

Inamuddin

List of Publications by Year in descending order

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papers

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docs citations

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Effective adsorption of Fuchsin dye on FeZnOAC: kinetic, isotherm, double-layer modelling and reusability study. International Journal of Environmental Analytical Chemistry, 2023, 103, 3954-3970.	3.3	6
2	Gold nanoparticles decorated on reduced graphene oxide as a supporting material for enzymatic bioanode. Journal of Nanostructure in Chemistry, 2023, 13, 349-359.	9.1	2
3	Double-layer modelling and physicochemical parameters interpretation for chromium adsorption on ZnMnOAC nanocomposite. Inorganic and Nano-Metal Chemistry, 2023, 53, 228-238.	1.6	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. Journal of Hazardous Materials, 2022, 423, 127044.	12.4	81
5	A Mini Review on Surface-Enhanced Raman Scattering based Nanoclusters for Sensing and Imaging Applications. Current Analytical Chemistry, 2022, 18, 430-439.	1.2	2
6	Polythiophene-titanium oxide (PTH-TiO ₂) nanocomposite: As an electron transfer enhancer for biofuel cell anode construction. Journal of Power Sources, 2022, 520, 230867.	7.8	14
7	Adsorption of Cr(VI) on Ultrafine Al ₂ O ₃ -doped MnFe ₂ O ₄ nanocomposite surface: Experimental and theoretical study using double-layer modeling. Journal of Physics and Chemistry of Solids, 2022, 163, 110544.	4.0	10
8	Ion Exchange Techniques: Materials and Analytical Applications (Part: I). Current Analytical Chemistry, 2022, 18, 254-254.	1.2	0
9	Platinum-coated silicotungstic acid-sulfonated polyvinyl alcohol-polyaniline based hybrid ionic polymer metal composite membrane for bending actuation applications. Scientific Reports, 2022, 12, 4467.	3.3	13
10	ZnS Quantum Dots Decorated on One-Dimensional Scaffold of MWCNT/PANI Conducting Nanocomposite as an Anode for Enzymatic Biofuel Cell. Polymers, 2022, 14, 1321.	4.5	9
11	Efficient Cr(VI) and phosphate removal from contaminated water using MnTiFeO nanoflakes: Statistical modeling and interpretation. Journal of Physics and Chemistry of Solids, 2022, 167, 110715.	4.0	2
12	Recent development of aqueous zinc-ion battery cathodes and future challenges: Review. International Journal of Energy Research, 2022, 46, 13152-13177.	4.5	17
13	Investigating the performance of functionalized and pristine graphene oxide impregnated Nexarâ, nanocomposite membranes for PEM fuel cell. Chemical Engineering Journal Advances, 2022, 11, 100346.	5.2	3
14	Adsorption of Congo Red dye on CuO nanoparticles synthesized by green method using <i>Nyctanthes arborâ€†ristis</i> leaf extract: Experimental and theoretical study. International Journal of Chemical Kinetics, 2022, 54, 513-522.	1.6	7
15	Development of a ternary conducting composite (PPy/Au/CNT@Fe ₃ O ₄) immobilized FRT/GOD bioanode for glucose/oxygen biofuel cell applications. International Journal of Hydrogen Energy, 2021, 46, 3259-3269.	7.1	27
16	A hybrid electro-responsive SWNT/PEDOT: PSS-based membrane towards soft actuator applications. Journal of Reinforced Plastics and Composites, 2021, 40, 87-102.	3.1	7
17	Recent development and applications of sustainable biofuel cellsâ€“Editorial. International Journal of Hydrogen Energy, 2021, 46, 3033-3034.	7.1	0
18	Optimization of N doping in TiO ₂ nanotubes for the enhanced solar light mediated photocatalytic H ₂ production and dye degradation. Environmental Pollution, 2021, 269, 116170.	7.5	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.	7.1	72
20	Smart Nanodevices for Point-of-Care Applications. Current Analytical Chemistry, 2021, 17, .	1.2	1
21	A Selective Ratiometric Receptor 2-((E)-(3-(prop-1-en-2-yl)phenylimino)methyl)-4-nitrophenol for the Detection of Cu ²⁺ Ions Supported By DFT Studies. Journal of Fluorescence, 2021, 31, 625-634.	2.5	4
22	Environmental Contamination, Toxicology, and Safety by Nanocatalysts. Current Analytical Chemistry, 2021, 17, 124-125.	1.2	0
23	Adsorption of Congo Red on Pb doped Fe ₃ O ₄ : experimental study and theoretical modeling via double-layer statistical physics models. Water Science and Technology, 2021, 83, 1714-1727.	2.5	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.	0.3	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.	9.1	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.	1.2	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.	3.9	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.	1.2	0
29	Removal of Targeted Pharmaceuticals and Personal Care Products from Wastewater Treatment Plants using QSAR Model. Current Analytical Chemistry, 2021, 17, 1003-1015.	1.2	1
30	Toxic Pollutants in the Environment: Challenges in Analytical Chemistry - Volume III: Wastewater Treatment using Biomass. Current Analytical Chemistry, 2021, 17, 902-903.	1.2	0
31	Lignin to Value-added Chemical Synthesis. Current Analytical Chemistry, 2021, 17, 936-946.	1.2	1
32	Monodispersed core/shell nanospheres of ZnS/NiO with enhanced H ₂ generation and quantum efficiency at versatile photocatalytic conditions. Journal of Hazardous Materials, 2021, 413, 125359.	12.4	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.	4.9	7
34	A review: Evolution of enzymatic biofuel cells. Journal of Environmental Management, 2021, 298, 113483.	7.8	31
35	Spinel oxide incorporated photoanode for better power conversion efficiency in dye-sensitized solar cells. Optik, 2021, 247, 167976.	2.9	8
36	Hydrothermally synthesized defective NiMoSe ₂ 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.	7.1	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.	1.2	24
38	Metal-organic frameworks (MOFs)-based efficient heterogeneous photocatalysts: Synthesis, properties and its applications in photocatalytic hydrogen generation, CO ₂ reduction and photodegradation of organic dyes. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 7656-7679.	7.1	214
39	Nano-engineered Adsorbent for the Removal of Dyes from Water: A Review. <i>Current Analytical Chemistry</i> , 2020, 16, 14-40.	1.2	148
40	Enhanced production of γ -valerolactone from levulinic acid hydrogenation-cyclization over ZrxCe _{1-x} O ₂ based Cu catalysts. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 26445-26457.	7.1	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.	3.9	28
42	Polyphenylsulfone/multiwalled carbon nanotubes mixed ultrafiltration membranes: Fabrication, characterization and removal of heavy metals Pb ²⁺ , Hg ²⁺ , and Cd ²⁺ from aqueous solutions. <i>Arabian Journal of Chemistry</i> , 2020, 13, 4661-4672.	4.9	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.	3.3	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.	2.6	17
45	Development of L-glutamic acid biosensor with ternary ZnO/NiO/Al ₂ O ₃ nanoparticles. <i>Journal of Luminescence</i> , 2020, 227, 117528.	3.1	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.	3.3	9
47	Simultaneous detection of ethambutol and pyrazinamide with IL@CoFe ₂ O ₄ NPs@MWCNTs fabricated glassy carbon electrode. <i>Scientific Reports</i> , 2020, 10, 13563.	3.3	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.	3.7	45
49	Tuning the surface properties of Fe ₃ O ₄ by zwitterionic sulfobetaine: application to antifouling and dye removal membrane. <i>International Journal of Environmental Science and Technology</i> , 2020, 17, 4047-4060.	3.5	12
50	Kinetics of Cross-Linking Reaction of Epoxy Resin with Hydroxyapatite-Functionalized Layered Double Hydroxides. <i>Polymers</i> , 2020, 12, 1157.	4.5	19
51	Pervaporation dehydration of bio-fuel (n-butanol) by dry thermal treatment membrane. <i>Materials Research Express</i> , 2020, 7, 065001.	1.6	5
52	Multifunctional Zn _{0.3} Al _{0.4} O _{4.5} crystals: An efficient photocatalyst for formaldehyde degradation and EBT adsorption. <i>Arabian Journal of Chemistry</i> , 2020, 13, 8262-8270.	4.9	30
53	Optimization of rGO-PEI/Naph-SH/AgNWs/Frt/GOx nanocomposite anode for biofuel cell applications. <i>Scientific Reports</i> , 2020, 10, 8919.	3.3	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.	3.3	60

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55	Hydrogen Energy Production from Advanced Reforming Processes and Emerging Approaches. Chemical Engineering and Technology, 2020, 43, 600-600.	1.5	7
56	Applications of chitosan (CHI)-reduced graphene oxide (rGO)-polyaniline (PANI) conducting composite electrode for energy generation in glucose biofuel cell. Scientific Reports, 2020, 10, 10428.	3.3	61
57	Thermal energy storage and thermal conductivity properties of Octadecanol-MWCNT composite PCMs as promising organic heat storage materials. Scientific Reports, 2020, 10, 9168.	3.3	29
58	Carbon nanotube-based adsorbents for the removal of dyes from waters: A review. Environmental Chemistry Letters, 2020, 18, 605-629.	16.2	152
59	Improved separation of dyes and proteins using membranes made of polyphenylsulfone/cellulose acetate or acetate phthalate. Environmental Chemistry Letters, 2020, 18, 881-887.	16.2	16
60	Assessment of sulfonated homo and co-polyimides incorporated polysulfone ultrafiltration blend membranes for effective removal of heavy metals and proteins. Scientific Reports, 2020, 10, 7049.	3.3	19
61	Effect of cellulose nano fibers and nano clays on the mechanical, morphological, thermal and dynamic mechanical performance of kenaf/epoxy composites. Carbohydrate Polymers, 2020, 239, 116248.	10.2	65
62	Application of Electrically Conducting Nanocomposite Material Polythiophene@NiO/Frt/GOx as Anode for Enzymatic Biofuel Cells. Materials, 2020, 13, 1823.	2.9	26
63	Carbon-based nanomaterials for remediation of organic and inorganic pollutants from wastewater. A review. Environmental Chemistry Letters, 2020, 18, 1169-1191.	16.2	145
64	Recent progress and remaining challenges in post-combustion CO ₂ capture using metal-organic frameworks (MOFs). Progress in Energy and Combustion Science, 2020, 80, 100849.	31.2	235
65	Electrochemical Biosensor for the Detection of Amygdalin in Apple Seeds with a Hybrid of f-MWCNTs/CoFe ₂ O ₄ Nanocomposite. Current Analytical Chemistry, 2020, 16, 660-668.	1.2	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. Biointerface Research in Applied Chemistry, 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. Current Analytical Chemistry, 2020, 16, 138-148.	1.2	1
68	Preparation and Properties of Novel Sulfonated Pentablock Copolymer (sPBC) Membrane for PEM Fuel Cell. Smart Innovation, Systems and Technologies, 2020, , 613-621.	0.6	1
69	Nanotechnology-based water quality management for wastewater treatment. Environmental Chemistry Letters, 2019, 17, 65-121.	16.2	105
70	Ternary graphene@polyaniline-TiO ₂ composite for glucose biofuel cell anode application. International Journal of Hydrogen Energy, 2019, 44, 22173-22180.	7.1	42
71	Polyvinylidene fluoride/sulfonated graphene oxide blend membrane coated with polypyrrole/platinum electrode for ionic polymer metal composite actuator applications. Scientific Reports, 2019, 9, 9877.	3.3	22
72	Novel on-site residual screening of poly-diallyldimethylammonium chloride in treated potable water using gold nanoparticle based lovibond color filters. Journal of the Taiwan Institute of Chemical Engineers, 2019, 101, 159-166.	5.3	7

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73	Layer-by-layer deposition of TiO ₂ –ZrO ₂ electrode sensitized with Pandan leaves: natural dye-sensitized solar cell. <i>Materials for Renewable and Sustainable Energy</i> , 2019, 8, 1.	3.6	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.	7.1	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.	5.3	2
76	Nanohydroxyapatite Reinforced Chitosan Composite Hydrogel with Tunable Mechanical and Biological Properties for Cartilage Regeneration. <i>Scientific Reports</i> , 2019, 9, 15957.	3.3	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.	7.3	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.	3.3	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 ₂) 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.	4.1	54
81	Nanostructured titanium oxide hybrids-based electrochemical biosensors for healthcare applications. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 178, 385-394.	5.0	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.	1.8	10
83	Kraton based polymeric nanocomposite bioanode for the application in a biofuel cell. <i>Enzyme and Microbial Technology</i> , 2019, 127, 43-49.	3.2	26
84	Preparation and Characterization of Gum Acacia/Ce(IV)MoPO ₄ Nanocomposite Ion Exchanger for Photocatalytic Degradation of Methyl Violet Dye. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2019, 29, 1171-1183.	3.7	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.	7.5	89
86	One-step wet-chemical synthesis of ternary ZnO/CuO/Co ₃ O ₄ nanoparticles for sensitive and selective melamine sensor development. <i>New Journal of Chemistry</i> , 2019, 43, 4849-4858.	2.8	149
87	Complexing agents for metal removal using ultrafiltration membranes: a review. <i>Environmental Chemistry Letters</i> , 2019, 17, 1195-1208.	16.2	45
88	Preparation and characterization of a bioanode (GC/MnO ₂ /PSS/Gph/Frt/GOx) for biofuel cell application. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 7308-7319.	7.1	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.	3.3	4
90	Improved desalination by polyamide membranes containing hydrophilic glutamine and glycine. <i>Environmental Chemistry Letters</i> , 2019, 17, 1053-1059.	16.2	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- α -perfluorinated ionic polymer metal composite-based flexible link manipulator for robotics assembly. Polymer Composites, 2019, 40, 2582-2593.	4.6	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.	7.5	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.	4.8	939
96	Antibiofouling hollow-fiber membranes for dye rejection by embedding chitosan and silver-loaded chitosan nanoparticles. Environmental Chemistry Letters, 2019, 17, 581-587.	16.2	40
97	Fouling-resistant membranes for water reuse. Environmental Chemistry Letters, 2018, 16, 715-763.	16.2	80
98	Nanostructured semiconducting materials for efficient hydrogen generation. Environmental Chemistry Letters, 2018, 16, 765-796.	16.2	97
99	Biocompatible mediated bioanode prepared by using poly(3,4-ethylene dioxythiophene) poly(styrene) Tj ETQq1 1 0.784314 rgBT /Over applications. Materials Science for Energy Technologies, 2018, 1, 63-69.	1.8	16
100	Selectivity and sensitivity enhanced green energy waste based indirect- $\frac{1}{4}$ -solid phase extraction of carbaryl supported by DFT and molecular docking studies. Journal of Molecular Liquids, 2018, 257, 112-120.	4.9	11
101	Photocatalytic Reforming of Biomass Derived Crude Glycerol in Water: A Sustainable Approach for Improved Hydrogen Generation Using Ni(OH) ₂ Decorated TiO ₂ Nanotubes under Solar Light Irradiation. ACS Sustainable Chemistry and Engineering, 2018, 6, 3754-3764.	6.7	67
102	Iron-based flow batteries to store renewable energies. Environmental Chemistry Letters, 2018, 16, 683-694.	16.2	61
103	Membrane technology for water purification. Environmental Chemistry Letters, 2018, 16, 343-365.	16.2	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.	7.5	9
105	CuO Quantum Dots Decorated TiO ₂ Nanocomposite Photocatalyst for Stable Hydrogen Generation. Industrial & Engineering Chemistry Research, 2018, 57, 568-577.	3.7	69
106	Electrical switching behaviour of a metalloporphyrin in Langmuir-Blodgett film. Organic Electronics, 2018, 55, 50-62.	2.6	21
107	Fabrication and characterization of electrochemically prepared bioanode (polyaniline/ferritin/glucose oxidase) for biofuel cell application. Chemical Physics Letters, 2018, 692, 277-284.	2.6	27
108	Factors influencing corrosion of metal pipes in soils. Environmental Chemistry Letters, 2018, 16, 861-879.	16.2	92

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109	Removal of metal ions and humic acids through polyetherimide membrane with grafted bentonite clay. Scientific Reports, 2018, 8, 4665.	3.3	93
110	Synthesis of magnetic carbon nanocomposites by hydrothermal carbonization and pyrolysis. Environmental Chemistry Letters, 2018, 16, 821-844.	16.2	72
111	Preparation and characterization of PANI@C/CWO nanocomposite for enhanced 2-nitrophenol sensing. Applied Surface Science, 2018, 433, 696-704.	6.1	59
112	Synthesis and characterization of a novel electron conducting biocomposite as biofuel cell anode. International Journal of Biological Macromolecules, 2018, 106, 755-762.	7.5	40
113	Smartphone based bioanalytical and diagnosis applications: A review. Biosensors and Bioelectronics, 2018, 102, 136-149.	10.1	227
114	Fe ₃ O ₄ @ β -cyclodextrin@Chitosan Bionanocomposite for Arsenic Removal from Aqueous Solution. Journal of Inorganic and Organometallic Polymers and Materials, 2018, 28, 467-480.	3.7	25
115	Ag@Mn ₂ O ₃ : an effective catalyst for photo-degradation of rhodamine B dye. Environmental Chemistry Letters, 2018, 16, 287-294.	16.2	58
116	Efficient Vapor-Phase Selective Hydrogenolysis of Bio-Ethanol to Ethanolamine Using Cu Supported on Hydrotalcite Catalysts. Global Challenges, 2018, 2, 1800028.	3.6	14
117	Oxygen enriched network-type carbon spheres for multipurpose water purification applications. Environmental Technology and Innovation, 2018, 12, 160-171.	6.1	13
118	Recent trends in the synthesis of graphene and graphene oxide based nanomaterials for removal of heavy metals – A review. Journal of Industrial and Engineering Chemistry, 2018, 66, 29-44.	5.8	299
119	Graphene and its derivatives: synthesis, modifications, and applications in wastewater treatment. Environmental Chemistry Letters, 2018, 16, 1301-1323.	16.2	84
120	Exploring the Reusability of Synthetically Contaminated Wastewater Containing Crystal Violet Dye using Tectona grandis Sawdust as a Very Low-Cost Adsorbent. Scientific Reports, 2018, 8, 8314.	3.3	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. Scientific Reports, 2018, 8, 9909.	3.3	25
123	Bilayered ZnO/Nb ₂ O ₅ photoanode for dye sensitized solar cell. International Journal of Modern Physics B, 2018, 32, 1840046.	2.0	19
124	Development of sulfonated poly(vinyl alcohol)/aluminium oxide/graphene based ionic polymer-metal composite (IPMC) actuator. Sensors and Actuators A: Physical, 2018, 280, 114-124.	4.1	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.	3.6	15
126	Chemical sensing platform for the Zn ²⁺ ions based on poly(o-anisidine-co-methyl anthranilate) copolymer composites and their environmental remediation in real samples. Environmental Science and Pollution Research, 2018, 25, 27899-27911.	5.3	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.	12.7	96
128	Optimization of MnO ₂ -Graphene/polythioaniline (MnO ₂ -G/PTA) hybrid nanocomposite for the application of biofuel cell bioanode. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 15144-15154.	7.1	41
129	Cerium dioxide and composites for the removal of toxic metal ions. <i>Environmental Chemistry Letters</i> , 2018, 16, 1233-1246.	16.2	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.	5.3	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.	5.3	23
132	Light induced DNA-functionalized TiO ₂ nanocrystalline interface: Theoretical and experimental insights towards DNA damage detection. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 188, 159-176.	3.8	18
133	Carbonaceous quantum dot composites for the application of electrochemical supercapacitors. <i>Materials Research Foundations</i> , 2018, , 123-154.	0.3	1
134	Green sonochemical synthesis of conducting polymer/RuO ₂ composite granules as an efficient electrode for supercapacitor applications. <i>Materials Research Foundations</i> , 2018, , 44-58.	0.3	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.	0.3	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.	4.6	3
137	Synthesis of single-walled carbon nanotubes cerium(IV) phosphate composite cation exchanger: Ion exchange studies and its application as ion-selective membrane electrode for determination of Cd(II) ions. <i>Polymer Composites</i> , 2017, 38, 1005-1013.	4.6	14
138	Zinc selective nano-hybrid cation exchanger carboxymethyl cellulose Zr(IV) tungstate: Sol-gel synthesis, physicochemical characterization, and analytical applications. <i>Polymer Composites</i> , 2017, 38, 2057-2066.	4.6	5
139	Electrospun polyaniline/polyvinyl alcohol/multiwalled carbon nanotubes nanofibers as promising bioanode material for biofuel cells. <i>Journal of Electroanalytical Chemistry</i> , 2017, 789, 181-187.	3.8	16
140	Nanostructured mixed transition metal oxides for high performance asymmetric supercapacitors: Facile synthetic strategy. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 12384-12395.	7.1	110
141	±-MoO ₃ -C composite as counter electrode for quantum dot sensitized solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2017, 161, 96-101.	6.2	24
142	Carbon nanotube- and graphene-based advanced membrane materials for desalination. <i>Environmental Chemistry Letters</i> , 2017, 15, 643-671.	16.2	54
143	Fabrication and optimization of Cu(II) ion selective membrane electrode. <i>Journal of Water Chemistry and Technology</i> , 2017, 39, 220-227.	0.6	6
144	Electrocatalytic Performance of Chemically Synthesized PIn-Au-SGO Composite toward Mediated Biofuel Cell Anode. <i>Scientific Reports</i> , 2017, 7, 13353.	3.3	39

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145	Soft actuator based on Kraton with GO/Ag/Pani composite electrodes for robotic applications. Materials Research Express, 2017, 4, 115701.	1.6	19
146	IFT and friccohesity study of formulation, wetting, dewetting of liquid systems using oscosurvismeter. Journal of Molecular Liquids, 2017, 244, 7-18.	4.9	12
147	Efficient Electron Transfer across a ZnO -- MoS ₂ -- Reduced Graphene Oxide Heterojunction for Enhanced Sunlight-Driven Photocatalytic Hydrogen Evolution. ChemSusChem, 2017, 10, 3588-3603.	6.8	162
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