives. <i>Arabian Journal of Chemistry</i> , 2016, 9, S290-S295.	4.9	14
152	Volumetric, Compressibility, Taste Behavior and Viscometric Studies of Methionine with Some Saccharides in Aqueous Medium at Different Temperatures. <i>Journal of Solution Chemistry</i> , 2017, 46, 931-956.	1.2	14
153	Development of nutriceals and milk-based beverage: Process optimization and validation of improved nutritional properties. <i>Journal of Food Process Engineering</i> , 2020, 43, e13025.	2.9	14
154	Synthesis, antimicrobial potency with in silico study of Boc-leucine-1,2,3-triazoles. <i>Steroids</i> , 2020, 161, 108675.	1.8	14
155	Terminal Respiratory Oxidases: A Targetable Vulnerability of Mycobacterial Bioenergetics?. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 589318.	3.9	14
156	An Expedient Oxidative Aromatization of Hantzsch 1,4-Dihydropyridines to Pyridines Using Cetyltrimethylammonium Peroxodisulfate: A Phase Transferring Oxidant. <i>Bulletin of the Korean Chemical Society</i> , 2010, 31, 2299-2303.	1.9	14
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