

# Mallikarjuna N Nadagouda

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

238  
papers

13,450  
citations

58  
h-index

110  
g-index

252  
ext. papers

15,460  
ext. citations

7.4  
avg, IF

6.99  
L-index

#	Paper	IF	Citations
238	Nano-enhanced treatment of per-fluorinated and poly-fluorinated alkyl substances (PFAS). <i>Current Opinion in Chemical Engineering</i> , <b>2022</b> , 35, 100779	5.4	1
237	Hafnium doped tungsten oxide intercalated carbon matrix for electrochemical detection of perfluorooctanoic acid. <i>Chemical Engineering Journal</i> , <b>2022</b> , 434, 134700	14.7	1
236	High-pressure membrane filtration processes for separation of Per- and polyfluoroalkyl substances (PFAS). <i>Chemical Engineering Journal</i> , <b>2022</b> , 431, 134023	14.7	0
235	Remediation of per- and polyfluoroalkyls (PFAS) via electrochemical methods. <i>Chemical Engineering Journal</i> , <b>2022</b> , 430, 132895	14.7	11
234	Applications of conventional and advanced technologies for phosphorus remediation from contaminated water <b>2022</b> , 181-213		1
233	A comprehensive review on algae removal and control by coagulation-based processes: mechanism, material, and application. <i>Separation and Purification Technology</i> , <b>2022</b> , 121106	8.3	0
232	Combinatorial effects of non-thermal plasma oxidation processes and photocatalytic activity on the inactivation of bacteria and degradation of toxic compounds in wastewater.. <i>RSC Advances</i> , <b>2022</b> , 12, 14246-14259	3.7	1
231	Solar light induced photocatalytic activation of peroxymonosulfate by ultra-thin Ti <sup>3+</sup> self-doped Fe <sub>2</sub> O <sub>3</sub> /TiO <sub>2</sub> nanoflakes for the degradation of naphthalene. <i>Applied Catalysis B: Environmental</i> , <b>2022</b> , 315, 121532	21.8	1
230	Assessment of health, safety, and economics of surface-modified nanomaterials for catalytic applications <b>2022</b> , 289-317		
229	Per- and polyfluoroalkyl substances in water and wastewater: A critical review of their global occurrence and distribution. <i>Science of the Total Environment</i> , <b>2021</b> , 151003	10.2	16
228	Flexible reusable hierarchical hybrid catalyst for rapid and complete degradation of triclosan in water. <i>Science of the Total Environment</i> , <b>2021</b> , 766, 144109	10.2	1
227	Synthesis of different biofuels from livestock waste materials and their potential as sustainable feedstocks [A review]. <i>Energy Conversion and Management</i> , <b>2021</b> , 236, 114038	10.6	34
226	Biomass utilization and production of biofuels from carbon neutral materials. <i>Environmental Pollution</i> , <b>2021</b> , 276, 116731	9.3	46
225	Quartz Crystal Microbalance with Dissipation: A New Approach of Examining Corrosion of New Copper Surfaces in Drinking Water. <i>Environmental Science &amp; Technology</i> , <b>2021</b> ,	10.3	5
224	Turn-off Fluorescent Sensing of Energetic Materials using Protonic Acid doped Polyaniline: A Spectrochemical Mechanistic Approach. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2021</b> , 647, 331-340	1.3	4
223	Microplastics in the environment: Occurrence, perils, and eradication. <i>Chemical Engineering Journal</i> , <b>2021</b> , 408, 127317	14.7	42
222	Nanomaterials in the environment, human exposure pathway, and health effects: A review. <i>Science of the Total Environment</i> , <b>2021</b> , 759, 143470	10.2	47

221	Comparative toxicity reduction potential of UV/sodium percarbonate and UV/hydrogen peroxide treatments for bisphenol A in water: An integrated analysis using chemical, computational, biological, and metabolomic approaches. <i>Water Research</i> , <b>2021</b> , 190, 116755	12.5	15
220	Novel microwave-driven synthesis of hydrophilic polyvinylidene fluoride/polyacrylic acid (PVDF/PAA) membranes and decoration with nano zero-valent-iron (nZVI) for water treatment applications. <i>Journal of Membrane Science</i> , <b>2021</b> , 620, 118817	9.6	14
219	Activation of inorganic peroxides with magnetic graphene for the removal of antibiotics from wastewater. <i>Environmental Science: Nano</i> , <b>2021</b> , 8, 960-977	7.1	14
218	Cross-Flow Treatment of PFAS in Water: Materials Challenges and Potential Solutions. <i>Accounts of Materials Research</i> , <b>2021</b> , 2, 129-133	7.5	2
217	Graphene-Based Composites for Phosphate Removal. <i>ACS Omega</i> , <b>2021</b> , 6, 4119-4125	3.9	1
216	Monodispersed core/shell nanospheres of ZnS/NiO with enhanced H generation and quantum efficiency at versatile photocatalytic conditions. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 413, 125359	12.8	14
215	Managing and treating per- and polyfluoroalkyl substances (PFAS) in membrane concentrates.. <i>AWWA Water Science</i> , <b>2021</b> , 3, 1-23	1.6	3
214	Photooxidative decomposition and defluorination of perfluorooctanoic acid (PFOA) using an innovative technology of UV-vis/ZnCuFeO/oxalic acid. <i>Chemosphere</i> , <b>2021</b> , 280, 130660	8.4	3
213	Identification and removal of micro- and nano-plastics: Efficient and cost-effective methods. <i>Chemical Engineering Journal</i> , <b>2021</b> , 421, 129816-129816	14.7	16
212	Remediation and mineralization processes for per- and polyfluoroalkyl substances (PFAS) in water: A review. <i>Science of the Total Environment</i> , <b>2021</b> , 794, 148987	10.2	4
211	Photocatalytic carbon dioxide reduction: Exploring the role of ultrathin 2D graphitic carbon nitride (g-C <sub>3</sub> N <sub>4</sub> ). <i>Chemical Engineering Journal</i> , <b>2021</b> , 425, 131402	14.7	15
210	Photocatalytic conversion of CO <sub>2</sub> into valuable products using emerging two-dimensional graphene-based nanomaterials: A step towards sustainability. <i>Chemical Engineering Journal</i> , <b>2021</b> , 425, 131401	14.7	4
209	Removal of Perfluorooctanesulfonic Acid in Water by Combining Zerovalent Iron Particles with Common Oxidants. <i>Environmental Engineering Science</i> , <b>2020</b> , 37, 472-481	2	12
208	Solar light-assisted remediation of domestic wastewater by NB-TiO <sub>2</sub> nanoparticles for potable reuse. <i>Applied Catalysis B: Environmental</i> , <b>2020</b> , 269, 118807	21.8	24
207	Novel franklinite-like synthetic zinc-ferrite redox nanomaterial: synthesis, and evaluation for degradation of diclofenac in water. <i>Applied Catalysis B: Environmental</i> , <b>2020</b> , 275, 119098-119098	21.8	18
206	Taguchi L9 (34) orthogonal array study based on methylene blue removal by single-walled carbon nanotubes-amine: Adsorption optimization using the experimental design method, kinetics, equilibrium and thermodynamics. <i>Journal of Molecular Liquids</i> , <b>2020</b> , 298, 112001	6	47
205	Effects of Dufour and Soret mechanisms on MHD mixed convective-radiative non-Newtonian liquid flow and heat transfer over a porous sheet. <i>Thermal Science and Engineering Progress</i> , <b>2020</b> , 16, 100459	3.6	26
204	A review of 3D printing techniques for environmental applications. <i>Current Opinion in Chemical Engineering</i> , <b>2020</b> , 28, 173-178	5.4	25

203	Benign zinc oxide betaine-modified biochar nanocomposites for phosphate removal from aqueous solutions. <i>Journal of Environmental Management</i> , <b>2020</b> , 272, 111048	7.9	28
202	A review on 3D printing techniques for medical applications. <i>Current Opinion in Chemical Engineering</i> , <b>2020</b> , 28, 152-157	5.4	19
201	Advanced Oxidation Processes <b>2020</b> , 173-206		
200	Virus Monitoring and Removal in Natural and Built Systems. <i>Journal of Environmental Engineering, ASCE</i> , <b>2020</b> , 146, 01820001	2	1
199	Lead Particle Size Fractionation and Identification in Newark, New Jersey's Drinking Water. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 13672-13679	10.3	19
198	Adsorptive interaction of peroxymonosulfate with graphene and catalytic assessment via non-radical pathway for the removal of aqueous pharmaceuticals. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 384, 121340	12.8	31
197	Environmentally friendly synthesized and magnetically recoverable designed ferrite photo-catalysts for wastewater treatment applications. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 381, 121200	12.8	23
196	Visible light-mediated and water-assisted selective hydrodeoxygenation of lignin-derived guaiacol to cyclohexanol. <i>Green Chemistry</i> , <b>2019</b> , 21, 1253-1257	10	17
195	Near UV-Irradiation of CuOx-Impregnated TiO2 Providing Active Species for H2 Production Through Methanol Photoreforming. <i>ChemCatChem</i> , <b>2019</b> , 11, 4314-4326	5.2	16
194	Membranes for dehydration of alcohols via pervaporation. <i>Journal of Environmental Management</i> , <b>2019</b> , 242, 415-429	7.9	62
193	Polymeric graphitic carbon nitride (g-CN)-based semiconducting nanostructured materials: Synthesis methods, properties and photocatalytic applications. <i>Journal of Environmental Management</i> , <b>2019</b> , 238, 25-40	7.9	232
192	A review on frontiers in plasmonic nano-photocatalysts for hydrogen production. <i>International Journal of Hydrogen Energy</i> , <b>2019</b> , 44, 10453-10472	6.7	148
191	Synthesis and characterization of magnetic manganese ferrites. <i>Materials Science for Energy Technologies</i> , <b>2019</b> , 2, 150-160	5.2	11
190	Georgeite: A Rare Copper Mineral with Important Drinking Water Implications. <i>Chemical Engineering Journal</i> , <b>2019</b> , 355, 1-10	14.7	10
189	Efficient degradation of atrazine with porous sulfurized Fe2O3 as catalyst for peroxymonosulfate activation. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 259, 118056	21.8	104
188	Chemical synthesis, molecular modeling and pharmacophore mapping of new pyrrole derivatives as inhibitors of InhA enzyme and Mycobacterium tuberculosis growth. <i>Medicinal Chemistry Research</i> , <b>2019</b> , 28, 1838-1863	2.2	1
187	Hydrothermal synthesis of photoactive nitrogen- and boron- codoped TiO2 nanoparticles for the treatment of bisphenol A in wastewater: Synthesis, photocatalytic activity, degradation byproducts and reaction pathways. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 241, 598-611	21.8	98
186	Membrane-based separation of potential emerging pollutants. <i>Separation and Purification Technology</i> , <b>2019</b> , 210, 850-866	8.3	185

185	Oxidative C-H activation of amines using protuberant lychee-like goethite. <i>Scientific Reports</i> , <b>2018</b> , 8, 2024	4.9	9
184	Catalysis for Environmental Applications <b>2018</b> , 207-230		1
183	Co-constructive development of a green chemistry-based model for the assessment of nanoparticles synthesis. <i>European Journal of Operational Research</i> , <b>2018</b> , 264, 472-490	5.6	38
182	Photocatalytic C-H Activation and Oxidative Esterification Using Pd@g-CN. <i>Catalysis Today</i> , <b>2018</b> , 309, 248-252	5.3	32
181	Cobalt ferrite nanoparticles with controlled composition-peroxymonosulfate mediated degradation of 2-phenylbenzimidazole-5-sulfonic acid. <i>Applied Catalysis B: Environmental</i> , <b>2018</b> , 221, 266-279	21.8	102
180	Degradation of atrazine by ZnxCu1-xFe2O4 nanomaterial-catalyzed sulfite under UV light irradiation: Green strategy to generate SO4 <sup>2-</sup> <i>Applied Catalysis B: Environmental</i> , <b>2018</b> , 221, 380-392	21.8	141
179	Phosphate recovery from water using cellulose enhanced magnesium carbonate pellets: Kinetics, isotherms, and desorption. <i>Chemical Engineering Journal</i> , <b>2018</b> , 352, 612-624	14.7	13
178	Electrode materials for lithium-ion batteries. <i>Materials Science for Energy Technologies</i> , <b>2018</b> , 1, 182-187	5.2	64
177	Robust nanocatalyst membranes for degradation of atrazine in water. <i>Journal of Water Process Engineering</i> , <b>2018</b> , 25, 15-21	6.7	11
176	Barium-Encapsulated Biodegradable Polycaprolactone for Sulfate Removal. <i>Water (Switzerland)</i> , <b>2018</b> , 10, 1789	3	
175	Pharmacophore mapping, molecular docking, chemical synthesis of some novel pyrrolyl benzamide derivatives and evaluation of their inhibitory activity against enoyl-ACP reductase (InhA) and Mycobacterium tuberculosis. <i>Bioorganic Chemistry</i> , <b>2018</b> , 81, 440-453	5.1	11
174	The role of nanomaterials as effective adsorbents and their applications in wastewater treatment. <i>Journal of Nanostructure in Chemistry</i> , <b>2017</b> , 7, 1-14	7.6	299
173	Solar-driven photocatalytic decomposition of microcystin-LR: from laboratory development to on-site demonstration. <i>Water Science and Technology: Water Supply</i> , <b>2017</b> , 17, 1722-1729	1.4	1
172	Robustness analysis of a green chemistry-based model for the classification of silver nanoparticles synthesis processes. <i>Journal of Cleaner Production</i> , <b>2017</b> , 162, 938-948	10.3	27
171	Removal of phosphate using calcium and magnesium-modified iron-based adsorbents. <i>Materials Chemistry and Physics</i> , <b>2017</b> , 198, 115-124	4.4	24
170	Hydroxylation of Benzene C-H Activation Using Bimetallic CuAg@g-CN. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 3637-3640	8.3	60
169	Fixation of carbon dioxide into dimethyl carbonate over titanium-based zeolitic thiophene-benzimidazolate framework. <i>Scientific Reports</i> , <b>2017</b> , 7, 655	4.9	20
168	A 3D graphene-based biosensor as an early microcystin-LR screening tool in sources of drinking water supply. <i>Electrochimica Acta</i> , <b>2017</b> , 236, 319-327	6.7	46

167	Antimicrobial and anticorrosive efficacy of inorganic nanoporous surfaces. <i>Clean Technologies and Environmental Policy</i> , <b>2017</b> , 19, 845-857	4.3	6
166	Porous nitrogen-enriched carbonaceous material from marine waste: chitosan-derived carbon nitride catalyst for aerial oxidation of 5-hydroxymethylfurfural (HMF) to 2,5-furandicarboxylic acid. <i>Scientific Reports</i> , <b>2017</b> , 7, 13596	4.9	34
165	Effect of surface properties of copper-modified commercial titanium dioxide photocatalysts on hydrogen production through photoreforming of alcohols. <i>International Journal of Hydrogen Energy</i> , <b>2017</b> , 42, 28349-28362	6.7	30
164	Mechanistic Study on Size Exclusion of NOM onto Porous TiO <sub>2</sub> for Target Contaminants Decomposition. <i>Water Environment Research</i> , <b>2017</b> , 89, 2006-2014	2.8	
163	Polymeric micelles: Basic research to clinical practice. <i>International Journal of Pharmaceutics</i> , <b>2017</b> , 532, 249-268	6.5	129
162	Sustainable pathway to furanics from biomass via heterogeneous organo-catalysis. <i>Green Chemistry</i> , <b>2017</b> , 19, 164-168	10	60
161	Aerobic oxidation of alcohols in visible light on Pd-grafted Ti cluster. <i>Tetrahedron</i> , <b>2017</b> , 73, 5577-5580	2.4	27
160	Magnetically recoverable TiO-WO photocatalyst to oxidize bisphenol A from model wastewater under simulated solar light. <i>Environmental Science and Pollution Research</i> , <b>2017</b> , 24, 12589-12598	5.1	20
159	Synthesis, biological evaluation and in silico molecular modeling of pyrrolyl benzohydrazide derivatives as enoyl ACP reductase inhibitors. <i>European Journal of Medicinal Chemistry</i> , <b>2017</b> , 126, 286-297	6.8	15
158	Efficient degradation of lindane by visible and simulated solar light-assisted S-TiO <sub>2</sub> /peroxymonosulfate process: Kinetics and mechanistic investigations. <i>Molecular Catalysis</i> , <b>2017</b> , 428, 9-16	3.3	22
157	A rapid flow strategy for the oxidative cyanation of secondary and tertiary amines via C-H activation. <i>Scientific Reports</i> , <b>2017</b> , 7, 16311	4.9	19
156	Photocatalysis as an effective advanced oxidation process. <i>Water Intelligence Online</i> , <b>2017</b> , 16, 333-381		5
155	Pyrrolyl Pyrazoline Carbaldehydes as Enoyl-ACP Reductase Inhibitors: Design, Synthesis and Antitubercular Activity. <i>Open Medicinal Chemistry Journal</i> , <b>2017</b> , 11, 92-108	1.2	2
154	Adsorption of Ammonium Ions onto Multi-Walled Carbon Nanotubes. <i>Studia Universitatis Babeş-Bolyai Chemia</i> , <b>2017</b> , 62, 233-245	1	31
153	Phosphate adsorption using modified iron oxide-based sorbents in lake water: Kinetics, equilibrium, and column tests. <i>Chemical Engineering Journal</i> , <b>2016</b> , 284, 1386-1396	14.7	272
152	Nanoscale TiO <sub>2</sub> films and their application in remediation of organic pollutants. <i>Coordination Chemistry Reviews</i> , <b>2016</b> , 306, 43-64	23.2	92
151	Sustainable Synthesis of Metal Oxide Nanostructures <b>2016</b> , 1-10		
150	Sustainable Strategy Utilizing Biomass: Visible-Light-Mediated Synthesis of Valerolactone. <i>ChemCatChem</i> , <b>2016</b> , 8, 690-693	5.2	35

149	A photoactive bimetallic framework for direct aminoformylation of nitroarenes. <i>Green Chemistry</i> , <b>2016</b> , 18, 1019-1022	10	28
148	An innovative zinc oxide-coated zeolite adsorbent for removal of humic acid. <i>Journal of Hazardous Materials</i> , <b>2016</b> , 313, 283-90	12.8	54
147	Titanium dioxide-based antibacterial surfaces for water treatment. <i>Current Opinion in Chemical Engineering</i> , <b>2016</b> , 11, 46-51	5.4	22
146	Influence of non-thermal TiCl <sub>4</sub> /Ar+O <sub>2</sub> plasma-assisted TiO <sub>x</sub> based coatings on the surface of polypropylene (PP) films for the tailoring of surface properties and cytocompatibility. <i>Materials Science and Engineering C</i> , <b>2016</b> , 62, 908-18	8.3	3
145	Magnetic [email protected]3N4: A Photoactive Catalyst for the Hydrogenation of Alkenes and Alkynes. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2016</b> , 4, 1661-1664	8.3	68
144	Selective Oxidation of Alcohols Using Photoactive [email protected]3N4. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2016</b> , 4, 1094-1098	8.3	77
143	Visible light mediated upgrading of biomass to biofuel. <i>Green Chemistry</i> , <b>2016</b> , 18, 1327-1331	10	53
142	Oxidative esterification via photocatalytic C <sup>III</sup> activation. <i>Green Chemistry</i> , <b>2016</b> , 18, 251-254	10	59
141	CHAPTER 1:Photocatalytic Degradation of Organic Contaminants in Water: Process Optimization and Degradation Pathways. <i>RSC Energy and Environment Series</i> , <b>2016</b> , 1-34	0.6	6
140	Carbon Nanotube Based Groundwater Remediation: The Case of Trichloroethylene. <i>Molecules</i> , <b>2016</b> , 21,	4.8	8
139	Ferrites as Photocatalysts for Water Splitting and Degradation of Contaminants. <i>ACS Symposium Series</i> , <b>2016</b> , 79-112	0.4	8
138	Room temperature synthesis of biodiesel using sulfonated graphitic carbon nitride. <i>Scientific Reports</i> , <b>2016</b> , 6, 39387	4.9	42
137	Characteristics of pipe-scale in the pipes of an urban drinking water distribution system in eastern China. <i>Water Science and Technology: Water Supply</i> , <b>2016</b> , 16, 715-726	1.4	13
136	The spatial distribution of pollutants in pipe-scale of large-diameter pipelines in a drinking water distribution system. <i>Journal of Hazardous Materials</i> , <b>2016</b> , 317, 27-35	12.8	30
135	Photocatalytic C <sup>III</sup> Activation of Hydrocarbons over [email protected]3N4. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2016</b> , 4, 2333-2336	8.3	78
134	Micelles as Soil and Water Decontamination Agents. <i>Chemical Reviews</i> , <b>2016</b> , 116, 6042-74	68.1	117
133	Titanium-based zeolitic imidazolate framework for chemical fixation of carbon dioxide. <i>Green Chemistry</i> , <b>2016</b> , 18, 4855-4858	10	49
132	The effect of basic pH and carbonate ion on the mechanism of photocatalytic destruction of cylindrospermopsin. <i>Water Research</i> , <b>2015</b> , 73, 353-61	12.5	65

131	The fabrication of innovative single crystal N,F-codoped titanium dioxide nanowires with enhanced photocatalytic activity for degradation of atrazine. <i>Applied Catalysis B: Environmental</i> , <b>2015</b> , 168-169, 550-558	21.8	55
130	Monitoring of 2-butanone using a Ag $\square$ u bimetallic alloy nanoscale electrochemical sensor. <i>RSC Advances</i> , <b>2015</b> , 5, 44427-44434	3.7	29
129	Synthesis, evaluation and in silico molecular modeling of pyrrolyl-1,3,4-thiadiazole inhibitors of InhA. <i>Bioorganic Chemistry</i> , <b>2015</b> , 59, 151-67	5.1	12
128	Design, synthesis of quinolinyl Schiff bases and azetidinones as enoyl ACP-reductase inhibitors. <i>Medicinal Chemistry Research</i> , <b>2015</b> , 24, 3892-3911	2.2	15
127	Magnetic graphitic carbon nitride: its application in the C-H activation of amines. <i>Chemical Communications</i> , <b>2015</b> , 51, 15554-7	5.8	74
126	Phosphate removal using modified Bayoxide $\square$ E33 adsorption media. <i>Environmental Science: Water Research and Technology</i> , <b>2015</b> , 1, 96-107	4.2	31
125	Controlled release of therapeutics using interpenetrating polymeric networks. <i>Expert Opinion on Drug Delivery</i> , <b>2015</b> , 12, 669-88	8	54
124	The copper $\square$ cotinamide complex: sustainable applications in coupling and cycloaddition reactions. <i>Green Chemistry</i> , <b>2015</b> , 17, 1243-1248	10	13
123	Identification of TiO <sub>2</sub> photocatalytic destruction byproducts and reaction pathway of cylindrospermopsin. <i>Applied Catalysis B: Environmental</i> , <b>2015</b> , 163, 591-598	21.8	36
122	Expeditious Synthesis of Noble Metal Nanoparticles Using Vitamin B12 under Microwave Irradiation. <i>Applied Sciences (Switzerland)</i> , <b>2015</b> , 5, 415-426	2.6	13
121	Oral insulin delivery using deoxycholic acid conjugated PEGylated polyhydroxybutyrate co-polymeric nanoparticles. <i>Nanomedicine</i> , <b>2015</b> , 10, 1569-83	5.6	50
120	A comparative study on the basis of adsorption capacity between CNTs and activated carbon as adsorbents for removal of noxious synthetic dyes: a review. <i>Journal of Nanostructure in Chemistry</i> , <b>2015</b> , 5, 227-236	7.6	143
119	A green chemistry-based classification model for the synthesis of silver nanoparticles. <i>Green Chemistry</i> , <b>2015</b> , 17, 2825-2839	10	77
118	Magnetically retrievable catalysts for asymmetric synthesis. <i>Coordination Chemistry Reviews</i> , <b>2015</b> , 287, 137-156	23.2	85
117	Hierarchical hybrid carbon nano-structures as robust and reusable adsorbents: Kinetic studies with model dye compound. <i>Chemical Engineering Journal</i> , <b>2015</b> , 268, 197-207	14.7	40
116	PEG-assisted synthesis of crystal TiO <sub>2</sub> nanowires with high specific surface area for enhanced photocatalytic degradation of atrazine. <i>Chemical Engineering Journal</i> , <b>2015</b> , 268, 170-179	14.7	76
115	Silver-based antibacterial surfaces for drinking water disinfection $\square$ n overview. <i>Current Opinion in Chemical Engineering</i> , <b>2014</b> , 3, 25-29	5.4	55
114	Polysaccharide-based micro/nanohydrogels for delivering macromolecular therapeutics. <i>Journal of Controlled Release</i> , <b>2014</b> , 193, 162-73	11.7	129

113	Synthesis of Silver and Gold Nanoparticles Using Antioxidants From Blackberry, Blueberry, Pomegranate, and Turmeric Extracts. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2014</b> , 2, 1717-1723	8.3	190
112	Design, synthesis, molecular docking and 3D-QSAR studies of potent inhibitors of enoyl-acyl carrier protein reductase as potential antimycobacterial agents. <i>European Journal of Medicinal Chemistry</i> , <b>2014</b> , 71, 199-218	6.8	25
111	Ruthenium on chitosan: a recyclable heterogeneous catalyst for aqueous hydration of nitriles to amides. <i>Green Chemistry</i> , <b>2014</b> , 16, 2122	10	95
110	Influence of operating parameters on surface properties of RF glow discharge oxygen plasma treated TiO <sub>2</sub> /PET film for biomedical application. <i>Materials Science and Engineering C</i> , <b>2014</b> , 36, 309-19	8.3	28
109	Pervaporation separation of water/propyl alcohol mixtures using silicotungstic acid loaded sulfonated poly(ether ether ketone) composite membranes. <i>RSC Advances</i> , <b>2014</b> , 4, 52571-52582	3.7	13
108	Polymorph-dependent titanium dioxide nanoparticle dissolution in acidic and alkali digestions. <i>Environmental Science: Nano</i> , <b>2014</b> , 1, 284-292	7.1	9
107	Guar gum as platform for the oral controlled release of therapeutics. <i>Expert Opinion on Drug Delivery</i> , <b>2014</b> , 11, 753-66	8	48
106	Carbon-coated magnetic palladium: applications in partial oxidation of alcohols and coupling reactions. <i>Green Chemistry</i> , <b>2014</b> , 16, 4333	10	58
105	Degradation of cylindrospermopsin by using polymorphic titanium dioxide under UV-vis irradiation. <i>Catalysis Today</i> , <b>2014</b> , 224, 49-55	5.3	27
104	Ultraviolet-Visible Light Sensitive High Surface Area Phosphorous-Fluorine Co-Doped TiO <sub>2</sub> Nanoparticles for the Degradation of Atrazine in Water. <i>Environmental Engineering Science</i> , <b>2014</b> , 31, 435-446	2	26
103	Visible light-sensitized S, N and C co-doped polymorphic TiO <sub>2</sub> for photocatalytic destruction of microcystin-LR. <i>Applied Catalysis B: Environmental</i> , <b>2014</b> , 144, 614-621	21.8	174
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