

# Inamuddin

## 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.

232  
papers

6,073  
citations

43  
h-index

69  
g-index

253  
ext. papers

7,585  
ext. citations

5.5  
avg, IF

6.7  
L-index

#	Paper	IF	Citations
232	Ion Exchange Techniques: Materials and Analytical Applications (Part: I). <i>Current Analytical Chemistry</i> , <b>2022</b> , 18, 254-254	1.7	
231	Polythiophene-titanium oxide (PTH-TiO <sub>2</sub> ) nanocomposite: As an electron transfer enhancer for biofuel cell anode construction. <i>Journal of Power Sources</i> , <b>2022</b> , 520, 230867	8.9	1
230	Adsorption of Cr(VI) on Ultrafine Al <sub>2</sub> O <sub>3</sub> -doped MnFe <sub>2</sub> O <sub>4</sub> nanocomposite surface: Experimental and theoretical study using double-layer modeling. <i>Journal of Physics and Chemistry of Solids</i> , <b>2022</b> , 163, 110544	3.9	1
229	Novel Z-scheme binary zinc tungsten oxide/nickel ferrite nanohybrids for photocatalytic reduction of chromium (Cr (VI)), photoelectrochemical water splitting and degradation of toxic organic pollutants. <i>Journal of Hazardous Materials</i> , <b>2022</b> , 423, 127044	12.8	21
228	Platinum-coated silicotungstic acid-sulfonated polyvinyl alcohol-polyaniline based hybrid ionic polymer metal composite membrane for bending actuation applications.. <i>Scientific Reports</i> , <b>2022</b> , 12, 4467	4.9	1
227	Efficient Cr(VI) and phosphate removal from contaminated water using MnTiFeO nanoflakes: Statistical modeling and interpretation. <i>Journal of Physics and Chemistry of Solids</i> , <b>2022</b> , 110715	3.9	1
226	Role of Pesticide Applications in Sustainable Agriculture <b>2021</b> , 235-256		
225	An Overview of Soil Chemistry and Role of Its Components in Sorption of Heavy Metals in Soil <b>2021</b> , 79-103		0
224	Soil Chemistry: Composition and Laws <b>2021</b> , 183-196		
223	Parameters of Soil Chemistry <b>2021</b> , 197-214		1
222	Benefits of Geochemistry and Its Impact on Human Health <b>2021</b> , 23-35		1
221	High Energy Density Polyaniline/Exfoliated Graphite Based Supercapacitor with Improved Stability in Wide Voltage Window. <i>Oriental Journal of Chemistry</i> , <b>2021</b> , 37, 450-458	0.8	
220	A Brief Insight on Factors Controlling Rate of Chemical Weathering of Minerals Existing in Soil <b>2021</b> , 23-40		
219	Modeling of Pollutant Mobility in Soil <b>2021</b> , 165-181		
218	Fertilization and Fertilizer Types <b>2021</b> , 123-148		0
217	Agroecosystems and Bioeconomy <b>2021</b> , 41-59		
216	Heavy Metal Chemistry in Soils <b>2021</b> , 149-163		

215	Applications of Geochemistry in Livestock: Health and Nutritional Perspective <b>2021</b> , 37-55		
214	Essential Soil Functions for Enhanced Agricultural Productivity and Food Production <b>2021</b> , 215-233		
213	Soil and Their Contaminants <b>2021</b> , 105-121		
212	Potential and Challenges of Carbon Sequestration in Soils <b>2021</b> , 1-21		2
211	Technological Advances in Analyzing of Soil Chemistry <b>2021</b> , 61-78		4
210	Application in Geochemistry Toward the Achievement of a Sustainable Agricultural Science <b>2021</b> , 57-72		
209	Toxic Pollutants in the Environment: Challenges in Analytical Chemistry - Volume I: Photo/Bio/Electrochemical Techniques in Analytical Chemistry and Photo/Bio/Electrochemical Techniques for Environmental Remediation. <i>Current Analytical Chemistry</i> , <b>2021</b> , 17, 571-572	1.7	
208	Marine Polysaccharides: Properties and Applications <b>2021</b> , 423-439		0
207	Polysaccharides Derived From Natural Sources: A Panacea to Health and Nutritional Challenges <b>2021</b> , 701-738		
206	State-of-the-Art and Prospective in Biofuel Cells: A Roadmap Towards Sustainability <b>2021</b> , 423-447		0
205	Nitrogen-doped carbon spheres-decorated graphite felt as a high-performance electrode for Fe based redox flow batteries. <i>Diamond and Related Materials</i> , <b>2021</b> , 116, 108413	3.5	3
204	Enzymatic Biofuel Cells <b>2021</b> , 97-121		
203	Toxic Pollutants in the Environment: Challenges in Analytical Chemistry - Volume II: Sustainable Chemical Engineering Techniques for Environmental Remediation. <i>Current Analytical Chemistry</i> , <b>2021</b> , 17, 730-730	1.7	
202	Removal of Targeted Pharmaceuticals and Personal Care Products from Wastewater Treatment Plants using QSAR Model. <i>Current Analytical Chemistry</i> , <b>2021</b> , 17, 1003-1015	1.7	1
201	Toxic Pollutants in the Environment: Challenges in Analytical Chemistry - Volume III: Wastewater Treatment using Biomass. <i>Current Analytical Chemistry</i> , <b>2021</b> , 17, 902-903	1.7	
200	Biofertilizer Utilization in Agricultural Sector <b>2021</b> , 293-307		1
199	Lignin to Value-added Chemical Synthesis. <i>Current Analytical Chemistry</i> , <b>2021</b> , 17, 936-946	1.7	
198	Development of a ternary conducting composite (PPy/Au/CNT@Fe <sub>3</sub> O <sub>4</sub> ) immobilized FRT/GOD bioanode for glucose/oxygen biofuel cell applications. <i>International Journal of Hydrogen Energy</i> , <b>2021</b> , 46, 3259-3269	6.7	16

197	A hybrid electro-responsive SWNT/PEDOT: PSS-based membrane towards soft actuator applications. <i>Journal of Reinforced Plastics and Composites</i> , <b>2021</b> , 40, 87-102	2.9	4
196	Optimization of N doping in TiO nanotubes for the enhanced solar light mediated photocatalytic H <sub>2</sub> production and dye degradation. <i>Environmental Pollution</i> , <b>2021</b> , 269, 116170	9.3	22
195	Catalyst design for maximizing C <sub>5+</sub> yields during Fischer-Tropsch synthesis. <i>International Journal of Hydrogen Energy</i> , <b>2021</b> , 46, 3289-3301	6.7	36
194	A Selective Ratiometric Receptor 2-((E)-(3-(prop-1-en-2-yl)phenylimino)methyl)-4-nitrophenol for the Detection of Cu ions Supported By DFT Studies. <i>Journal of Fluorescence</i> , <b>2021</b> , 31, 625-634	2.4	1
193	Environmental Contamination, Toxicology, and Safety by Nanocatalysts. <i>Current Analytical Chemistry</i> , <b>2021</b> , 17, 124-125	1.7	
192	Adsorption of Congo Red on Pb doped FeO: experimental study and theoretical modeling via double-layer statistical physics models. <i>Water Science and Technology</i> , <b>2021</b> , 83, 1714-1727	2.2	4
191	Monodispersed core/shell nanospheres of ZnS/NiO with enhanced H <sub>2</sub> generation and quantum efficiency at versatile photocatalytic conditions. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 413, 125359	12.8	14
190	Statistical modeling and interpretation of Sono-assisted adsorption mechanism of Crystal Violet dye on FeTiPbO Nanocomposite. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 340, 116878	6	1
189	A review: Evolution of enzymatic biofuel cells. <i>Journal of Environmental Management</i> , <b>2021</b> , 298, 113483-7.9	7.9	7
188	Spinel oxide incorporated photoanode for better power conversion efficiency in dye-sensitized solar cells. <i>Optik</i> , <b>2021</b> , 247, 167976	2.5	3
187	Hydrothermally synthesized defective NiMoSe <sub>2</sub> nanoplates decorated on the surface of functionalized SWCNTs doped polypyrrole scaffold for enzymatic biofuel cell applications. <i>International Journal of Hydrogen Energy</i> , <b>2021</b> , 46, 3240-3250	6.7	4
186	Green Synthesis of Silver Nanoparticles and Evaluation of Their Antibacterial Activity against Multidrug-Resistant Bacteria and Wound Healing Efficacy Using a Murine Model. <i>Antibiotics</i> , <b>2020</b> , 9,	4.9	12
185	Tuning the surface properties of Fe <sub>3</sub> O <sub>4</sub> by zwitterionic sulfobetaine: application to antifouling and dye removal membrane. <i>International Journal of Environmental Science and Technology</i> , <b>2020</b> , 17, 4047-4060	3.3	4
184	Kinetics of Cross-Linking Reaction of Epoxy Resin with Hydroxyapatite-Functionalized Layered Double Hydroxides. <i>Polymers</i> , <b>2020</b> , 12,	4.5	12
183	Stimuli-Responsive Conducting Polymer Composites <b>2020</b> , 159-186		
182	Pervaporation dehydration of bio-fuel (n-butanol) by dry thermal treatment membrane. <i>Materials Research Express</i> , <b>2020</b> , 7, 065001	1.7	1
181	Multifunctional Zn <sub>0.3</sub> Al <sub>0.4</sub> O <sub>4.5</sub> crystals: An efficient photocatalyst for formaldehyde degradation and EBT adsorption. <i>Arabian Journal of Chemistry</i> , <b>2020</b> , 13, 8262-8270	5.9	17
180	Optimization of rGO-PEI/Naph-SH/AgNWs/Frt/GOx nanocomposite anode for biofuel cell applications. <i>Scientific Reports</i> , <b>2020</b> , 10, 8919	4.9	10

179	Green synthesis of ZnO nanoparticles decorated on polyindole functionalized-MCNTs and used as anode material for enzymatic biofuel cell applications. <i>Scientific Reports</i> , <b>2020</b> , 10, 5052	4.9	30
178	Applications of chitosan (CHI)-reduced graphene oxide (rGO)-polyaniline (PANI) conducting composite electrode for energy generation in glucose biofuel cell. <i>Scientific Reports</i> , <b>2020</b> , 10, 10428	4.9	37
177	Thermal energy storage and thermal conductivity properties of Octadecanol-MWCNT composite PCMs as promising organic heat storage materials. <i>Scientific Reports</i> , <b>2020</b> , 10, 9168	4.9	12
176	Carbon nanotube-based adsorbents for the removal of dyes from waters: A review. <i>Environmental Chemistry Letters</i> , <b>2020</b> , 18, 605-629	13.3	69
175	Improved separation of dyes and proteins using membranes made of polyphenylsulfone/cellulose acetate or acetate phthalate. <i>Environmental Chemistry Letters</i> , <b>2020</b> , 18, 881-887	13.3	5
174	Assessment of sulfonated homo and co-polyimides incorporated polysulfone ultrafiltration blend membranes for effective removal of heavy metals and proteins. <i>Scientific Reports</i> , <b>2020</b> , 10, 7049	4.9	10
173	Effect of cellulose nano fibers and nano clays on the mechanical, morphological, thermal and dynamic mechanical performance of kenaf/epoxy composites. <i>Carbohydrate Polymers</i> , <b>2020</b> , 239, 116248	10.3	35
172	Application of Electrically Conducting Nanocomposite Material Polythiophene@NiO/Frt/GOx as Anode for Enzymatic Biofuel Cells. <i>Materials</i> , <b>2020</b> , 13,	3.5	16
171	Preparation and Properties of Novel Sulfonated Pentablock Copolymer (sPBC) Membrane for PEM Fuel Cell. <i>Smart Innovation, Systems and Technologies</i> , <b>2020</b> , 613-621	0.5	
170	Electrochemical Biosensor for the Detection of Amygdalin in Apple Seeds with a Hybrid of f-MWCNTs/CoFe <sub>2</sub> O <sub>4</sub> Nanocomposite. <i>Current Analytical Chemistry</i> , <b>2020</b> , 16, 660-668	1.7	10
169	Wastewater treatment and biomedical applications of montmorillonite based nanocomposites: A review. <i>Current Analytical Chemistry</i> , <b>2020</b> , 16,	1.7	7
168	Biogenic Synthesis of Selenium Nanoparticles with Edible Mushroom Extract: Evaluation of Cytotoxicity on Prostate Cancer Cell Lines and Their Antioxidant, and Antibacterial Activity. <i>Biointerface Research in Applied Chemistry</i> , <b>2020</b> , 10, 6629-6639	2.8	10
167	Fabrication and Characterization of Polysorbate/Ironmolybdophosphate Nanocomposite: Ion Exchange Properties and pH-responsive Drug Carrier System for Methylcobalamin. <i>Current Analytical Chemistry</i> , <b>2020</b> , 16, 138-148	1.7	0
166	Recent progress and remaining challenges in post-combustion CO <sub>2</sub> capture using metal-organic frameworks (MOFs). <i>Progress in Energy and Combustion Science</i> , <b>2020</b> , 80, 100849	33.6	114
165	Nano-engineered Adsorbent for the Removal of Dyes from Water: A Review. <i>Current Analytical Chemistry</i> , <b>2020</b> , 16, 14-40	1.7	92
164	Enhanced production of Valerolactone from levulinic acid hydrogenation-cyclization over ZrxCe <sub>1-x</sub> O <sub>2</sub> based Cu catalysts. <i>International Journal of Hydrogen Energy</i> , <b>2020</b> , 45, 26445-26457	6.7	7
163	One-pot biosynthesis of silver nanoparticle using Colocasia esculenta extract: Colorimetric detection of melamine in biological samples. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2020</b> , 391, 112310	4.7	13
162	Polyphenylsulfone/multiwalled carbon nanotubes mixed ultrafiltration membranes: Fabrication, characterization and removal of heavy metals Pb <sup>2+</sup> , Hg <sup>2+</sup> , and Cd <sup>2+</sup> from aqueous solutions. <i>Arabian Journal of Chemistry</i> , <b>2020</b> , 13, 4661-4672	5.9	40

161	Thermal energy storage and thermal conductivity properties of fatty acid/fatty acid-grafted-CNTs and fatty acid/CNTs as novel composite phase change materials. <i>Scientific Reports</i> , <b>2020</b> , 10, 15388	4.9	14
160	Experimental and Computational Studies of a Laccase Immobilized ZnONPs/GO-Based Electrochemical Enzymatic Biosensor for the Detection of Sucralose in Food Samples. <i>Food Analytical Methods</i> , <b>2020</b> , 13, 2014-2027	3.4	11
159	Development of l-glutamic acid biosensor with ternary ZnO/NiO/Al <sub>2</sub> O <sub>3</sub> nanoparticles. <i>Journal of Luminescence</i> , <b>2020</b> , 227, 117528	3.8	16
158	An in-silico layer-by-layer adsorption study of the interaction between Rebaudioside A and the T1R2 human sweet taste receptor: modelling and biosensing perspectives. <i>Scientific Reports</i> , <b>2020</b> , 10, 18391	4.9	2
157	Simultaneous detection of ethambutol and pyrazinamide with IL@CoFeONPs@MWCNTs fabricated glassy carbon electrode. <i>Scientific Reports</i> , <b>2020</b> , 10, 13563	4.9	16
156	Metal-organic frameworks (MOFs)-based efficient heterogeneous photocatalysts: Synthesis, properties and its applications in photocatalytic hydrogen generation, CO <sub>2</sub> reduction and photodegradation of organic dyes. <i>International Journal of Hydrogen Energy</i> , <b>2020</b> , 45, 7656-7679	6.7	132
155	Carbon-based nanomaterials for remediation of organic and inorganic pollutants from wastewater. A review. <i>Environmental Chemistry Letters</i> , <b>2020</b> , 18, 1169-1191	13.3	80
154	Multiwalled carbon nanotube-based nanosensor for ultrasensitive detection of uric acid, dopamine, and ascorbic acid. <i>Materials Science and Engineering C</i> , <b>2019</b> , 99, 248-254	8.3	67
153	Computational studies on the molecular insights of aptamer induced poly(N-isopropylacrylamide)-graft-graphene oxide for on/off- switchable whole-cell cancer diagnostics. <i>Scientific Reports</i> , <b>2019</b> , 9, 7873	4.9	8
152	Organic-Inorganic Hybrid Materials and Their Applications. <i>Polymers and Polymeric Composites</i> , <b>2019</b> , 1135-1156	0.6	5
151	Novel polyphenylsulfone (PPSU)/nano tin oxide (SnO <sub>2</sub> ) mixed matrix ultrafiltration hollow fiber membranes: Fabrication, characterization and toxic dyes removal from aqueous solutions. <i>Reactive and Functional Polymers</i> , <b>2019</b> , 139, 170-180	4.6	35
150	Nanostructured titanium oxide hybrids-based electrochemical biosensors for healthcare applications. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2019</b> , 178, 385-394	6	122
149	Preparation, Physicochemical Characterization, and Microrobotics Applications of Polyvinyl Chloride- (PVC-) Based PANI/PEDOT: PSS/ZrP Composite Cation-Exchange Membrane. <i>Advances in Materials Science and Engineering</i> , <b>2019</b> , 2019, 1-11	1.5	3
148	Kraton based polymeric nanocomposite bioanode for the application in a biofuel cell. <i>Enzyme and Microbial Technology</i> , <b>2019</b> , 127, 43-49	3.8	19
147	Preparation and Characterization of Gum Acacia/Ce(IV)MoPO <sub>4</sub> Nanocomposite Ion Exchanger for Photocatalytic Degradation of Methyl Violet Dye. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , <b>2019</b> , 29, 1171-1183	3.2	10
146	Use of cellulose acetate/polyphenylsulfone derivatives to fabricate ultrafiltration hollow fiber membranes for the removal of arsenic from drinking water. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 129, 715-727	7.9	55
145	Nanotechnology-based water quality management for wastewater treatment. <i>Environmental Chemistry Letters</i> , <b>2019</b> , 17, 65-121	13.3	70
144	Ternary graphene@polyaniline-TiO <sub>2</sub> composite for glucose biofuel cell anode application. <i>International Journal of Hydrogen Energy</i> , <b>2019</b> , 44, 22173-22180	6.7	27

143	Polyvinylidene fluoride/sulfonated graphene oxide blend membrane coated with polypyrrole/platinum electrode for ionic polymer metal composite actuator applications. <i>Scientific Reports</i> , <b>2019</b> , 9, 9877	4.9	10
142	Novel on-site residual screening of poly-diallyldimethylammonium chloride in treated potable water using gold nanoparticle based lovibond color filters. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2019</b> , 101, 159-166	5.3	4
141	Layer-by-layer deposition of TiO <sub>2</sub> /ZrO <sub>2</sub> electrode sensitized with Pandan leaves: natural dye-sensitized solar cell. <i>Materials for Renewable and Sustainable Energy</i> , <b>2019</b> , 8, 1	4.7	10
140	Functionalized magnetic nanoparticle-reduced graphene oxide nanocomposite for enzymatic biofuel cell applications. <i>International Journal of Hydrogen Energy</i> , <b>2019</b> , 44, 28294-28304	6.7	28
139	New features of non-linear time-dependent two-level atoms. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2019</b> , 105, 171-181	5.3	1
138	Nanohydroxyapatite Reinforced Chitosan Composite Hydrogel with Tunable Mechanical and Biological Properties for Cartilage Regeneration. <i>Scientific Reports</i> , <b>2019</b> , 9, 15957	4.9	28
137	One-step wet-chemical synthesis of ternary ZnO/CuO/Co <sub>3</sub> O <sub>4</sub> nanoparticles for sensitive and selective melamine sensor development. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 4849-4858	3.6	113
136	Complexing agents for metal removal using ultrafiltration membranes: a review. <i>Environmental Chemistry Letters</i> , <b>2019</b> , 17, 1195-1208	13.3	22
135	Preparation and characterization of a bioanode (GC/MnO <sub>2</sub> /PSS/Gph/Frt/GOx) for biofuel cell application. <i>International Journal of Hydrogen Energy</i> , <b>2019</b> , 44, 7308-7319	6.7	20
134	Modeling of neotame and fructose thermochemistry: Comparison with mono and divalent metal ions by Computational and experimental approach. <i>Scientific Reports</i> , <b>2019</b> , 9, 18414	4.9	1
133	Improved desalination by polyamide membranes containing hydrophilic glutamine and glycine. <i>Environmental Chemistry Letters</i> , <b>2019</b> , 17, 1053-1059	13.3	10
132	Organic-Inorganic Hybrid Materials and Their Applications. <i>Polymers and Polymeric Composites</i> , <b>2019</b> , 1-22	0.6	
131	Design and development of non-perfluorinated ionic polymer metal composite-based flexible link manipulator for robotics assembly. <i>Polymer Composites</i> , <b>2019</b> , 40, 2582-2593	3	6
130	Multiwalled carbon nanotube-based nanocomposites for artificial bone grafting <b>2019</b> , 111-126		4
129	Xanthan gum/titanium dioxide nanocomposite for photocatalytic degradation of methyl orange dye. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 121, 1046-1053	7.9	50
128	Recent developments in phase change materials for energy storage applications: A review. <i>International Journal of Heat and Mass Transfer</i> , <b>2019</b> , 129, 491-523	4.9	542
127	Antibiofouling hollow-fiber membranes for dye rejection by embedding chitosan and silver-loaded chitosan nanoparticles. <i>Environmental Chemistry Letters</i> , <b>2019</b> , 17, 581-587	13.3	20
126	Fouling-resistant membranes for water reuse. <i>Environmental Chemistry Letters</i> , <b>2018</b> , 16, 715-763	13.3	56

125	Nanostructured semiconducting materials for efficient hydrogen generation. <i>Environmental Chemistry Letters</i> , <b>2018</b> , 16, 765-796	13.3	64
124	Biocompatible mediated bioanode prepared by using poly(3,4-ethylene dioxythiophene) poly(styrene sulfonate) (PEDOT:PSS) and sulfonated graphene oxide integrated enzyme for biofuel cells applications. <i>Materials Science for Energy Technologies</i> , <b>2018</b> , 1, 63-69	5.2	12
123	Selectivity and sensitivity enhanced green energy waste based indirect-solid phase extraction of carbaryl supported by DFT and molecular docking studies. <i>Journal of Molecular Liquids</i> , <b>2018</b> , 257, 112-120	6.0	8
122	Photocatalytic Reforming of Biomass Derived Crude Glycerol in Water: A Sustainable Approach for Improved Hydrogen Generation Using Ni(OH) <sub>2</sub> Decorated TiO <sub>2</sub> Nanotubes under Solar Light Irradiation. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 3754-3764	8.3	48
121	Iron-based flow batteries to store renewable energies. <i>Environmental Chemistry Letters</i> , <b>2018</b> , 16, 683-694	13.3	33
120	Membrane technology for water purification. <i>Environmental Chemistry Letters</i> , <b>2018</b> , 16, 343-365	13.3	38
119	Proteomic-genomic adjustments and their confluence for elucidation of pathways and networks during liver fibrosis. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 111, 379-392	7.9	7
118	CuO Quantum Dots Decorated TiO <sub>2</sub> Nanocomposite Photocatalyst for Stable Hydrogen Generation. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2018</b> , 57, 568-577	3.9	51
117	Electrical switching behaviour of a metalloporphyrin in Langmuir-Blodgett film. <i>Organic Electronics</i> , <b>2018</b> , 55, 50-62	3.5	15
116	Fabrication and characterization of electrochemically prepared bioanode (polyaniline/ferritin/glucose oxidase) for biofuel cell application. <i>Chemical Physics Letters</i> , <b>2018</b> , 692, 277-284	2.5	21
115	Factors influencing corrosion of metal pipes in soils. <i>Environmental Chemistry Letters</i> , <b>2018</b> , 16, 861-879	13.3	41
114	Removal of metal ions and humic acids through polyetherimide membrane with grafted bentonite clay. <i>Scientific Reports</i> , <b>2018</b> , 8, 4665	4.9	54
113	Synthesis of magnetic carbon nanocomposites by hydrothermal carbonization and pyrolysis. <i>Environmental Chemistry Letters</i> , <b>2018</b> , 16, 821-844	13.3	48
112	Preparation and characterization of PANI@G/CWO nanocomposite for enhanced 2-nitrophenol sensing. <i>Applied Surface Science</i> , <b>2018</b> , 433, 696-704	6.7	41
111	Synthesis and characterization of a novel electron conducting biocomposite as biofuel cell anode. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 106, 755-762	7.9	33
110	Development of sulfonated poly(vinyl alcohol)/aluminium oxide/graphene based ionic polymer-metal composite (IPMC) actuator. <i>Sensors and Actuators A: Physical</i> , <b>2018</b> , 280, 114-124	3.9	16
109	Novel ionic polymer-metal composite actuator based on sulfonated poly(1,4-phenylene ether-ether-sulfone) and polyvinylidene fluoride/sulfonated graphene oxide.. <i>RSC Advances</i> , <b>2018</b> , 8, 25423-25435	3.7	11
108	Chemical sensing platform for the Zn ions based on poly(o-anisidine-co-methyl anthranilate) copolymer composites and their environmental remediation in real samples. <i>Environmental Science and Pollution Research</i> , <b>2018</b> , 25, 27899-27911	5.1	15



107	Performance intensification of the polysulfone ultrafiltration membrane by blending with copolymer encompassing novel derivative of poly(styrene-co-maleic anhydride) for heavy metal removal from wastewater. <i>Chemical Engineering Journal</i> , <b>2018</b> , 353, 425-435	14.7	71
106	Optimization of MnO <sub>2</sub> -Graphene/polythioaniline (MnO <sub>2</sub> -G/PTA) hybrid nanocomposite for the application of biofuel cell bioanode. <i>International Journal of Hydrogen Energy</i> , <b>2018</b> , 43, 15144-15154	6.7	28
105	Cerium dioxide and composites for the removal of toxic metal ions. <i>Environmental Chemistry Letters</i> , <b>2018</b> , 16, 1233-1246	13.3	32
104	Fabrication of polyetherimide nanocomposite membrane with amine functionalised halloysite nanotubes for effective removal of cationic dye effluents. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2018</b> , 93, 42-53	5.3	28
103	The adsorptive removal of Cr(VI) ions and antibacterial activity studies on hydrothermally synthesized iron oxide and zinc oxide nanocomposite. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2018</b> , 93, 342-349	5.3	10
102	Light induced DNA-functionalized TiO nanocrystalline interface: Theoretical and experimental insights towards DNA damage detection. <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>2018</b> , 188, 159-176	6.7	8
101	Smartphone based bioanalytical and diagnosis applications: A review. <i>Biosensors and Bioelectronics</i> , <b>2018</b> , 102, 136-149	11.8	174
100	Fe <sub>3</sub> O <sub>4</sub> -cyclodextrin-chitosan Bionanocomposite for Arsenic Removal from Aqueous Solution. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , <b>2018</b> , 28, 467-480	3.2	18
99	Ag@MnxOy: an effective catalyst for photo-degradation of rhodamine B dye. <i>Environmental Chemistry Letters</i> , <b>2018</b> , 16, 287-294	13.3	38
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