

Sreekanth B Jonnalagadda

List of Publications by Year in descending order

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377
papers

9,343
citations

61857

43
h-index

74018

75
g-index

400
all docs

400
docs citations

400
times ranked

8821
citing authors

#	ARTICLE	IF	CITATIONS
1	A Review on Recent Advances in Nitrogen-Containing Molecules and Their Biological Applications. <i>Molecules</i> , 2020, 25, 1909.	1.7	779
2	Recent advances in noble metal free doped graphitic carbon nitride based nanohybrids for photocatalysis of organic contaminants in water: A review. <i>Applied Materials Today</i> , 2019, 15, 494-524.	2.3	393
3	A review on contemporary Metal-Organic Framework materials. <i>Inorganica Chimica Acta</i> , 2016, 446, 61-74.	1.2	300
4	Water quality of the odzi river in the eastern highlands of zimbabwe. <i>Water Research</i> , 2001, 35, 2371-2376.	5.3	217
5	ZnO assisted photocatalytic degradation of acridine orange in aqueous solution using visible irradiation. <i>Desalination</i> , 2008, 232, 80-90.	4.0	188
6	Solar photocatalytic activity of nano-ZnO supported on activated carbon or brick grain particles: Role of adsorption in dye degradation. <i>Applied Catalysis A: General</i> , 2014, 486, 159-169.	2.2	164
7	1,2,4-Triazoles: A Review of Synthetic Approaches and the Biological Activity. <i>Letters in Organic Chemistry</i> , 2013, 10, 693-714.	0.2	160
8	Characteristics of MOF, MWCNT and graphene containing materials for hydrogen storage: A review. <i>Journal of Energy Chemistry</i> , 2019, 30, 132-144.	7.1	155
9	Photocatalytic mineralization study of malachite green on the surface of Mn-doped BiOCl activated by visible light under ambient condition. <i>Applied Surface Science</i> , 2011, 258, 247-253.	3.1	144
10	Facile Synthesis of Three-Dimensional Mg-Al Layered Double Hydroxide/Partially Reduced Graphene Oxide Nanocomposites for the Effective Removal of Pb ²⁺ from Aqueous Solution. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 17290-17305.	4.0	125
11	A review on novel composites of MWCNTs mediated semiconducting materials as photocatalysts in water treatment. <i>Science of the Total Environment</i> , 2019, 646, 1398-1412.	3.9	101
12	A review on multi-component green synthesis of N-containing heterocycles using mixed oxides as heterogeneous catalysts. <i>Arabian Journal of Chemistry</i> , 2020, 13, 1142-1178.	2.3	98
13	Selective catalytic Knoevenagel condensation by Ni-SiO ₂ supported heterogeneous catalysts: An environmentally benign approach. <i>Catalysis Communications</i> , 2009, 10, 365-369.	1.6	97
14	Effectiveness of carbon nanotube-cobalt ferrite nanocomposites for the adsorption of rhodamine B from aqueous solutions. <i>RSC Advances</i> , 2015, 5, 22724-22739.	1.7	92
15	Synthesis, antibacterial and antifungal activity of novel benzothiazole pyrimidine derivatives. <i>Arabian Journal of Chemistry</i> , 2016, 9, 681-687.	2.3	92
16	Elemental composition and chemical characteristics of five edible nuts (almond, Brazil, pecan,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 147 Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2007, 42, 585-591.	0.7	91
17	Synthesis of pyrazole-4-carbonitrile derivatives in aqueous media with CuO/ZrO ₂ as recyclable catalyst. <i>Catalysis Communications</i> , 2015, 61, 26-30.	1.6	77
18	Swift and Selective Reduction of Nitroaromatics to Aromatic Amines with Ni-Boride-Silica Catalysts System at Low Temperature. <i>Catalysis Letters</i> , 2008, 123, 264-268.	1.4	74

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19	Mn doped ZrO ₂ as a green, efficient and reusable heterogeneous catalyst for the multicomponent synthesis of pyrano[2,3-d]-pyrimidine derivatives. RSC Advances, 2015, 5, 37360-37366.	1.7	74
20	Ultrasonic-accelerated rapid protocol for the improved synthesis of pyrazoles. Ultrasonics Sonochemistry, 2015, 27, 423-429.	3.8	73
21	Zero valent iron-brick grain nanocomposite for enhanced solar-Fenton removal of malachite green. Separation and Purification Technology, 2014, 133, 429-437.	3.9	70
22	Organo functionalized graphene with Pd nanoparticles and its excellent catalytic activity for Suzuki coupling reaction. Applied Catalysis A: General, 2015, 505, 539-547.	2.2	66
23	Recent advances in heterogeneous catalysts for the synthesis of imidazole derivatives. Synthetic Communications, 2019, 49, 2437-2459.	1.1	66
24	Ag/SiO ₂ as a recyclable catalyst for the facile green synthesis of 3-methyl-4-(phenyl)methylene-isoxazole-5(4H)-ones. Research on Chemical Intermediates, 2016, 42, 2553-2566.	1.3	63
25	Mineralization and toxicity reduction of textile dye neutral red in aqueous phase using BiOCl photocatalysis. Journal of Photochemistry and Photobiology B: Biology, 2012, 116, 48-55.	1.7	61
26	Photocatalytic mineralization of antibiotics using 60%WO ₃ /BiOCl stacked to graphene sand composite and chitosan. Arabian Journal of Chemistry, 2019, 12, 4627-4645.	2.3	61
27	Zn-VCO ₃ hydrotalcite: A highly efficient and reusable heterogeneous catalyst for the Hantzsch dihydropyridine reaction. Catalysis Communications, 2014, 45, 148-152.	1.6	60
28	A facile synthesis of Cu-Ni bimetallic nanoparticle supported organo functionalized graphene oxide as a catalyst for selective hydrogenation of <i>p</i> -nitrophenol and cinnamaldehyde. RSC Advances, 2017, 7, 2869-2879.	1.7	58
29	Novel iron doped calcium oxalates as promising heterogeneous catalysts for one-pot multi-component synthesis of pyranopyrazoles. RSC Advances, 2017, 7, 423-432.	1.7	58
30	Synthesis and characterization of amine functionalized graphene oxide and scope as catalyst for Knoevenagel condensation reaction. Catalysis Communications, 2017, 92, 31-34.	1.6	58
31	Experimental and DFT studies on the selective adsorption of Pb ²⁺ and Zn ²⁺ from aqueous solution by nitrogen-functionalized multiwalled carbon nanotubes. Separation and Purification Technology, 2017, 188, 174-187.	3.9	58
32	The characteristics and photocatalytic activities of BiOCl as highly efficient photocatalyst. Journal of Molecular Structure, 2012, 1007, 196-202.	1.8	56
33	An efficient method for the multicomponent synthesis of multisubstituted pyridines, a rapid procedure using Au/MgO as the catalyst. Tetrahedron Letters, 2014, 55, 4006-4010.	0.7	56
34	A comparison between observed and DFT calculations on structure of 5-(4-chlorophenyl)-2-amino-1,3,4-thiadiazole. Scientific Reports, 2019, 9, 19280.	1.6	50
35	Heavy Metal Uptake by Two Edible <i>Amaranthus</i> Herbs Grown on Soils Contaminated with Lead, Mercury, Cadmium, and Nickel. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2005, 40, 375-384.	0.7	49
36	Eco-efficient ultrasonic responsive synthesis of pyrimidines/pyridines. Ultrasonics Sonochemistry, 2014, 21, 472-477.	3.8	49

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37	Chlorine dioxide inactivation of <i>Pseudomonas aeruginosa</i> and <i>Staphylococcus aureus</i> in water: The kinetics and mechanism. <i>Journal of Water Process Engineering</i> , 2018, 26, 46-54.	2.6	49
38	Chemical preparation of activated carbon from <i>Acacia erioloba</i> seed pods using H ₂ SO ₄ as impregnating agent for water treatment: An environmentally benevolent approach. <i>Journal of Cleaner Production</i> , 2019, 237, 117689.	4.6	49
39	Ozone-initiated disinfection kinetics of <i>Escherichia coli</i> in water. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2009, 44, 48-56.	0.9	47
40	Photocatalytic degradation of 4-chloro-2-methylphenoxyacetic acid using W-doped TiO ₂ . <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2015, 312, 96-106.	2.0	46
41	Drug screening of rhodanine derivatives for antibacterial activity. <i>Expert Opinion on Drug Discovery</i> , 2020, 15, 203-229.	2.5	46
42	A facile, efficacious and reusable Sm ₂ O ₃ /ZrO ₂ catalyst for the novel synthesis of functionalized 1,4-dihydropyridine derivatives. <i>Catalysis Communications</i> , 2016, 79, 21-25.	1.6	45
43	A facile, efficient, and sustainable chitosan/CaHAp catalyst and one-pot synthesis of novel 2,6-diamino-pyran-3,5-dicarbonitriles. <i>Molecular Diversity</i> , 2017, 21, 247-255.	2.1	45
44	Nitrogen-functionalised carbon nanotubes as a novel adsorbent for the removal of Cu(II) from aqueous solution. <i>RSC Advances</i> , 2016, 6, 2731-2745.	1.7	44
45	Toxicity, bioavailability and metal speciation. <i>Comparative Biochemistry and Physiology C, Comparative Pharmacology and Toxicology</i> , 1993, 106, 585-595.	0.5	43
46	Synthesis and characterization of Pd(II) dispersed over diamine functionalized graphene oxide and its scope as a catalyst for selective oxidation. <i>Catalysis Science and Technology</i> , 2015, 5, 3235-3241.	2.1	43
47	Catalyst-free, one-pot, four-component green synthesis of functionalized 1-(2-fluorophenyl)-1,4-dihydropyridines under ultrasound irradiation. <i>New Journal of Chemistry</i> , 2016, 40, 5107-5112.	1.4	43
48	V ₂ O ₅ /ZrO ₂ as an efficient reusable catalyst for the facile, green, one-pot synthesis of novel functionalized 1,4-dihydropyridine derivatives. <i>Catalysis Today</i> , 2018, 309, 276-281.	2.2	41
49	Recent Advances in the Synthesis of Pyrazole Derivatives Using Multicomponent Reactions. <i>Current Organic Synthesis</i> , 2017, 14, .	0.7	41
50	Synthesis, Molecular Docking Study and in vitro Anticancer Activity of Tetrazole Linked Benzochromene Derivatives. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2017, 17, 464-470.	0.9	40
51	Elemental composition and fatty acid profile of the edible fruits of <i>Amatungula</i> (<i>Carissa macrocarpa</i>) and impact of soil quality on chemical characteristics. <i>Analytica Chimica Acta</i> , 2012, 730, 33-41.	2.6	39
52	Synthesis, Structure, and Properties of New Mg(II)-Metal-Organic Framework and Its Prowess as Catalyst in the Production of 4-H-Pyrans. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 2917-2924.	1.8	39
53	Synthesis, computational studies and antiproliferative activities of coumarin-tagged 1,3,4-oxadiazole conjugates against MDA-MB-231 and MCF-7 human breast cancer cells. <i>Bioorganic and Medicinal Chemistry</i> , 2018, 26, 5612-5623.	1.4	39
54	Dechlorination of tetrachloro-o-benzoquinone by ozonation catalyzed by cesium loaded metal oxides. <i>Applied Catalysis B: Environmental</i> , 2013, 138-139, 149-160.	10.8	38

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55	Hydrogenation of Levulinic Acid Using Formic Acid as a Hydrogen Source over Ni/SiO ₂ Catalysts. <i>Chemical Engineering and Technology</i> , 2017, 40, 719-726.	0.9	38
56	Synthesis and antimicrobial evaluation of novel pyrano[2,3-d]-pyrimidine bearing 1,2,3-triazoles. <i>Chemical Data Collections</i> , 2020, 28, 100486.	1.1	38
57	Complexation kinetics of Fe ²⁺ with 1,10-phenanthroline forming ferriin in acidic solutions. <i>International Journal of Chemical Kinetics</i> , 2008, 40, 515-523.	1.0	37
58	Ultrasound mediated green synthesis of pyrano[2,3-c]pyrazoles by using Mn doped ZrO ₂ . <i>Arabian Journal of Chemistry</i> , 2019, 12, 671-679.	2.3	37
59	Effect of surfactant concentration on active species generation and photocatalytic properties of TiO ₂ . <i>Applied Catalysis B: Environmental</i> , 2015, 176-177, 288-297.	10.8	36
60	Design of Carbon-carbon and Carbon-heteroatom Bond Formation Reactions under Green Conditions. <i>Current Organic Chemistry</i> , 2020, 23, 3154-3190.	0.9	36
61	Efficient conversion of 1,2-dichlorobenzene to mucochloric acid with ozonation catalyzed by V ₂ O ₅ loaded metal oxides. <i>Applied Catalysis B: Environmental</i> , 2012, 117-118, 18-28.	10.8	35
62	Ozone initiated dechlorination and degradation of trichlorophenol using Ce ⁴⁺ -Zr loaded metal oxides as catalysts. <i>Applied Catalysis B: Environmental</i> , 2013, 142-143, 129-141.	10.8	35
63	Chlorine dioxide oxidation of <i>Escherichia coli</i> in water – A study of the disinfection kinetics and mechanism. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2017, 52, 598-606.	0.9	35
64	A multicomponent, facile and catalyst-free microwave-assisted protocol for the synthesis of pyrazolo-[3,4- <i>b</i>]-quinolines under green conditions. <i>RSC Advances</i> , 2019, 9, 30768-30772.	1.7	35
65	Ce ⁴⁺ -Zr/SiO ₂ : a versatile reusable heterogeneous catalyst for three-component synthesis and solvent free oxidation of benzyl alcohol. <i>RSC Advances</i> , 2014, 4, 6602.	1.7	33
66	Synthesis of mesoporous Mn/TiO ₂ nanocomposites and investigating the photocatalytic properties in aqueous systems. <i>Environmental Science and Pollution Research</i> , 2015, 22, 211-222.	2.7	33
67	Efficacy of biochar in removal of organic pesticide, Bentazone from watershed systems. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2020, 55, 396-405.	0.7	33
68	Ce-V loaded metal oxides as catalysts for dechlorination of chloronitrophenol by ozone. <i>Applied Catalysis B: Environmental</i> , 2014, 150-151, 305-314.	10.8	32
69	MnO ₂ on hydroxyapatite: A green heterogeneous catalyst and synthesis of pyran-carboxamide derivatives. <i>Inorganic Chemistry Communication</i> , 2020, 112, 107706.	1.8	32
70	Synthesis, characterisation and catalytic activity of 4, 5-imidazoledicarboxylate ligated Co(II) and Cd(II) metal-organic coordination complexes. <i>Journal of Molecular Structure</i> , 2017, 1143, 153-162.	1.8	31
71	Stability-indicating RP-HPLC method development and validation for determination of nine impurities in apixaban tablet dosage forms. Robustness study by quality by design approach. <i>Biomedical Chromatography</i> , 2020, 34, e4719.	0.8	31
72	Ozone Initiated Ni/Metal Oxide Catalyzed Conversion of 1,2-Dichlorobenzene to Mucochloric Acid in Aqueous Solutions. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 2864-2873.	1.8	30

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73	Ultrasonic-mediated catalyst-free rapid protocol for the multicomponent synthesis of dihydroquinoline derivatives in aqueous media. <i>Green Chemistry Letters and Reviews</i> , 2014, 7, 131-136.	2.1	30
74	Ceria–Vanadia/Silica-Catalyzed Cascade for C–C and C–O Bond Activation: Green One-Pot Synthesis of 2-Amino-3-cyano-4H-pyrans. <i>ChemistryOpen</i> , 2016, 5, 38-42.	0.9	30
75	Advances in Pyranopyrazole Scaffolds™ Syntheses Using Sustainable Catalysts—A Review. <i>Molecules</i> , 2021, 26, 3270.	1.7	30
76	Silver(–)-N-heterocyclic carbene catalyzed multicomponent reactions: a facile synthesis of multisubstituted pyridines. <i>RSC Advances</i> , 2015, 5, 105446-105452.	1.7	29
77	An efficient and green approach for the synthesis of 2,4-dihydropyrano[2,3- <i>c</i>]pyrazole-3-carboxylates using Bi ₂ O ₃ /ZrO ₂ as a reusable catalyst. <i>RSC Advances</i> , 2018, 8, 16336-16343.	1.7	29
78	An eco-friendly approach for synthesis of novel substituted 4H-chromenes in aqueous ethanol under ultra-sonication with 94% atom economy. <i>Journal of Molecular Structure</i> , 2019, 1185, 357-360.	1.8	29
79	Synthesis and antimicrobial activity of novel thienopyrimidine linked rhodanine derivatives. <i>Canadian Journal of Chemistry</i> , 2019, 97, 94-99.	0.6	29
80	Monitoring of water quality in upper Mukuvisi River in Harare, Zimbabwe. <i>Environment International</i> , 1993, 19, 51-61.	4.8	28
81	Novel 2-(1-(substitutedbenzyl)-1H-tetrazol-5-yl)-3-phenylacrylonitrile derivatives: synthesis, in vitro antitumor activity and computational studies. <i>Medicinal Chemistry Research</i> , 2016, 25, 283-291.	1.1	28
82	Green synthesis and characterisation of novel [1,3,4]thiadiazolo/benzo[4,5]thiazolo[3,2- <i>a</i>]pyrimidines <i>via</i> multicomponent reaction using vanadium oxide loaded on fluorapatite as a robust and sustainable catalyst. <i>RSC Advances</i> , 2020, 10, 19803-19810.	1.7	27
83	Elemental bioaccumulation and nutritional value of five species of wild growing mushrooms from South Africa. <i>Food Chemistry</i> , 2020, 319, 126596.	4.2	27
84	Synthesis and Antioxidant Evaluation of a New Class of Thienopyrimidine-rhodanine Hybrids. <i>Letters in Drug Design and Discovery</i> , 2018, 15, 118-126.	0.4	27
85	SYNTHESIS AND ANTIOXIDANT EVALUATION OF NOVEL PHENOTHIAZINE LINKED SUBSTITUTEDBENZYLIDENEAMINO-1,2,4-TRIAZOLE DERIVATIVES. <i>Journal of the Chilean Chemical Society</i> , 2015, 60, 2919-2923.	0.5	26
86	Synthesis and Insecticidal Activity of Tetrazole-Linked Triazole Derivatives. <i>Journal of Heterocyclic Chemistry</i> , 2015, 52, 487-491.	1.4	26
87	Nanostructured Samarium Doped Fluorapatites and Their Catalytic Activity towards Synthesis of 1,2,4-Triazoles. <i>Molecules</i> , 2016, 21, 1281.	1.7	26
88	Transesterification of glycerol with dimethyl carbonate over nanocrystalline ordered mesoporous MgO–ZrO ₂ solid base catalyst. <i>Journal of Porous Materials</i> , 2016, 23, 185-193.	1.3	26
89	A review on synthesis, crystal structure and functionality of naphthalenedicarboxylate ligated metal-organic frameworks. <i>Inorganica Chimica Acta</i> , 2017, 466, 308-323.	1.2	26
90	Design, synthesis, anticancer activity and molecular docking analysis of novel dinitrophenylpyrazole bearing 1,2,3-triazoles. <i>Journal of Molecular Structure</i> , 2021, 1243, 130865.	1.8	26

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91	Fatty acid profile and elemental content of avocado (<i>Persea americana</i> Mill.) oil – effect of extraction methods. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2012, 47, 529-537.	0.7	25
92	Multicomponent synthesis of pyridines via diamine functionalized mesoporous ZrO ₂ domino intramolecular tandem Michael type addition. <i>RSC Advances</i> , 2015, 5, 5627-5632.	1.7	25
93	Sm ₂ O ₃ /Fluoroapatite as a reusable catalyst for the facile, green, one-pot synthesis of triazolidine-3-thione derivatives under aqueous conditions. <i>Journal of Fluorine Chemistry</i> , 2017, 195, 79-84.	0.9	25
94	Stability-indicating HPLC method for simultaneous quantification of 14 impurities in exceldrin tablet formulations and identification of new impurity by LC-MS in accelerated stability studies. <i>Biomedical Chromatography</i> , 2019, 33, e4608.	0.8	25
95	Oxyhalogen-sulfur chemistry: The bromate-(aminoimino)methanesulfinic acid reaction in acidic medium. <i>The Journal of Physical Chemistry</i> , 1994, 98, 545-550.	2.9	24
96	Heavy Metal Uptake by Spinach Leaves Grown on Contaminated Soils with Lead, Mercury, Cadmium, and Nickel. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2004, 39, 473-481.	0.7	24
97	Innovative Efficient Method for the Synthesis of 1,4-Dihydropyridines Using Y ₂ O ₃ Loaded on ZrO ₂ as Catalyst. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 11372-11379.	1.8	24
98	Esterification of levulinic acid with ethanol over bio-glycerol derived carbon-sulfonic-acid. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2017, 120, 69-80.	0.8	24
99	Development and validation of a generic RP-HPLC PDA method for the simultaneous separation and quantification of active ingredients in cold and cough medicines. <i>Biomedical Chromatography</i> , 2019, 33, e4641.	0.8	24
100	Y ₂ O ₃ /HAp, a sustainable catalyst for novel synthesis of furo[3,4-b]chromenes derivatives via green strategy. <i>Inorganic Chemistry Communication</i> , 2020, 114, 107807.	1.8	24
101	Facile One-pot Synthesis of Arylsulfonyl-4H-pyrans Catalyzed by Ru Loaded Fluorapatite. <i>ChemistrySelect</i> , 2020, 5, 1786-1791.	0.7	24
102	Synthesis of Novel Furo[3,4-c]coumarin Derivatives through Multicomponent [4+1] Cycloaddition Reaction Using ZnO/FAP as a Sustainable Catalyst. <i>ChemistrySelect</i> , 2020, 5, 4104-4110.	0.7	24
103	Synthesis and Antioxidant Activity of 1,2,4-Triazole linked Thieno[2,3-d]pyrimidine Derivatives. <i>Letters in Drug Design and Discovery</i> , 2012, 10, 186-193.	0.4	24
104	Photocatalyzed ozonation by Ce doped TiO ₂ catalyst degradation of pesticide Dicamba in water. <i>Journal of Chemical Technology and Biotechnology</i> , 2016, 91, 385-393.	1.6	23
105	Microwave-Assisted Multicomponent Reaction: A Green and Catalyst-Free Method for the Synthesis of Polyfunctionalized 1,4-Dihydropyridines. <i>ChemistrySelect</i> , 2019, 4, 9451-9454.	0.7	23
106	Synthesis and Biological Activity of Ethyl (substituted) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 147 Td (benzylthio) (3-ethoxy) Archiv Der Pharmazie, 2012, 345, 163-168.	2.1	22
107	Ozone-driven photocatalyzed degradation and mineralization of pesticide, Triclopyr by Au/TiO ₂ . <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2015, 50, 571-583.	0.7	22
108	Degradation, mineralization of bromoxynil pesticide by heterogeneous photocatalytic ozonation. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 24, 333-341.	2.9	22

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109	Decorated multi-walled carbon nanotubes with Sm doped fluorapatites: synthesis, characterization and catalytic activity. RSC Advances, 2016, 6, 58226-58235.	1.7	22
110	Reusable Ce(IV) Loaded Alumina Catalyst for Multicomponent Synthesis of Substituted Pyridines in Green Media. Journal of Heterocyclic Chemistry, 2016, 53, 658-664.	1.4	22
111	A critical review of the occurrence of perfluoroalkyl acids in aqueous environments and their removal by adsorption onto carbon nanotubes. Reviews in Environmental Science and Biotechnology, 2018, 17, 603-635.	3.9	22
112	Uncatalyzed and vanadium(V)-catalyzed reaction of methylene blue with potassium bromate in aqueous sulfuric acid. The Journal of Physical Chemistry, 1989, 93, 4751-4756.	2.9	21
113	Solvent-Free Knoevenagel Condensation over Cobalt Hydroxyapatite. Synthetic Communications, 2010, 40, 3710-3715.	1.1	21
114	Cu doped amine functionalized graphene oxide and its scope as catalyst for selective oxidation. Catalysis Communications, 2017, 100, 183-186.	1.6	21
115	A Review of Recent Advances in the Green Synthesis of Azole- and Pyran-based Fused Heterocycles Using MCRs and Sustainable Catalysts. Current Organic Chemistry, 2021, 25, 4-39.	0.9	21
116	Synthesis and Anti-Inflammatory Activity of Fused 1,2,4-triazolo-[3,4-b] [1,3,4]thiadiazole Derivatives of Phenothiazine. Letters in Drug Design and Discovery, 2013, 10, 977-983.	0.4	21
117	Spectrophotometric determination of peroxydisulphate with o-dianisidine by flow injection. Canadian Journal of Chemistry, 1990, 68, 1750-1756.	0.6	20
118	Synthesis of novel pyrazole-based triazolidinone derivatives by using ZnO/ZrO ₂ as a reusable catalyst under green conditions. Applied Organometallic Chemistry, 2019, 33, e4722.	1.7	20
119	One-pot green synthesis of novel 5,10-dihydro-1H-pyrazolo[1,2-b]phthalazine derivatives with eco-friendly biodegradable eggshell powder as efficacious catalyst. Research on Chemical Intermediates, 2020, 46, 3067-3083.	1.3	20
120	A Facile and Catalyst-Free Microwave-Promoted Multicomponent Reaction for the Synthesis of Functionalised 1,4-Dihydropyridines With Superb Selectivity and Yields. Frontiers in Chemistry, 2021, 9, 638832.	1.8	20
121	A kinetic study of the oxidation of indigo carmine with acidic bromate. Journal of the Chemical Society Perkin Transactions II, 1988, , 1111.	0.9	19
122	Studies on arsenic rich mine dumps. II. The heavy element uptake by vegetation. Journal of Environmental Science and Health Part A: Environmental Science and Engineering, 1997, 32, 455-464.	0.1	19
123	Kinetics of Reduction of Toluidine Blue with Sulfite—Kinetic Salt Effect in Elucidation of Mechanism. Journal of Chemical Education, 2000, 77, 506.	1.1	19
124	Selective Oxidation of n-Pentane Over V ₂ O ₅ Supported on Hydroxyapatite. Catalysis Letters, 2008, 126, 200-206.	1.4	19
125	Kinetics of inactivation of <i>Pseudomonas aeruginosa</i> in aqueous solutions by ozone aeration. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2009, 44, 929-935.	0.9	19
126	Mg(IV)/CO ₃ hydrotalcite: an efficient and reusable catalyst for one-pot synthesis of multisubstituted pyridines. Research on Chemical Intermediates, 2015, 41, 8269-8278.	1.3	19

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127	Multicomponent one-pot synthesis of highly-functionalized pyrrole-3-carbonitriles in aqueous medium and their computational study. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 1800-1806.	1.5	19
128	RuO ₂ /ZrO ₂ as an efficient reusable catalyst for the facile, green, one-pot synthesis of novel functionalized halopyridine derivatives. <i>Catalysis Communications</i> , 2017, 100, 24-28.	1.6	19
129	Ag ₂ O on ZrO ₂ as a Recyclable Catalyst for Multicomponent Synthesis of Indenopyrimidine Derivatives. <i>Molecules</i> , 2018, 23, 1648.	1.7	19
130	Four-Component Fusion Protocol with NiO/ZrO ₂ as a Robust Recyclable Catalyst for Novel 1,4-Dihydropyridines. <i>ACS Omega</i> , 2019, 4, 21187-21196.	1.6	19
131	Bi ₂ O ₃ /FAp, a sustainable catalyst for synthesis of dihydro-1,2,4-triazolo[1,5-a]pyrimidine derivatives through green strategy. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5590.	1.7	19
132	Efficient synthesis of novel functionalized dihydro-pyrazolo[3,4-d]pyridines via the three-component reaction using MgO/HAp as a sustainable catalyst. <i>Inorganic Chemistry Communication</i> , 2021, 123, 108321.	1.8	19
133	A Review on Metal-Organic Frameworks as Congenial Heterogeneous Catalysts for Potential Organic Transformations. <i>Frontiers in Chemistry</i> , 2021, 9, 747615.	1.8	19
134	Chlorine Dioxide-Facilitated Oxidation of the Azo Dye Amaranth. <i>Journal of Physical Chemistry A</i> , 2011, 115, 11682-11688.	1.1	18
135	Kinetics and Mechanism of the Oxidation of Amaranth with Hypochlorite. <i>Journal of Physical Chemistry A</i> , 2011, 115, 7948-7954.	1.1	18
136	EFFICIENT ONE-POT SYNTHESIS OF BENZOXAZOLE DERIVATIVES CATALYZED BY NICKEL SUPPORTED SILICA. <i>Journal of the Chilean Chemical Society</i> , 2012, 57, 1099-1100.	0.5	18
137	Chlorine Dioxide for Bleaching, Industrial Applications and Water Treatment. <i>Indian Chemical Engineer</i> , 2014, 56, 123-136.	0.9	18
138	An Efficient, Multicomponent, One-pot Synthesis of Tetra Substituted Pyrans in Water. <i>Journal of Heterocyclic Chemistry</i> , 2015, 52, 1226-1229.	1.4	18
139	CeO ₂ /ZrO ₂ as green catalyst for one-pot synthesis of new pyrano[2,3-c]-pyrazoles. <i>Research on Chemical Intermediates</i> , 2017, 43, 4313-4325.	1.3	18
140	CuO/Graphene Oxide Nanocomposite as Highly Active and Durable Catalyst for Selective Oxidation of Cyclohexane. <i>ChemistrySelect</i> , 2017, 2, 2277-2281.	0.7	18
141	A facile and one-pot synthesis of new tetrahydrobenzo[b]pyrans in water under microwave irradiation. <i>BMC Chemistry</i> , 2019, 13, 132.	1.6	18
142	Synthesis and anticancer activity of novel pyrazolo[4,3-b]pyrano[2,3-d] pyrimidin-5(2H)-one derivatives. <i>Chemical Data Collections</i> , 2020, 28, 100471.	1.1	18
143	The effect of synthesis method on the structure, and magnetic and photocatalytic properties of hematite (±Fe ₂ O ₃) nanoparticles - research article. <i>South African Journal of Chemistry</i> , 2018, 71, 68-78.	0.3	18
144	Design, synthesis, docking study and biological evaluation of novel thieno[2,3-d]-pyrimidine tethered 1,2,3-triazole scaffolds. <i>Journal of Molecular Structure</i> , 2022, 1250, 131713.	1.8	18

#	ARTICLE	IF	CITATIONS
145	The pioneering role of metal-organic framework-5 in ever-growing contemporary applications – a review. <i>RSC Advances</i> , 2022, 12, 14282-14298.	1.7	18
146	Chemical composition of edible Macadamia nuts (<i>Macadamia integrifolia</i>) and impact of soil quality. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2007, 42, 2097-2104.	0.9	17
147	Elemental uptake by edible herbs and lettuce (<i>Lactuca sativa</i>). <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2007, 42, 423-428.	0.7	17
148	Elemental composition and nutritional value of the edible fruits of <i>Harpephyllum caffrum</i> and impact of soil quality on their chemical characteristics. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2013, 48, 539-547.	0.7	17
149	Covalent Modification of Organo-Functionalized Graphene Oxide and its Scope as Catalyst for One-Pot Pyrazolo-Pyranopyrimidine Derivatives. <i>ChemistryOpen</i> , 2015, 4, 703-707.	0.9	17
150	The distribution of macronutrients, anti-nutrients and essential elements in nettles, <i>Laportea peduncularis</i> (River nettle) and <i>Urtica dioica</i> (Stinging nettle). <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2016, 51, 160-169.	0.7	17
151	Heavy metal distribution in <i>Laportea peduncularis</i> and growth soil from the eastern parts of KwaZulu-Natal, South Africa. <i>Environmental Monitoring and Assessment</i> , 2016, 188, 76.	1.3	17
152	Microwave-irradiated one-pot synthesis of quinoline derivatives catalyzed by triethylamine. <i>Research on Chemical Intermediates</i> , 2017, 43, 6233-6243.	1.3	17
153	Simultaneous removal of 2,4,6-tribromophenol from water and bromate ion minimization by ozonation. <i>Journal of Hazardous Materials</i> , 2018, 357, 415-423.	6.5	17
154	Citric Acid/MCM-48 Catalyzed Multicomponent Reaction: An Efficient Method for the Novel Synthesis of Quinoline Derivatives. <i>ChemistrySelect</i> , 2019, 4, 7003-7009.	0.7	17
155	Our Contributions in Synthesis of Diverse Heterocyclic Scaffolds by Using Mixed Oxides as Heterogeneous Catalysts. <i>Chemical Record</i> , 2019, 19, 1793-1812.	2.9	17
156	V-CaHAp as a recyclable catalyst for the green multicomponent synthesis of benzochromenes. <i>Arabian Journal of Chemistry</i> , 2019, 12, 3814-3824.	2.3	17
157	New Class of Pyrimidinesulfamoyl Containing Pyrazole and Pyrrole Derivatives and Their Antioxidant Activity. <i>Letters in Organic Chemistry</i> , 2013, 10, 374-379.	0.2	17
158	Ru-Hydroxyapatite: An Efficient and Reusable Catalyst for the Multicomponent Synthesis of Pyranopyrazoles under Facile Green Conditions. <i>Current Organic Synthesis</i> , 2016, 13, 893-900.	0.7	17
159	Ultrasound-assisted multicomponent synthesis of heterocycles in water – A review. <i>Arabian Journal of Chemistry</i> , 2022, 15, 103544.	2.3	17
160	Oxyhalogen-Sulfur Chemistry: Bromate Oxidation of 1-Methyl-2-thiourea in Acidic Medium. <i>The Journal of Physical Chemistry</i> , 1996, 100, 13521-13530.	2.9	16
161	Seaweeds Along KwaZulu-Natal Coast of South Africa: Elemental Uptake by Edible Seaweed <i>Caulerpa racemosa</i> (Sea grapes) and the Arsenic Speciation. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2006, 41, 1217-1233.	0.9	16
162	Kinetics of ozone-initiated oxidation of textile dye, Amaranth in aqueous systems. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2011, 46, 887-897.	0.9	16

#	ARTICLE	IF	CITATIONS
163	Simple and Efficient System for the α -Bromination of a β -Ketoester by Using N-Bromosuccinimide in the Presence of Silica-Supported NaHCO_3 as the Heterogeneous Catalyst: An Environmentally Benevolent Approach. <i>Synthetic Communications</i> , 2012, 42, 1091-1100.	1.1	16
164	A viable and efficacious catalyst, CeO_2/HAp , for green synthesis of novel pyrido[2,3-d]pyrimidine derivatives. <i>Research on Chemical Intermediates</i> , 2018, 44, 1397-1409.	1.3	16
165	A green, efficient and recoverable $\text{CeO}_2/\text{MWCNT}$ nanocomposite catalyzed click synthesis of pyridine- β -carboxamides. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5796.	1.7	16
166	Catalyst-free synthesis of novel isopropyl 2-amino-7,7-dimethyl-4-(aryl)-5-oxo-5,6,7,8-tetrahydro-4H-chromene-3-carboxylate derivatives in aqueous ethanol under ultrasound irradiation. <i>Chemical Data Collections</i> , 2020, 26, 100365.	1.1	16
167	New Class of Triazole Derivatives and Their Antimicrobial Activity. <i>Letters in Drug Design and Discovery</i> , 2012, 9, 687-693.	0.4	16
168	Effluent treatment using electrochemically bleached seawater?oxidative degradation of pollutants. <i>Talanta</i> , 2004, 64, 18-22.	2.9	15
169	Seaweeds along KwaZulu-Natal Coast of South Africa: Elemental Uptake by <i>Ulva lactuca</i> (Sea) Tj ETQq1 1 0.784314 rgBT /Overlock Environmental Engineering, 2006, 41, 1249-1259.	0.9	15
170	Rapid and selective reduction of aldehydes, ketones, phenol, and alkenes with Ni-boride-silica catalysts system at low temperature. <i>Journal of Molecular Catalysis A</i> , 2009, 299, 98-101.	4.8	15
171	Scope of Metal Loaded Microporous ZSM-5 Zeolites in the α -Cetazone-Process of <i>n</i> -Hexadecane at Moderate Conditions. <i>Industrial & Engineering Chemistry Research</i> , 2009, 48, 9097-9105.	1.8	15
172	Facile one-pot green synthesis of tetrahydrobiphenylene-1,3-dicarbonitriles in aqueous media under ultrasound irradiation. <i>Research on Chemical Intermediates</i> , 2016, 42, 8097-8108.	1.3	15
173	Decarbonylation of Salicylaldehyde Activated by <i>p</i> -Cymene Ruthenium(II) Dimer: Implication for Catalytic Alkyne Hydrothiolation. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 4635-4642.	1.2	15
174	Ni nanoparticle supported reduced graphene oxide as a highly active and durable heterogeneous material for coupling reactions. <i>Nanoscale Advances</i> , 2019, 1, 1527-1530.	2.2	15
175	New Pyrano[2,3-d:6,5-d']dipyrimidine Derivatives-Synthesis, in vitro Cytotoxicity and Computational Studies. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2016, 16, 1031-1037.	0.9	15
176	Removal of Cd^{2+} and Hg^{2+} from aqueous solutions by adsorption onto nitrogen-functionalized carbon nanotubes. , 0, 108, 253-267.		15
177	Oxyhalogen-Sulfur Chemistry: Oxidation of Hydroxymethanesulfonic Acid by Bromate in an Acidic Medium. <i>The Journal of Physical Chemistry</i> , 1995, 99, 10231-10236.	2.9	14
178	Macro, minor and toxic elemental uptake and distribution in <i>Hypoxis hemerocallidea</i> , α -the African Potato- an edible medicinal plant. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2008, 43, 271-280.	0.7	14
179	Synthesis and antimicrobial activity of new 1,3,4-thiadiazoles containing oxadiazole, thiadiazole and triazole nuclei. <i>Pharmaceutical Chemistry Journal</i> , 2013, 46, 661-666.	0.3	14
180	Elemental uptake and distribution of nutrients in avocado mesocarp and the impact of soil quality. <i>Environmental Monitoring and Assessment</i> , 2014, 186, 4519-4529.	1.3	14

#	ARTICLE	IF	CITATIONS
181	A Multicomponent, Catalyst-free, One-pot Synthesis of Functionalized 1,4-Dihydroquinolines and Their Antimicrobial Studies. <i>Journal of Heterocyclic Chemistry</i> , 2015, 52, 1302-1307.	1.4	14
182	Impact of spiked concentrations of Cd, Pb, As and Zn in growth medium on elemental uptake of <i>Nasturtium officinale</i> (Watercress). <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2016, 51, 1-7.	0.7	14
183	Ozone initiated inactivation of <i>Escherichia coli</i> and <i>Staphylococcus aureus</i> in water: Influence of selected organic solvents prevalent in wastewaters. <i>Chemosphere</i> , 2018, 206, 43-50.	4.2	14
184	Efficient synthesis of novel pyrazole-linked 1,2,4-triazolidine-3-thiones using bismuth on zirconium oxide as a recyclable catalyst in aqueous medium. <i>Molecular Diversity</i> , 2020, 24, 345-354.	2.1	14
185	A green, efficient protocol for the catalyst-free synthesis of tetrahydro-1H-pyrazolo-[3,4-b]-quinolin-5(4H)-ones supported by ultrasonic irradiation. <i>Chemical Data Collections</i> , 2020, 30, 100566.	1.1	14
186	Four-component rapid protocol with nickel oxide loaded on fluorapatite as a sustainable catalyst for the synthesis of novel imidazole analogs. <i>Inorganic Chemistry Communication</i> , 2020, 116, 107935.	1.8	14
187	Swift and Green Protocol for One-pot Synthesis of Pyrano[2,3-c]pyrazole-3-carboxylates With RuCaHAp as Catalyst. <i>Current Organic Chemistry</i> , 2016, 20, 2125-2133.	0.9	14
188	A kinetic study of the reduction of toluidine blue with thiourea in acidic solution. <i>International Journal of Chemical Kinetics</i> , 1992, 24, 999-1007.	1.0	13
189	Reduction of toluidine blue by stannous ion at low pH: Kinetics and simulations. <i>International Journal of Chemical Kinetics</i> , 1993, 25, 745-753.	1.0	13
190	Study on the kinetics of the reaction of thymol blue with acidic bromate catalysed by Ru(III) or V(V). <i>Fresenius' Journal of Analytical Chemistry</i> , 1994, 349, 829-830.	1.5	13
191	Selective oxidation of p-nitrobenzyl alcohol to p-nitrobenzaldehyde with 10% Ni silica with 30% H ₂ O ₂ in acetonitrile solvent. <i>Catalysis Communications</i> , 2008, 9, 2417-2421.	1.6	13
192	Synthesis and anti-cancer evaluation of steroidal diglycoside-pyrazoline hybrids. <i>RSC Advances</i> , 2014, 4, 40305-40311.	1.7	13
193	Mild and Efficient Synthesis of Polyfunctionalized 4H-Pyran-3-carboxamide Derivatives. <i>Organic Preparations and Procedures International</i> , 2014, 46, 261-266.	0.6	13
194	Synthesis and characterization of novel bifunctional mesoporous silica catalyst and its scope for one-pot deacetalization-knoevenagel reaction. <i>Journal of Porous Materials</i> , 2015, 22, 353-360.	1.3	13
195	Synthesis, antimicrobial activity and molecular docking studies of pyrano[2,3-d]pyrimidine formimidate derivatives. <i>Research on Chemical Intermediates</i> , 2016, 42, 3763-3774.	1.3	13
196	One-pot regioselective synthesis of substituted pyrazoles and isoxazoles in PEG-400/water medium by Cu-free nano-Pd catalyzed sequential acyl Sonogashira coupling-intramolecular cyclization. <i>Catalysis Science and Technology</i> , 2019, 9, 6471-6481.	2.1	13
197	Green synthesis and characterization of novel 1,2,4,5-tetrasubstituted imidazole derivatives with eco-friendly red brick clay as efficacious catalyst. <i>Molecular Diversity</i> , 2020, 24, 889-901.	2.1	13
198	Polyethylene glycol (PEG-400) Mediated One-pot Green Synthesis of 4,7-Dihydro-2H-pyrazolo[3,4-b]pyridines Under Catalyst-free Conditions. <i>ChemistrySelect</i> , 2020, 5, 12407-12410.	0.7	13

#	ARTICLE	IF	CITATIONS
199	Kinetics and mechanism of indigo carmine-acidic iodate reaction. An indicator reaction for catalytic determination of Ru(III) ion. <i>International Journal of Chemical Kinetics</i> , 1989, 21, 519-533.	1.0	12
200	Elemental Uptake by Seaweed, <i>Plocamium corallorhiza</i> Along the KwaZulu-Natal Coast of Indian Ocean, South Africa. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2006, 41, 1037-1048.	0.7	12
201	Ozone Initiated Oxidation of Hexadecane with Metal Loaded γ -Al ₂ O ₃ Catalysts. <i>Catalysis Letters</i> , 2008, 124, 118-126.	1.4	12
202	Impact of soil quality on elemental uptake by, and distribution in, <i>Colocasia esculenta</i> (Amadumbe), an edible root. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2011, 46, 247-256.	0.7	12
203	Solvent-free Knoevenagel condensation over iridium and platinum hydroxyapatites. <i>Kinetics and Catalysis</i> , 2011, 52, 536-539.	0.3	12
204	Oxyhalogenated Sulfur Chemistry: Kinetics and Mechanism of Oxidation of Chemoprotectant, Sodium 2-Mercaptoethanesulfonate, MESNA, by Acidic Bromate and Aqueous Bromine. <i>Journal of Physical Chemistry A</i> , 2014, 118, 2196-2208.	1.1	12
205	Novel carbapenem chalcone derivatives: synthesis, cytotoxicity and molecular docking studies. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 4344-4350.	1.5	12
206	Elemental composition of <i>Cyrtanthus obliquus</i> and <i>Lippia javanica</i> used in South African herbal tonic, <i>Imbiza</i> . <i>Arabian Journal of Chemistry</i> , 2018, 11, 128-136.	2.3	12
207	Elemental distribution including toxic elements in edible and inedible wild growing mushrooms from South Africa. <i>Environmental Science and Pollution Research</i> , 2019, 26, 7913-7925.	2.7	12
208	Synergistic Catalysis of Ag(I) and Organo-N-heterocyclic Carbenes: One-Pot Synthesis of New Anticancer Spirooxindole-1,4-dihydropyridines. <i>ChemistrySelect</i> , 2019, 4, 2562-2567.	0.7	12
209	Antiulcerogenic effects of <i>Celosia trigyna</i> plant extracts on ethanol-induced gastric ulcer in adult Wistar rats. <i>Journal of Traditional and Complementary Medicine</i> , 2020, 10, 586-593.	1.5	12
210	Ultrasound-assisted synthesis and antibacterial activity of novel 1,3,4-thiadiazole-1H-pyrazol-4-yl-thiazolidin-4-one derivatives. <i>Monatshefte für Chemie</i> , 2020, 151, 981-990.	0.9	12
211	Facile, efficient, catalyst-free, ultrasound-assisted one-pot green synthesis of triazole derivatives. <i>Journal of the Iranian Chemical Society</i> , 2020, 17, 1539-1544.	1.2	12
212	Ultrasound-mediated catalyst-free protocol for the synthesis of bis-3-methyl-1-phenyl-1H-pyrazol-5-ols in aqueous ethanol. <i>Chemical Data Collections</i> , 2020, 28, 100467.	1.1	12
213	Synthesis and Biological Evaluation of Novel Isopropyl 2-thiazolopyrimidine-6-carboxylate Derivatives. <i>Journal of the Korean Chemical Society</i> , 2012, 56, 68-73.	0.2	12
214	A kinetic approach for the mechanism of malachite green-peroxydisulphate reaction in aqueous solution. <i>International Journal of Chemical Kinetics</i> , 1992, 24, 41-49.	1.0	11
215	Studies on the molybdenum catalysed reaction between toluidine blue and stannous chloride. <i>Fresenius' Journal of Analytical Chemistry</i> , 1993, 345, 673-678.	1.5	11
216	Oxidation of n-hexadecane with uranyl loaded/anchored microporous zeolites and ozone. <i>Catalysis Communications</i> , 2008, 9, 1902-1912.	1.6	11

#	ARTICLE	IF	CITATIONS
217	Structure and antioxidant activity of phenolic compounds isolated from the edible fruits and stem bark of <i>Harpephyllum caffrum</i> . <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2014, 49, 938-944.	0.7	11
218	A 3D supramolecular assembly of Co(II) MOF constructed with 2,5-pyridinedicarboxylate strut and its catalytic activity towards synthesis of tetrahydrobiphenylene-1,3-dicarbonitriles. <i>Inorganica Chimica Acta</i> , 2018, 482, 830-837.	1.2	11
219	Catalytic activity of supra molecular self-assembled Nickel (II) coordination complex in synthesis of indeno-pyrimidine derivatives. <i>Polyhedron</i> , 2019, 158, 464-470.	1.0	11
220	A green, facile and recyclable Mn ₃ O ₄ /MWCNT nano-catalyst for the synthesis of quinolines via one-pot multicomponent reactions. <i>Sustainable Chemistry and Pharmacy</i> , 2020, 16, 100265.	1.6	11
221	Facile one-pot green synthesis of 2-amino-4-hydroxy-benzochromenes in aqueous ethanol under ultrasound irradiation. <i>Synthetic Communications</i> , 2020, 50, 1960-1971.	1.1	11
222	An ecofriendly and reusable catalyst RuO ₂ /MWCNT in the green synthesis of sulfonyl-quinolines. <i>Chemical Engineering Research and Design</i> , 2022, 159, 911-917.	2.7	11
223	Recent Progresses in the Multicomponent Synthesis of Dihydropyridines by Applying Sustainable Catalysts Under Green Conditions. <i>Frontiers in Chemistry</i> , 2021, 9, 800236.	1.8	11
224	Kinetic-potentiometric determination of vanadium(V) and iron(II). <i>Analytical Chemistry</i> , 1983, 55, 2253-2255.	3.2	10
225	Acridine orange-bromate reaction. A kinetic method for the analysis of V(V). <i>Fresenius' Journal of Analytical Chemistry</i> , 1991, 340, 173-174.	1.5	10
226	Chemical composition of rainwater and air quality in Zimbabwe, Africa. <i>Science of the Total Environment</i> , 1994, 144, 261-271.	3.9	10
227	Kinetics and mechanism of the reaction between Thymol Blue and bromate in acidic medium. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1995, 91, 1635.	1.7	10
228	Surface ozone concentrations in Eastern Highlands of Zimbabwe. <i>Atmospheric Environment</i> , 2001, 35, 4341-4346.	1.9	10
229	Elemental Distribution in Seaweed, <i>Gelidium abbotiorum</i> Along the KwaZulu-Natal Coastline, South Africa. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2006, 41, 1639-1653.	0.9	10
230	Titrimetric and photometric methods for determination of hypochlorite in commercial bleaches. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2010, 45, 917-922.	0.9	10
231	An organo-NHC catalyzed domino addition approach for the selective synthesis of 5-butylnylisoxazoles and subsequent Sonogashira coupling. <i>RSC Advances</i> , 2015, 5, 76582-76587.	1.7	10
232	Cesium salts of manganese based lacunary phosphotungstate supported mesoporous silica: An efficient catalyst for solvent free oxidation reaction. <i>Catalysis Communications</i> , 2015, 59, 73-77.	1.6	10
233	Cesium loaded on silica as an efficient and recyclable catalyst for the novel synthesis of selenophenes. <i>Arabian Journal of Chemistry</i> , 2016, 9, 891-897.	2.3	10
234	Synthesis, Biological Activity of Pyrimidine Linked with Morpholinophenyl Derivatives. <i>Journal of Heterocyclic Chemistry</i> , 2016, 53, 1852-1858.	1.4	10

#	ARTICLE	IF	CITATIONS
235	Synthesis and effect of annealing temperature on the structural, magnetic and photocatalytic properties of (La _{0.5} Bi _{0.2} Ba _{0.2} Mn _{0.1})FeO ₃ . <i>Materials Chemistry and Physics</i> , 2016, 178, 196-203.	2.0	10
236	Tri-amine functionalized graphene oxide for co-operative catalyst in the Henry reaction. <i>Research on Chemical Intermediates</i> , 2018, 44, 2157-2167.	1.3	10
237	Chemical and elemental analysis of the edible fruit of five <i>Carpobrotus</i> species from South Africa: assessment of nutritional value and potential metal toxicity. <i>International Journal of Environmental Health Research</i> , 2020, 30, 357-371.	1.3	10
238	A study on the catalytic behaviour of Cd(II) and Sm(III) coordination complexes towards the four-component synthesis of quinoline-3-carboxylates. <i>Inorganic Chemistry Communication</i> , 2020, 119, 108084.	1.8	10
239	Green catalyst-free one-pot synthesis of novel tetrahydropyridine-3-carboxamides by microwave-assisted approach. <i>Journal of Chemical Sciences</i> , 2020, 132, 1.	0.7	10
240	A facile and environmental-friendly protocol for the synthesis of methyleneisoxazole-5(4H)-ones catalyzed by CeO ₂ /TiO ₂ under ultrasonic irradiation. <i>Inorganic Chemistry Communication</i> , 2022, 143, 109741.	1.8	10
241	Kinetics and mechanism of the oxidation of aliphatic diamines by peroxydisulphate. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1983, , 849.	0.9	9
242	Kinetic study of hydroxylamine-bromate ion reaction in acid sulfate solution? a competitive consecutive reaction. <i>International Journal of Chemical Kinetics</i> , 1984, 16, 1287-1299.	1.0	9
243	Studies on toluidine blue reaction with sulfite in aqueous solution and role of Cu(II) as promoter. <i>International Journal of Chemical Kinetics</i> , 1999, 31, 539-549.	1.0	9
244	Impact of soil quality on elemental uptake by <i>Zingiber officinale</i> (ginger rhizome). <i>International Journal of Environmental Analytical Chemistry</i> , 2009, 89, 367-382.	1.8	9
245	Elemental distribution and uptake by watercress (<i>Nasturtium aquaticum</i>) as a function of water quality. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2015, 50, 439-447.	0.7	9
246	Chemical composition of selected seaweeds from the Indian Ocean, KwaZulu-Natal coast, South Africa. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2016, 51, 525-533.	0.7	9
247	Heterogeneous Catalyzed Ozonation using Cu-Ni-Co Oxides for Degradation of Dichlorophenol. <i>Ozone: Science and Engineering</i> , 2016, 38, 14-24.	1.4	9
248	Nutritional evaluation, bioaccumulation and toxicological assessment of heavy metals in edible fruits of <i>Ficus surForssk</i> (Moraceae). <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2017, 52, 84-91.	0.7	9
249	Synthesis of lanthanide-doped TiO ₂ nanoparticles and their photocatalytic activity under visible light. <i>Canadian Journal of Chemistry</i> , 2019, 97, 672-681.	0.6	9
250	Pd nanoparticle supported reduced graphene oxide and its excellent catalytic activity for the Ullmann C-C coupling reaction in a green solvent. <i>RSC Advances</i> , 2019, 9, 13332-13335.	1.7	9
251	Microwave-Assisted One-Step Four-Component Reaction for Synthesis of 1,4-Dihydropyridines Catalyzed by Triethylamine. <i>ChemistrySelect</i> , 2019, 4, 12503-12506.	0.7	9
252	Flux regulation in glycogen-induced oscillatory glycolysis in cell-free extracts of <i>Saccharomyces carlsbergensis</i> . <i>BioSystems</i> , 1982, 15, 49-58.	0.9	8

#	ARTICLE	IF	CITATIONS
253	The oxidation of 3,3'-dimethoxy benzidine with potassium bromate in acidic solutions. <i>International Journal of Chemical Kinetics</i> , 1991, 23, 113-125.	1.0	8
254	Studies on the O ₃ -initiated disinfection from Gram-positive bacteria <i>Bacillus subtilis</i> in aquatic systems. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2010, 45, 224-232.	0.9	8
255	Soil Nutrient Content on Elemental Uptake and Distribution in Sweet Potatoes. <i>International Journal of Vegetable Science</i> , 2012, 18, 245-259.	0.6	8
256	Elemental composition and nutritional value of the edible fruits of coastal red-milkwood (<i>Mimusops</i>) and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2017, 52, 435-445.	0.7	8
257	Elemental analysis and nutritional value of edible <i>Trifolium</i> (clover) species. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2018, 53, 487-492.	0.7	8
258	Advances in Treatment of Brominated Hydrocarbons by Heterogeneous Catalytic Ozonation and Bromate Minimization. <i>Molecules</i> , 2019, 24, 3450.	1.7	8
259	Toxic metals (As and Pb) in <i>Sargassum elegans</i> (Suhr (1840) and its bioactive compounds. <i>International Journal of Environmental Health Research</i> , 2019, 29, 266-275.	1.3	8
260	Gadolinium oxide loaded zirconia and multi-component synthesis of novel dihydro-pyrazolo[3,4-d]pyridines under green conditions. <i>Sustainable Chemistry and Pharmacy</i> , 2020, 18, 100316.	1.6	8
261	A rapid, sustainable and environmental friendly protocol for the catalyst-free synthesis of 2-methyl-5-oxo-hexahydroquinoline-3-carboxylate via ultrasonic irradiation. <i>Chemical Data Collections</i> , 2020, 28, 100432.	1.1	8
262	An Efficient and Sustainable Protocol for the Synthesis of Poly-Functionalized-Pyran Derivatives under Ultrasound Irradiation. <i>Polycyclic Aromatic Compounds</i> , 2022, 42, 505-516.	1.4	8
263	Sustainable CeO ₂ /ZrO ₂ Mixed Oxide Catalyst For the Green Synthesis of Highly Functionalized 1,4-Dihydropyridine-2,3-dicarboxylate Derivatives. <i>Current Organic Synthesis</i> , 2018, 15, 396-403.	0.7	8
264	Catalytic determination of silver by means of the 1,2-diaminoethane-peroxodisulphate reaction. <i>Analytica Chimica Acta</i> , 1982, 144, 245-247.	2.6	7
265	A kinetic study of the oxidation of 2,4-dinitrophenylhydrazine with acidic bromate. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1987, , 1539.	0.9	7
266	Studies on the levels of sulphur dioxide, nitrogen dioxide, ammonia, and hydrogen chloride in ambient air of Harare, Zimbabwe. <i>Environment International</i> , 1991, 17, 461-467.	4.8	7
267	Kinetics and mechanism of reaction of toluidine blue with acidic bromate. <i>International Journal of Chemical Kinetics</i> , 1998, 30, 111-120.	1.0	7
268	A Photometric Method for Ozone Determination Using Alizarin Violet. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2004, 39, 2485-2492.	0.9	7
269	Elemental Distribution in Selected <i>Agaricus</i> and <i>Rhizina</i> Mushrooms in South Africa. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2006, 41, 507-514.	0.9	7
270	Effect of Coal Mine Soil Contamination on the Elemental Uptake and Distribution in Two Edible <i>Amaranthus</i> Species, <i>A. dubius</i> and <i>A. hybridus</i> . <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2006, 41, 747-764.	0.7	7

#	ARTICLE	IF	CITATIONS
271	Kinetics and mechanism of the oxidation of Coomassie Brilliant Blue-R dye by hypochlorite and role of acid therein. South African Journal of Chemistry, 2015, 68, .	0.3	7
272	Synthesis of New 1, 10â€¢Phenanthroline Analogs as Potent Antimicrobial Agents Using Montmorillonite Kâ€¢10 as Catalyst. Journal of Heterocyclic Chemistry, 2015, 52, 397-402.	1.4	7
273	Debromination of 2,4,6-Tribromophenol and bromate ion minimization in Water by catalytic ozonation. Journal of Water Process Engineering, 2019, 31, 100893.	2.6	7
274	Ozone facilitated degradation of caffeine using Ce-TiO ₂ catalyst. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2019, 54, 138-146.	0.7	7
275	Studies on arsenic rich mine dumps: III. Effect on the river water. Journal of Environmental Science and Health Part A: Environmental Science and Engineering, 1996, 31, 2547-2555.	0.1	6
276	Chemistry of a non-linear reaction between Aniline Blue and acidic bromate. Physical Chemistry Chemical Physics, 1999, 1, 821-826.	1.3	6
277	Photolysis of Hexafluoro-2-butyne/Ozone Mixtures in Cryogenic Matrices. Journal of the American Chemical Society, 2000, 122, 9078-9088.	6.6	6
278	A user-friendly programme â€¢simkineâ€¢™ for simulation of kinetics involving complex reaction mechanisms. Computational Biology and Chemistry, 2003, 27, 147-152.	1.1	6
279	Impact of Coal Mine Dump Contaminated Soils on Elemental Uptake by Spinacia Oleracea (Spinach). Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2006, 41, 297-307.	0.7	6
280	Efficient synthetic route for thio-triazole derivatives catalyzed by iron doped fluorapatite. Research on Chemical Intermediates, 2017, 43, 1793-1811.	1.3	6
281	Cytotoxic activity of the bioactive principles from <i>Ficus burtt-davyi</i> . Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2018, 53, 261-275.	0.7	6
282	Facile redbrick clay as splendid catalyst for selective dehydration of alcohols. Research on Chemical Intermediates, 2018, 44, 7619-7639.	1.3	6
283	Non-catalytic and catalytic ozonation of simple halohydrins in water. Journal of Environmental Chemical Engineering, 2019, 7, 102783.	3.3	6
284	A study on assessment of vulnerability of seawater intrusion to groundwater in coastal areas of Visakhapatnam, India. Environment, Development and Sustainability, 2021, 23, 5937-5955.	2.7	6
285	Treatment of pharmaceutical wastewater by heterogeneous Fenton process: an innovative approach. Nanotechnology for Environmental Engineering, 2020, 5, 1.	2.0	6
286	Lemon Juice Mediated Synthesis of 3-Substituted Quinazolin-4(3H)-Ones and their Pharmacological Evaluation. Anti-Cancer Agents in Medicinal Chemistry, 2020, 19, 2001-2009.	0.9	6
287	CHEMICAL CONSTITUENTS AND IN VITRO ANTIOXIDANT ACTIVITY OF CRUDE EXTRACTS AND COMPOUNDS FROM LEAVES AND STEM BARK OF FICUS BURTT-DAVYI. Acta Poloniae Pharmaceutica, 2016, 73, 1593-1600.	0.3	6
288	Uncatalyzed and ruthenium(III)-catalyzed reaction of acidic chlorite with methylene violet. International Journal of Chemical Kinetics, 2003, 35, 294-303.	1.0	5

#	ARTICLE	IF	CITATIONS
289	Synthesis and biological evaluation of 4 th -benzoxazolepodophyllotoxin hybrids as DNA topoisomerase-II targeting anticancer agents. RSC Advances, 2015, 5, 97314-97319.	1.7	5
290	Efficient Synthesis, Characterization, In Vitro Antibacterial and Antifungal Activity Study and Computational Tool for Prediction of Molecular Properties of Some Novel Schiff's Base via Betti's Protocol and Azetidinones. Journal of Heterocyclic Chemistry, 2016, 53, 824-831.	1.4	5
291	Photocatalyzed ozonation: effective degradation and mineralization of pesticide, chlorothalonil. Desalination and Water Treatment, 2016, 57, 14506-14517.	1.0	5
292	A study on behavioral influence of glutamic acid and histidine on morphology and fluorescence activity of cadmium-doped fluorapatite. Journal of Alloys and Compounds, 2017, 690, 817-824.	2.8	5
293	Elemental composition and nutritional value of the edible fruits of Transvaal red milkwood (<i>Mimusops zeyheri</i>) and impact of soil quality. Environmental Monitoring and Assessment, 2019, 191, 135.	1.3	5
294	Nutritional value, antioxidant and antidiabetic properties of nettles (<i>Laportea alata</i> and <i>Obetia</i>) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	1.6	5
295	Elemental Distribution and Health Risk Assessment of the Edible Fruits of Two Ficus Species, <i>Ficus sycamorus</i> L. and <i>Ficus burttt-davyi</i> Hutch. Biological Trace Element Research, 2020, 198, 303-314.	1.9	5
296	Synthesis of a sustainable heterogeneous catalyst, titanium dioxide-loaded hydroxyapatite for functionalised chromen ^{2,3-d} hydropyridines under green conditions. Applied Organometallic Chemistry, 0, , e6442.	1.7	5
297	Manganese oxide supported partially reduced graphene oxide as a highly active and durable catalyst for the amination of benzene. Catalysis Communications, 2021, 157, 106329.	1.6	5
298	Synthesis of 2-Substituted 4-Arylidene-5(4H)-oxazolones as Potential Cytotoxic Agents in the Presence of Lemon Juice as a Biocatalyst. Combinatorial Chemistry and High Throughput Screening, 2020, 22, 625-634.	0.6	5
299	Novel Chromeno[2,3-d]pyrimidines-Design, Synthesis and Antioxidant Activity. Letters in Drug Design and Discovery, 2017, 14, .	0.4	5
300	A sustainable molybdenum oxide loaded on zirconia (MoO ₃ /ZrO ₂) catalysed multicomponent reaction to synthesise novel dihydropyridines. Sustainable Chemistry and Pharmacy, 2022, 25, 100578.	1.6	5
301	Classical Intermolecular Hydrogen Bonding Motifs of Heterocyclic <i>2-Amino-3-carbonitrile</i> Derivatives: Linking Hirshfeld Surface Analysis, CT-DNA Binding Affinity, and Molecular Docking. Crystal Growth and Design, 2022, 22, 5814-5834.	1.4	5
302	Belousov-Zhabotinskii oscillating reaction in solutions containing gallic acid. Journal of the Chemical Society Faraday Transactions I, 1977, 73, 1843.	1.0	4
303	Kinetics and mechanism of reaction of acridine orange with bromate ion at low pH. Journal of Physical Organic Chemistry, 1995, 8, 175-185.	0.9	4
304	Nonlinear dynamics in closed biological and chemical systems. Pure and Applied Chemistry, 1998, 70, 645-650.	0.9	4
305	Speciation and stability of methylene blue-metal-thiocyanate ion-association complexes. Bulletin of the Chemical Society of Ethiopia, 2008, 22, .	0.5	4
306	Ozone facilitated dechlorination of 2-chloroethanol and impact of organic solvents and activated charcoal. Environmental Monitoring and Assessment, 2013, 185, 8227-8237.	1.3	4

#	ARTICLE	IF	CITATIONS
307	Elemental Analysis of Edible Mountain Nettle (<i>Obetia tenax</i>) and the Influence of Soil on Its Chemical Composition. <i>Analytical Letters</i> , 2017, 50, 1531-1551.	1.0	4
308	A Facile Synthesis of Molybdenum-Promoted Reduced Graphene Oxide as Catalyst towards Epoxidation of Cyclohexene. <i>ChemistrySelect</i> , 2019, 4, 5381-5385.	0.7	4
309	Design and synthesis of novel 6-substituted quinazoline-2-thiols. <i>Molecular Diversity</i> , 2019, 23, 351-360.	2.1	4
310	Elemental distribution in the edible leaves of <i>Celosia trigyna</i> from the western and northern regions of Nigeria. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2019, 54, 61-69.	0.7	4
311	Kinetics of oxidation of triaryl methane dye, brilliant blue-r with chlorine dioxide. <i>South African Journal of Chemistry</i> , 2019, 72, 40-46.	0.3	4
312	Investigation of photocatalytic mineralisation of Acridine Yellow G dye by BaCrO ₄ in the presence of eco-friendly LEDs irradiation. <i>Journal of the Indian Chemical Society</i> , 2022, 99, 100340.	1.3	4
313	N ³ /4-pyridinyl Schiff base copper(II) benzoate complexes: synthesis, crystal structures and ring-opening polymerization studies. <i>Transition Metal Chemistry</i> , 2022, 47, 113-126.	0.7	4
314	A novel LC-MS/MS method for simultaneous estimation of acalabrutinib and its active metabolite acalabrutinib M ₂₇ in human plasma and application to a human pharmacokinetic study. <i>RSC Advances</i> , 2022, 12, 6631-6639.	1.7	4
315	ENVIRONMENTAL QUALITY ASSESSMENT. <i>Analytical Sciences</i> , 1991, 7, 1057-1060.	0.8	3
316	Studies on the chemical composition of precipitation during 1991-92 rainy season in Zimbabwe. <i>International Journal of Environmental Health Research</i> , 1996, 6, 141-152.	1.3	3
317	Studies on arsenic rich mine dumps: I. Effect on the surface soil. <i>Journal of Environmental Science and Health Part A: Environmental Science and Engineering</i> , 1996, 31, 1909-1915.	0.1	3
318	Kinetics and mechanism of autocatalyzed reaction between Phenyl Hydrazine and Toluidine blue in aqueous solution. <i>International Journal of Chemical Kinetics</i> , 1999, 31, 83-88.	1.0	3
319	Oxidative Degradation of Indigocarmine by Hypochlorite-A Tool for Determination of Hypochlorite in Commercial Samples. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2003, 38, 1055-1064.	0.9	3
320	Oxidation of Higher Alkanes at Moderate Reaction Conditions with Ozone in Presence of Mesoporous Materials. <i>Journal of Advanced Oxidation Technologies</i> , 2008, 11, .	0.5	3
321	Scope of Metal Loaded Microporous Zeolite-Y as Catalyst in Ozone Initiated Oxidation of n-hexadecane. <i>Journal of Advanced Oxidation Technologies</i> , 2009, 12, .	0.5	3
322	Recent Trends in Kinetics in Analytical Chemistry and Kinetic Method for Determination of Ruthenium (III) Using Aniline Blue-Acidic Chlorite Reaction. <i>Analytical Letters</i> , 2011, 44, 1868-1878.	1.0	3
323	One-pot three-component synthesis of 4-aryl-3,4-dihydro-pyrimidin-2(1H)-thiones catalyzed by Ni loaded SiO ₂ . <i>Bulletin of the Chemical Society of Ethiopia</i> , 2012, 26, .	0.5	3
324	Covalently Functionalized Nano-Graphene Oxide for Fine Chemical Synthesis. , 0, , .		3

#	ARTICLE	IF	CITATIONS
325	Elemental Analysis and Nutritional Value of Seaweed from the East Coast of KwaZulu-Natal, South Africa. <i>Analytical Letters</i> , 2017, 50, 580-590.	1.0	3
326	Simultaneous quantification of lidocaine and prilocaine in human plasma by LC-MS/MS and its application in a human pharmacokinetic study. <i>Practical Laboratory Medicine</i> , 2019, 17, e00129.	0.6	3
327	A green protocol for the synthesis of new 1,4-dihydropyridine derivatives using Fe ₂ O ₃ /ZrO ₂ as a reusable catalyst. <i>Research on Chemical Intermediates</i> , 2019, 45, 4555-4572.	1.3	3
328	Unique Lewis and Bronsted acidic sites texture in the selective production of tetrahydropyran and oxepanefrom 1,5-pentanediol and 1,6-hexanediol over sustainable red brick clay catalyst. <i>Heliyon</i> , 2019, 5, e01212.	1.4	3
329	Ceria doped TiO ₂ as photocatalyst for water treatment under visible light. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 668, 012011.	0.3	3
330	Simple one-pot green method for large-scale production of mesalamine, an anti-inflammatory agent. <i>Green Processing and Synthesis</i> , 2019, 8, 320-323.	1.3	3
331	Excellent catalytic activity of ethylenediamine stabilised oxalate ligated aluminium coordination complex for synthesis of novel benzoquinolines. <i>Polyhedron</i> , 2020, 189, 114734.	1.0	3
332	Ultrasound-Mediated Green Synthesis of Novel Functionalized Benzothiazole[3,2- <i>a</i>]Pyrimidine Derivatives through a Multicomponent Reaction. <i>Polycyclic Aromatic Compounds</i> , 2022, 42, 3348-3360.	1.4	3
333	Design, Synthesis and Biological Evaluation of Novel Heterocyclic Fluoroquinolone Citrate Conjugates as Potential Inhibitors of Topoisomerase IV: A Computational Molecular Modeling Study. <i>Current Drug Discovery Technologies</i> , 2021, 18, 11-30.	0.6	3
334	Cu(II) catalyzed reaction between phenyl hydrazine and toluidine blue? dual role of acid. <i>International Journal of Chemical Kinetics</i> , 1999, 31, 271-276.	1.0	2
335	SEAWATER IN TREATMENT OF WASTE WATERS. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2002, 37, 1523-1531.	0.9	2
336	Kinetics and mechanism of the oxidation of 4-methyl-3-thiosemicarbazide by acidic bromate. <i>International Journal of Chemical Kinetics</i> , 2002, 34, 237-247.	1.0	2
337	Kinetics and simulations of reaction between safranin-O and acidic bromate and role of bromide therein. <i>International Journal of Chemical Kinetics</i> , 2002, 34, 542-549.	1.0	2
338	Ozone initiated oxidation of long chained n-alkanes in the presence of activated charcoal or silica gel. <i>Reaction Kinetics and Catalysis Letters</i> , 2008, 94, 289-299.	0.6	2
339	KINETICS AND MECHANISM OF PRUSSIAN BLUE FORMATION. <i>Bulletin of the Chemical Society of Ethiopia</i> , 2009, 23, .	0.5	2
340	Kinetics and Mechanism of the Oxidation of Methylene Violet by Bromate at Acidic pH and the Dual Role of Bromide Ion. <i>Journal of Physical Chemistry A</i> , 2009, 113, 5540-5549.	1.1	2
341	Oxidation of Toluidine Blue by Chlorite in Acid and Mechanisms of the Uncatalyzed and Ru(III)-Catalyzed Reactions: A Kinetic Approach. <i>Journal of Physical Chemistry A</i> , 2010, 114, 12162-12167.	1.1	2
342	Synthesis of thermally stable metal substituted hydroxy apatites for the selective oxidation of light paraffins. <i>Bulletin of the Chemical Society of Ethiopia</i> , 2012, 27, .	0.5	2

#	ARTICLE	IF	CITATIONS
343	Synthesis and Biological Evaluation of Novel Thio-1,4-dihydropyrimidine-5-carboxylate Derivatives. Asian Journal of Chemistry, 2013, 25, 385-389.	0.1	2
344	Oxone Mediated Oxidation of 2-(aryl/alkyl thio) Quinazolines: A Green Approach. Current Green Chemistry, 2018, 5, 108-113.	0.7	2
345	Uptake, Translocation, and Bioaccumulation of Elements in Forest Nettle (<i>Laportea alatis</i>). Analytical Letters, 2019, 52, 1050-1067.	1.0	2
346	Removal of 2,4-Dichlorophenoxyacetic acid from water and organic by-product minimization by catalytic ozonation. Journal of Environmental Health Science & Engineering, 2019, 17, 85-95.	1.4	2
347	Elemental analysis of the edible fruit of <i>Carpobrotus dimidiatus</i> (from Kwazulu-Natal, South Africa) and the influence of soil quality on its elemental uptake. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2020, 55, 406-415.	0.7	2
348	Quantitative estimation of Fulvestrant injection 505(j) composition and impurities profile by capillary gas chromatography and HPLC-PDA techniques. Journal of the Iranian Chemical Society, 2021, 18, 1443-1454.	1.2	2
349	A Review on Advanced Oxidation Processes (AOPs) for Wastewater Remediation. Asian Journal of Chemistry, 2020, 32, 2677-2684.	0.1	2
350	Facile Method for the Synthesis of Cyanoacrylates by Knoevenagel Condensation. Organic Preparations and Procedures International, 2021, 53, 18-24.	0.6	2
351	Organo-catalysis as emerging tools in organic synthesis: aldol and Michael reactions. ChemistrySelect, 2022, .	0.7	2
352	Antioxidant activity of the bioactive compounds from the edible fruits and leaves of <i>Ficus sur</i> Forssk. (Moraceae). South African Journal of Science, 2022, 118, .	0.3	2
353	Highly active reduced graphene oxide supported Ni nanoparticles for C-S coupling reactions. Nanoscale Advances, 2022, 4, 3131-3135.	2.2	2
354	A modified chain mechanism for the oxidation of malachite green with peroxydisulphate ion. International Journal of Chemical Kinetics, 1992, 24, 1113-1116.	1.0	1
355	Studies on elemental concentrations in the Odzi river waters. International Journal of Environmental Health Research, 1998, 8, 145-152.	1.3	1
356	Synthesis, Characterization, and Application of TiO ₂ Nanoparticles – Effect of pH Adjusted Solvent. Journal of Advanced Oxidation Technologies, 2015, 18, .	0.5	1
357	Recyclable Materials as Catalysts for Nonbiodegradable Organics in Water Treatment. , 2019, , 497-503.		1
358	Distribution and Assessment of Heavy Metals in <i>Trifolium dubium</i> (Little Hop Clover) and the Impact of Soil Quality. Analytical Letters, 2019, 52, 1165-1176.	1.0	1
359	A novel use of Boc-Oxyima as reagent for tert-butoxycarbonylation of amines and amino acid esters. Chemical Data Collections, 2020, 30, 100592.	1.1	1
360	Epoxidation of trans-stilbene with molecular oxygen over an eco-friendly heterogeneous cobalt oxide/reduced graphene oxide composite material. Research on Chemical Intermediates, 2020, 46, 4465-4473.	1.3	1

#	ARTICLE	IF	CITATIONS
361	An Improved Preparation of Azilsartan. <i>Organic Preparations and Procedures International</i> , 2020, 52, 550-555.	0.6	1
362	Green Synthesis of Cu Nanoparticles in Modulating the Reactivity of Amine-Functionalized Composite Materials towards Cross-Coupling Reactions. <i>Nanomaterials</i> , 2021, 11, 2260.	1.9	1
363	Excellent Catalytic Activity of Two Cd(II) Metal-Organic Frameworks in The Synthesis of Benzothiazolo-Pyrimidines. <i>ChemistrySelect</i> , 2021, 6, 11682-11689.	0.7	1
364	Assessment of groundwater vulnerability to seawater intrusion using multiple approaches. <i>Arabian Journal of Geosciences</i> , 2022, 15, 1.	0.6	1
365	Rainwater quality during 1991-1993 and constituents of milky rain (November 1992) in Bulawayo, Zimbabwe. <i>Science of the Total Environment</i> , 1996, 186, 273-281.	3.9	0
366	Precipitation chemistry in Zimbabwe, Southern Africa. <i>Journal of Environmental Science and Health Part A: Environmental Science and Engineering</i> , 1996, 31, 977-993.	0.1	0
367	Easy to use program "Simkine" for simulating kinetic profiles of multi-step chemical Systems and optimisation of predictable rate coefficients therein. <i>Bulletin of the Chemical Society of Ethiopia</i> , 2012, 26, .	0.5	0
368	A splendid method for synthesis of 2-(benzothiazole)-3-phenyl acrylonitrile derivatives catalysed by piperidine. <i>Bulletin of the Chemical Society of Ethiopia</i> , 2012, 26, .	0.5	0
369	Crystal structure of (E)-4-((4-chlorophenylimino)methyl)pyridinium 3,5-dinitrobenzoate, C ₁₉ H ₁₃ ClN ₄ O ₆ . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 2020, 235, 621-623.	0.1	0
370	Studies on thermal stability and life estimation of epoxy adhesive by thermogravimetric analysis for high-temperature applications. <i>Bulletin of Materials Science</i> , 2020, 43, 1.	0.8	0
371	Surface modification of metal-organic frameworks for biomedical applications. , 2020, , 111-139.		0
372	A New Method for Preparation of Rilpivirine Intermediate. <i>Polycyclic Aromatic Compounds</i> , 0, , 1-7.	1.4	0
373	Preparation and characterisation of new Ti/Fluorapatite/MWCNTs ternary nanocomposite and its catalytic activity in the synthesis of pyrazolo[3,4-b]quinoline moieties. <i>Materials Today Communications</i> , 2021, 27, 102206.	0.9	0
374	Comparing Nutritional Quality, Antioxidant, and Antiulcer Activity of Two Amaranthaceae Plants: <i>Achyranthes aspera</i> and <i>Amaranthus spinosus</i> . <i>Current Topics in Nutraceutical Research</i> , 2020, 19, 493-500.	0.1	0
375	Critical trends in synthetic organic chemistry in terms of organocatalysis. <i>ChemistrySelect</i> , 2022, 7, 325-344.	0.7	0
376	Methyl 2-[(tert-Butoxycarbonyl)amino]-3-hydroxy-3-phenylpropanoate: Synthesis of Erythro (±) Isomer by Reduction and Threo (±) Isomer by Inversion Method. <i>Russian Journal of General Chemistry</i> , 2021, 91, 2539-2545.	0.3	0
377	Synthesis of antiviral drugs by using carbon-carbon and carbon-heteroatom bond formation under greener conditions. <i>ChemistrySelect</i> , 2022, .	0.7	0