

# Inamuddin

## List of Publications by Year in descending order

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227  
papers

9,192  
citations

30047

54  
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51562

86  
g-index

254  
all docs

254  
docs citations

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times ranked

8790  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effective adsorption of Fuchsin dye on FeZnOAC: kinetic, isotherm, double-layer modelling and reusability study. <i>International Journal of Environmental Analytical Chemistry</i> , 2023, 103, 3954-3970.	1.8	6
2	Gold nanoparticles decorated on reduced graphene oxide as a supporting material for enzymatic bioanode. <i>Journal of Nanostructure in Chemistry</i> , 2023, 13, 349-359.	5.3	2
3	Double-layer modelling and physicochemical parameters interpretation for chromium adsorption on ZnMnOAC nanocomposite. <i>Inorganic and Nano-Metal Chemistry</i> , 2023, 53, 228-238.	0.9	3
4	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> , 2022, 423, 127044.	6.5	81
5	A Mini Review on Surface-Enhanced Raman Scattering based Nanoclusters for Sensing and Imaging Applications. <i>Current Analytical Chemistry</i> , 2022, 18, 430-439.	0.6	2
6	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> , 2022, 520, 230867.	4.0	14
7	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> , 2022, 163, 110544.	1.9	10
8	Ion Exchange Techniques: Materials and Analytical Applications (Part: I). <i>Current Analytical Chemistry</i> , 2022, 18, 254-254.	0.6	0
9	Platinum-coated silicotungstic acid-sulfonated polyvinyl alcohol-polyaniline based hybrid ionic polymer metal composite membrane for bending actuation applications. <i>Scientific Reports</i> , 2022, 12, 4467.	1.6	13
10	ZnS Quantum Dots Decorated on One-Dimensional Scaffold of MWCNT/PANI Conducting Nanocomposite as an Anode for Enzymatic Biofuel Cell. <i>Polymers</i> , 2022, 14, 1321.	2.0	9
11	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> , 2022, 167, 110715.	1.9	2
12	Recent development of aqueous zinc-ion battery cathodes and future challenges: Review. <i>International Journal of Energy Research</i> , 2022, 46, 13152-13177.	2.2	17
13	Investigating the performance of functionalized and pristine graphene oxide impregnated NaxMnO <sub>2</sub> nanocomposite membranes for PEM fuel cell. <i>Chemical Engineering Journal Advances</i> , 2022, 11, 100346.	2.4	3
14	Adsorption of Congo Red dye on CuO nanoparticles synthesized by green method using <i>Nyctanthes arbor-tristis</i> leaf extract: Experimental and theoretical study. <i>International Journal of Chemical Kinetics</i> , 2022, 54, 513-522.	1.0	7
15	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> , 2021, 46, 3259-3269.	3.8	27
16	A hybrid electro-responsive SWNT/PEDOT: PSS-based membrane towards soft actuator applications. <i>Journal of Reinforced Plastics and Composites</i> , 2021, 40, 87-102.	1.6	7
17	Recent development and applications of sustainable biofuel cells—Editorial. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 3033-3034.	3.8	0
18	Optimization of N doping in TiO <sub>2</sub> nanotubes for the enhanced solar light mediated photocatalytic H <sub>2</sub> production and dye degradation. <i>Environmental Pollution</i> , 2021, 269, 116170.	3.7	58

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19	Catalyst design for maximizing C5+ yields during Fischer-Tropsch synthesis. International Journal of Hydrogen Energy, 2021, 46, 3289-3301.	3.8	72
20	Smart Nanodevices for Point-of-Care Applications. Current Analytical Chemistry, 2021, 17, .	0.6	1
21	A Selective Ratiometric Receptor 2-((E)-(3-(prop-1-en-2-yl)phenylimino)methyl)-4-nitrophenol for the Detection of Cu <sup>2+</sup> Ions Supported By DFT Studies. Journal of Fluorescence, 2021, 31, 625-634.	1.3	4
22	Environmental Contamination, Toxicology, and Safety by Nanocatalysts. Current Analytical Chemistry, 2021, 17, 124-125.	0.6	0
23	Adsorption of Congo Red on Pb doped Fe <sub>3</sub> O <sub>4</sub> : experimental study and theoretical modeling via double-layer statistical physics models. Water Science and Technology, 2021, 83, 1714-1727.	1.2	10
24	High Energy Density Polyaniline/Exfoliated Graphite Based Supercapacitor with Improved Stability in Wide Voltage Window. Oriental Journal of Chemistry, 2021, 37, 450-458.	0.1	0
25	Titanium dioxide nanotubes conjugated with quercetin function as an effective anticancer agent by inducing apoptosis in melanoma cells. Journal of Nanostructure in Chemistry, 2021, 11, 721-734.	5.3	19
26	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. Current Analytical Chemistry, 2021, 17, 571-572.	0.6	0
27	Nitrogen-doped carbon spheres-decorated graphite felt as a high-performance electrode for Fe based redox flow batteries. Diamond and Related Materials, 2021, 116, 108413.	1.8	10
28	Toxic Pollutants in the Environment: Challenges in Analytical Chemistry - Volume II: Sustainable Chemical Engineering Techniques for Environmental Remediation. Current Analytical Chemistry, 2021, 17, 730-730.	0.6	0
29	Removal of Targeted Pharmaceuticals and Personal Care Products from Wastewater Treatment Plants using QSAR Model. Current Analytical Chemistry, 2021, 17, 1003-1015.	0.6	1
30	Toxic Pollutants in the Environment: Challenges in Analytical Chemistry - Volume III: Wastewater Treatment using Biomass. Current Analytical Chemistry, 2021, 17, 902-903.	0.6	0
31	Lignin to Value-added Chemical Synthesis. Current Analytical Chemistry, 2021, 17, 936-946.	0.6	1
32	Monodispersed core/shell nanospheres of ZnS/NiO with enhanced H <sub>2</sub> generation and quantum efficiency at versatile photocatalytic conditions. Journal of Hazardous Materials, 2021, 413, 125359.	6.5	36
33	Statistical modeling and interpretation of Sono-assisted adsorption mechanism of Crystal Violet dye on FeTiPbO Nanocomposite. Journal of Molecular Liquids, 2021, 340, 116878.	2.3	7
34	A review: Evolution of enzymatic biofuel cells. Journal of Environmental Management, 2021, 298, 113483.	3.8	31
35	Spinel oxide incorporated photoanode for better power conversion efficiency in dye-sensitized solar cells. Optik, 2021, 247, 167976.	1.4	8
36	Hydrothermally synthesized defective NiMoSe <sub>2</sub> nanoplates decorated on the surface of functionalized SWCNTs doped polypyrrole scaffold for enzymatic biofuel cell applications. International Journal of Hydrogen Energy, 2021, 46, 3240-3250.	3.8	11

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37	Wastewater Treatment and Biomedical Applications of Montmorillonite Based Nanocomposites: A Review. <i>Current Analytical Chemistry</i> , 2021, 18, 269-287.	0.6	24
38	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> , 2020, 45, 7656-7679.	3.8	214
39	Nano-engineered Adsorbent for the Removal of Dyes from Water: A Review. <i>Current Analytical Chemistry</i> , 2020, 16, 14-40.	0.6	148
40	Enhanced production of $\hat{1}^3$ -valerolactone from levulinic acid hydrogenation-cyclization over ZrxCe1-xO <sub>2</sub> based Cu catalysts. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 26445-26457.	3.8	19
41	One-pot biosynthesis of silver nanoparticle using <i>Colocasia esculenta</i> extract: Colorimetric detection of melamine in biological samples. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 391, 112310.	2.0	28
42	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> , 2020, 13, 4661-4672.	2.3	81
43	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> , 2020, 10, 15388.	1.6	37
44	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> , 2020, 13, 2014-2027.	1.3	17
45	Development of l-glutamic acid biosensor with ternary ZnO/NiO/Al <sub>2</sub> O <sub>3</sub> nanoparticles. <i>Journal of Luminescence</i> , 2020, 227, 117528.	1.5	21
46	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> , 2020, 10, 18391.	1.6	9
47	Simultaneous detection of ethambutol and pyrazinamide with IL@CoFe <sub>2</sub> O <sub>4</sub> NPs@MWCNTs fabricated glassy carbon electrode. <i>Scientific Reports</i> , 2020, 10, 13563.	1.6	23
48	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> , 2020, 9, 902.	1.5	45
49	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> , 2020, 17, 4047-4060.	1.8	12
50	Kinetics of Cross-Linking Reaction of Epoxy Resin with Hydroxyapatite-Functionalized Layered Double Hydroxides. <i>Polymers</i> , 2020, 12, 1157.	2.0	19
51	Pervaporation dehydration of bio-fuel (n-butanol) by dry thermal treatment membrane. <i>Materials Research Express</i> , 2020, 7, 065001.	0.8	5
52	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> , 2020, 13, 8262-8270.	2.3	30
53	Optimization of rGO-PEI/Naph-SH/AgNWs/Frt/GOx nanocomposite anode for biofuel cell applications. <i>Scientific Reports</i> , 2020, 10, 8919.	1.6	20
54	Green synthesis of ZnO nanoparticles decorated on polyindole functionalized-MCNTs and used as anode material for enzymatic biofuel cell applications. <i>Scientific Reports</i> , 2020, 10, 5052.	1.6	60

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55	Hydrogen Energy Production from Advanced Reforming Processes and Emerging Approaches. <i>Chemical Engineering and Technology</i> , 2020, 43, 600-600.	0.9	7
56	Applications of chitosan (CHI)-reduced graphene oxide (rGO)-polyaniline (PANI) conducting composite electrode for energy generation in glucose biofuel cell. <i>Scientific Reports</i> , 2020, 10, 10428.	1.6	61
57	Thermal energy storage and thermal conductivity properties of Octadecanol-MWCNT composite PCMs as promising organic heat storage materials. <i>Scientific Reports</i> , 2020, 10, 9168.	1.6	29
58	Carbon nanotube-based adsorbents for the removal of dyes from waters: A review. <i>Environmental Chemistry Letters</i> , 2020, 18, 605-629.	8.3	152
59	Improved separation of dyes and proteins using membranes made of polyphenylsulfone/cellulose acetate or acetate phthalate. <i>Environmental Chemistry Letters</i> , 2020, 18, 881-887.	8.3	16
60	Assessment of sulfonated homo and co-polyimides incorporated polysulfone ultrafiltration blend membranes for effective removal of heavy metals and proteins. <i>Scientific Reports</i> , 2020, 10, 7049.	1.6	19
61	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> , 2020, 239, 116248.	5.1	65
62	Application of Electrically Conducting Nanocomposite Material Polythiophene@NiO/Frt/GOx as Anode for Enzymatic Biofuel Cells. <i>Materials</i> , 2020, 13, 1823.	1.3	26
63	Carbon-based nanomaterials for remediation of organic and inorganic pollutants from wastewater. A review. <i>Environmental Chemistry Letters</i> , 2020, 18, 1169-1191.	8.3	145
64	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> , 2020, 80, 100849.	15.8	235
65	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> , 2020, 16, 660-668.	0.6	11
66	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> , 2020, 10, 6629-6639.	1.0	18
67	Fabrication and Characterization of Polysorbate/Ironmolybdophosphate Nanocomposite: Ion Exchange Properties and pH-responsive Drug Carrier System for Methylcobalamin. <i>Current Analytical Chemistry</i> , 2020, 16, 138-148.	0.6	1
68	Preparation and Properties of Novel Sulfonated Pentablock Copolymer (sPBC) Membrane for PEM Fuel Cell. <i>Smart Innovation, Systems and Technologies</i> , 2020, , 613-621.	0.5	1
69	Nanotechnology-based water quality management for wastewater treatment. <i>Environmental Chemistry Letters</i> , 2019, 17, 65-121.	8.3	105
70	Ternary graphene@polyaniline-TiO <sub>2</sub> composite for glucose biofuel cell anode application. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 22173-22180.	3.8	42
71	Polyvinylidene fluoride/sulfonated graphene oxide blend membrane coated with polypyrrole/platinum electrode for ionic polymer metal composite actuator applications. <i>Scientific Reports</i> , 2019, 9, 9877.	1.6	22
72	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> , 2019, 101, 159-166.	2.7	7

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73	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> , 2019, 8, 1.	1.5	19
74	Functionalized magnetic nanoparticle-reduced graphene oxide nanocomposite for enzymatic biofuel cell applications. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 28294-28304.	3.8	43
75	New features of non-linear time-dependent two-level atoms. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019, 105, 171-181.	2.7	2
76	Nanohydroxyapatite Reinforced Chitosan Composite Hydrogel with Tunable Mechanical and Biological Properties for Cartilage Regeneration. <i>Scientific Reports</i> , 2019, 9, 15957.	1.6	65
77	Multiwalled carbon nanotube-based nanosensor for ultrasensitive detection of uric acid, dopamine, and ascorbic acid. <i>Materials Science and Engineering C</i> , 2019, 99, 248-254.	3.8	109
78	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> , 2019, 9, 7873.	1.6	20
79	Organic-Inorganic Hybrid Materials and Their Applications. <i>Polymers and Polymeric Composites</i> , 2019, , 1135-1156.	0.6	10
80	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> , 2019, 139, 170-180.	2.0	54
81	Nanostructured titanium oxide hybrids-based electrochemical biosensors for healthcare applications. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 178, 385-394.	2.5	156
82	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> , 2019, 2019, 1-11.	1.0	10
83	Kraton based polymeric nanocomposite bioanode for the application in a biofuel cell. <i>Enzyme and Microbial Technology</i> , 2019, 127, 43-49.	1.6	26
84	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> , 2019, 29, 1171-1183.	1.9	16
85	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> , 2019, 129, 715-727.	3.6	89
86	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> , 2019, 43, 4849-4858.	1.4	149
87	Complexing agents for metal removal using ultrafiltration membranes: a review. <i>Environmental Chemistry Letters</i> , 2019, 17, 1195-1208.	8.3	45
88	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> , 2019, 44, 7308-7319.	3.8	27
89	Modeling of neotame and fructose thermochemistry: Comparison with mono and divalent metal ions by Computational and experimental approach. <i>Scientific Reports</i> , 2019, 9, 18414.	1.6	4
90	Improved desalination by polyamide membranes containing hydrophilic glutamine and glycine. <i>Environmental Chemistry Letters</i> , 2019, 17, 1053-1059.	8.3	23

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91	Organic-Inorganic Hybrid Materials and Their Applications. Polymers and Polymeric Composites, 2019, , 1-22.	0.6	0
92	Design and development of non- $\alpha$ -perfluorinated ionic polymer metal composite-based flexible link manipulator for robotics assembly. Polymer Composites, 2019, 40, 2582-2593.	2.3	18
93	Multiwalled carbon nanotube-based nanocomposites for artificial bone grafting. , 2019, , 111-126.		5
94	Xanthan gum/titanium dioxide nanocomposite for photocatalytic degradation of methyl orange dye. International Journal of Biological Macromolecules, 2019, 121, 1046-1053.	3.6	71
95	Recent developments in phase change materials for energy storage applications: A review. International Journal of Heat and Mass Transfer, 2019, 129, 491-523.	2.5	939
96	Antibiofouling hollow-fiber membranes for dye rejection by embedding chitosan and silver-loaded chitosan nanoparticles. Environmental Chemistry Letters, 2019, 17, 581-587.	8.3	40
97	Fouling-resistant membranes for water reuse. Environmental Chemistry Letters, 2018, 16, 715-763.	8.3	80
98	Nanostructured semiconducting materials for efficient hydrogen generation. Environmental Chemistry Letters, 2018, 16, 765-796.	8.3	97
99	Biocompatible mediated bioanode prepared by using poly(3,4-ethylene dioxythiophene) poly(styrene) Tj ETQq1 1 0.784314 rgBT /Ove applications. Materials Science for Energy Technologies, 2018, 1, 63-69.	1.0	16
100	Selectivity and sensitivity enhanced green energy waste based indirect- $\beta$ -solid phase extraction of carbaryl supported by DFT and molecular docking studies. Journal of Molecular Liquids, 2018, 257, 112-120.	2.3	11
101	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. ACS Sustainable Chemistry and Engineering, 2018, 6, 3754-3764.	3.2	67
102	Iron-based flow batteries to store renewable energies. Environmental Chemistry Letters, 2018, 16, 683-694.	8.3	61
103	Membrane technology for water purification. Environmental Chemistry Letters, 2018, 16, 343-365.	8.3	71
104	Proteomic-genomic adjustments and their confluence for elucidation of pathways and networks during liver fibrosis. International Journal of Biological Macromolecules, 2018, 111, 379-392.	3.6	9
105	CuO Quantum Dots Decorated TiO <sub>2</sub> Nanocomposite Photocatalyst for Stable Hydrogen Generation. Industrial & Engineering Chemistry Research, 2018, 57, 568-577.	1.8	69
106	Electrical switching behaviour of a metalloporphyrin in Langmuir-Blodgett film. Organic Electronics, 2018, 55, 50-62.	1.4	21
107	Fabrication and characterization of electrochemically prepared bioanode (polyaniline/ferritin/glucose oxidase) for biofuel cell application. Chemical Physics Letters, 2018, 692, 277-284.	1.2	27
108	Factors influencing corrosion of metal pipes in soils. Environmental Chemistry Letters, 2018, 16, 861-879.	8.3	92

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109	Removal of metal ions and humic acids through polyetherimide membrane with grafted bentonite clay. <i>Scientific Reports</i> , 2018, 8, 4665.	1.6	93
110	Synthesis of magnetic carbon nanocomposites by hydrothermal carbonization and pyrolysis. <i>Environmental Chemistry Letters</i> , 2018, 16, 821-844.	8.3	72
111	Preparation and characterization of PANI@C/CWO nanocomposite for enhanced 2-nitrophenol sensing. <i>Applied Surface Science</i> , 2018, 433, 696-704.	3.1	59
112	Synthesis and characterization of a novel electron conducting biocomposite as biofuel cell anode. <i>International Journal of Biological Macromolecules</i> , 2018, 106, 755-762.	3.6	40
113	Smartphone based bioanalytical and diagnosis applications: A review. <i>Biosensors and Bioelectronics</i> , 2018, 102, 136-149.	5.3	227
114	Fe <sub>3</sub> O <sub>4</sub> @ $\beta$ -cyclodextrin@Chitosan Bionanocomposite for Arsenic Removal from Aqueous Solution. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2018, 28, 467-480.	1.9	25
115	Ag@Mn <sub>x</sub> O <sub>y</sub> : an effective catalyst for photo-degradation of rhodamine B dye. <i>Environmental Chemistry Letters</i> , 2018, 16, 287-294.	8.3	58
116	Efficient Vapor-Phase Selective Hydrogenolysis of Bio-levulinic Acid to $\gamma$ -Valerolactone Using Cu Supported on Hydrotalcite Catalysts. <i>Global Challenges</i> , 2018, 2, 1800028.	1.8	14
117	Oxygen enriched network-type carbon spheres for multipurpose water purification applications. <i>Environmental Technology and Innovation</i> , 2018, 12, 160-171.	3.0	13
118	Recent trends in the synthesis of graphene and graphene oxide based nanomaterials for removal of heavy metals – A review. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 66, 29-44.	2.9	299
119	Graphene and its derivatives: synthesis, modifications, and applications in wastewater treatment. <i>Environmental Chemistry Letters</i> , 2018, 16, 1301-1323.	8.3	84
120	Exploring the Reusability of Synthetically Contaminated Wastewater Containing Crystal Violet Dye using <i>Tectona grandis</i> Sawdust as a Very Low-Cost Adsorbent. <i>Scientific Reports</i> , 2018, 8, 8314.	1.6	140
121	Montmorillonite clay nanocomposites for drug delivery. , 2018, , 633-648.		6
122	Development, Characterization and Electromechanical Actuation Behavior of Ionic Polymer Metal Composite Actuator based on Sulfonated Poly(1,4-phenylene ether-ether-sulfone)/Carbon Nanotubes. <i>Scientific Reports</i> , 2018, 8, 9909.	1.6	25
123	Bilayered ZnO/Nb <sub>2</sub> O <sub>5</sub> photoanode for dye sensitized solar cell. <i>International Journal of Modern Physics B</i> , 2018, 32, 1840046.	1.0	19
124	Development of sulfonated poly(vinyl alcohol)/aluminium oxide/graphene based ionic polymer-metal composite (IPMC) actuator. <i>Sensors and Actuators A: Physical</i> , 2018, 280, 114-124.	2.0	24
125	Novel ionic polymer-metal composite actuator based on sulfonated poly(1,4-phenylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T5 25423-25435.	1.7	15
126	Chemical sensing platform for the Zn <sup>2+</sup> 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> , 2018, 25, 27899-27911.	2.7	17



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127	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> , 2018, 353, 425-435.	6.6	96
128	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> , 2018, 43, 15144-15154.	3.8	41
129	Cerium dioxide and composites for the removal of toxic metal ions. <i>Environmental Chemistry Letters</i> , 2018, 16, 1233-1246.	8.3	47
130	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> , 2018, 93, 42-53.	2.7	48
131	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> , 2018, 93, 342-349.	2.7	23
132	Light induced DNA-functionalized TiO <sub>2</sub> nanocrystalline interface: Theoretical and experimental insights towards DNA damage detection. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 188, 159-176.	1.7	18
133	Carbonaceous quantum dot composites for the application of electrochemical supercapacitors. <i>Materials Research Foundations</i> , 2018, , 123-154.	0.2	1
134	Green sonochemical synthesis of conducting polymer/RuO <sub>2</sub> composite granules as an efficient electrode for supercapacitor applications. <i>Materials Research Foundations</i> , 2018, , 44-58.	0.2	1
135	Ultrasonic Assisted Synthesis of 2D-Functionalized Grapheneoxide@PEDOT Composite Thin Films and its Application in Electrochemical Capacitors. <i>Materials Research Foundations</i> , 2018, , 93-106.	0.2	0
136	Sol-gel synthesis, physicochemical characterization, and analytical applications of copper selective composite cation exchanger: Polyvinyl alcohol Ce(IV) phosphate. <i>Polymer Composites</i> , 2017, 38, 332-340.	2.3	3
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