

Mahmoud A Hussein

List of Publications by Citations

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156 papers	2,028 citations	25 h-index	33 g-index
168 ext. papers	2,525 ext. citations	3.5 avg, IF	5.7 L-index

#	Paper	IF	Citations
156	Radiation shielding properties of transparent erbium zinc tellurite glass system determined at medical diagnostic energies. <i>Journal of Alloys and Compounds</i> , 2018 , 741, 293-299	5.7	82
155	Modified polyether-sulfone membrane: a mini review. <i>Designed Monomers and Polymers</i> , 2017 , 20, 532-546	5.6	75
154	The preparation of carbon nanofillers and their role on the performance of variable polymer nanocomposites. <i>Designed Monomers and Polymers</i> , 2019 , 22, 8-53	3.1	62
153	Polyaniline/graphene/carbon nanotubes nanocomposites for sensing environmentally hazardous 4-aminophenol. <i>Nano Structures Nano Objects</i> , 2018 , 15, 63-74	5.6	53
152	Characterization and Elemental Composition of Atmospheric Aerosol Loads during Springtime Dust Storm in Western Saudi Arabia. <i>Aerosol and Air Quality Research</i> , 2015 , 15, 440-453	4.6	46
151	Sensitive methanol sensor based on PMMA-G-CNTs nanocomposites deposited onto glassy carbon electrodes. <i>Talanta</i> , 2016 , 150, 71-80	6.2	45
150	Review on: liquid crystalline polyazomethines polymers. Basics, syntheses and characterization. <i>Designed Monomers and Polymers</i> , 2012 , 15, 431-463	3.1	38
149	Development of Cd ²⁺ sensor based on BZNA/Nafion/Glassy carbon electrode by electrochemical approach. <i>Chemical Engineering Journal</i> , 2018 , 352, 225-231	14.7	38
148	Synthesis, linear and nonlinear optical properties of a new dimethine cyanine dye derived from phenothiazine. <i>RSC Advances</i> , 2016 , 6, 91546-91556	3.7	37
147	Synthesis and characterization of nano-sized CoFe ₂ O ₄ via facile methods: A comparative study. <i>Materials Research Bulletin</i> , 2017 , 89, 68-78	5.1	36
146	New polymer syntheses, Part 43: Novel polyamides-based diarylidencyclopentanone: Synthesis, characterization, and corrosion inhibition behavior. <i>Journal of Applied Polymer Science</i> , 2009 , 112, 513-523	2.9	36
145	Synthesis, characterization and corrosion inhibitive properties of new thiazole based polyamides containing diarylidencyclohexanone moiety. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2015 , 33, 1-13	3.5	35
144	Ternary nanocomposite based poly(pyrrole-co-O-toluidine), cobalt ferrite and decorated chitosan as a selective Co ²⁺ cationic sensor. <i>Composites Part B: Engineering</i> , 2019 , 175, 107175	10	33
143	Structure-property relationship of naphthalene based donor-acceptor organic dyes for dye-sensitized solar cells: remarkable improvement of open-circuit photovoltage. <i>Journal of Materials Chemistry</i> , 2012 , 22, 22550		32
142	The Role of Mixed Graphene/Carbon Nanotubes on the Coating Performance of G/CNTs/Epoxy Resin Nanocomposites.. <i>International Journal of Electrochemical Science</i> , 2016 , 7644-7659	2.2	30
141	PSynthesis, characterization and electromagnetic properties of Zn-substituted CoFe ₂ O ₄ via sucrose assisted combustion route. <i>Journal of Magnetism and Magnetic Materials</i> , 2017 , 426, 670-679	2.8	28
140	Composite MaterialBased Conducting Polymers for Electrochemical Sensor Applications: a Mini Review. <i>BioNanoScience</i> , 2020 , 10, 351-364	3.4	28

139	Mixed oxides CuO-NiO fabricated for selective detection of 2-Aminophenol by electrochemical approach. <i>Journal of Materials Research and Technology</i> , 2020 , 9, 1457-1467	5.5	27
138	Effect of Ni _{1-x} Fe _{2x} O ₄ nanoparticles on the thermal and coating properties of epoxy resin composites. <i>Composites Part B: Engineering</i> , 2013 , 51, 11-18	10	26
137	New polymer syntheses, part 45: Corrosion inhibition behavior of novel polyurea derivatives based on diarylidencycloalkanone moieties in the polymers backbone. <i>Journal of Polymer Research</i> , 2010 , 17, 607-620	2.7	26
136	Liquid crystalline polymers IX Main chain thermotropic poly (azomethine ether)s containing thiazole moiety linked with polymethylene spacers. <i>EXPRESS Polymer Letters</i> , 2007 , 1, 197-207	3.4	26
135	Nanocomposite based functionalized Polyethersulfone and conjugated ternary ZnYCdO nanomaterials for the fabrication of selective Cd ²⁺ sensor probe. <i>Journal of Polymer Research</i> , 2018 , 25, 1	2.7	26
134	Fabrication of EPYR/GNP/MWCNT carbon-based composite materials for promoted epoxy coating performance.. <i>RSC Advances</i> , 2018 , 8, 23555-23566	3.7	26
133	The impact of graphene nano-plates on the behavior of novel conducting polyazomethine nanocomposites. <i>RSC Advances</i> , 2017 , 7, 9998-10008	3.7	25
132	Organometallic Ferrocene- and Phosphorus-Containing Polymers: Synthesis and Characterization. <i>Designed Monomers and Polymers</i> , 2012 , 15, 207-251	3.1	25
131	Synthesis, Characterization and Electrical Conductivity of Polyaniline-Mn _{0.8} Zn _{0.2} Fe ₂ O ₄ Nano-composites. <i>International Journal of Electrochemical Science</i> , 2016 , 4526-4538	2.2	24
130	Hybride ZnCdCrO embedded aminated polyethersulfone nanocomposites for the development of Hg ²⁺ ionic sensor. <i>Materials Research Express</i> , 2018 , 5, 065019	1.7	22
129	Synthesis, characterization and antimicrobial properties of new poly(ether-ketone)s and copoly(ether-ketone)s containing diarylidencycloalkanone moieties in the main chain. <i>Journal of Applied Polymer Science</i> , 2008 , 108, 3138-3147	2.9	22
128	Utilizing the crop waste of date palm fruit to biosynthesize polyhydroxyalkanoate bioplastics with favorable properties. <i>Science of the Total Environment</i> , 2020 , 737, 139716	10.2	21
127	Eco-Friendly Polythiophene(keto-amine)s Based on Cyclopentanone Moiety for Environmental Remediation. <i>Journal of Polymers and the Environment</i> , 2018 , 26, 1194-1205	4.5	21
126	Highly Sensitive and Selective Electrochemical Determination of Sunset Yellow in Food Products Based on AuNPs/PANI-co-PoAN-co-PoT/GO/Au Electrode. <i>ChemistrySelect</i> , 2018 , 3, 13167-13177	1.8	21
125	Preparation, characterization, and electrical properties of ZSM-5/PEG composite particles. <i>Polymer Composites</i> , 2014 , 35, 1160-1168	3	20
124	Access to Polycyclic Derivatives by Triflate-Catalyzed Intramolecular Hydroarylation. <i>European Journal of Organic Chemistry</i> , 2014 , 2014, 7458-7468	3.2	20
123	Part 14. Synthesis and properties of new polyketoamine polymers containing cycloalkanone moieties in the main chain. <i>Polymer International</i> , 2002 , 51, 125-133	3.3	20
122	Nanosheet composed of gold nanoparticle/graphene/epoxy resin based on ultrasonic fabrication for flexible dopamine biosensor using surface-enhanced Raman spectroscopy. <i>Nano Convergence</i> , 2020 , 7, 15	9.2	19

121	The impact of cross-linking degree on the thermal and texture behavior of poly(methyl methacrylate). <i>Journal of Thermal Analysis and Calorimetry</i> , 2016 , 124, 709-717	4.1	18
120	Development and characterization of the composites based on mesoporous MCM-41 and polyethylene glycol and their properties. <i>Composites Part B: Engineering</i> , 2014 , 58, 185-192	10	18
119	Efficient water disinfection using hybrid polyaniline/graphene/carbon nanotube nanocomposites. <i>Environmental Technology (United Kingdom)</i> , 2019 , 40, 2813-2824	2.6	18
118	Photocatalytic Degradation of Atrazine under Visible Light Using Novel Ag@MgTaO Nanocomposites. <i>Scientific Reports</i> , 2019 , 9, 7470	4.9	17
117	Designed network of ternary core-shell PPCOT/NiFe ₂ O ₄ /C-SWCNTs nanocomposites. A Selective Fe ³⁺ ionic sensor. <i>Journal of Alloys and Compounds</i> , 2020 , 834, 155020	5.7	17
116	A Preliminary Study on Ultraviolet Radiation-Cured Unsaturated Polyester Resin Based on Palm Oil. <i>Polymer-Plastics Technology and Engineering</i> , 2011 , 50, 573-580		17
115	Novel Pd/ZnWO ₄ nanocomposite materials for photocatalytic degradation of atrazine. <i>Applied Nanoscience (Switzerland)</i> , 2018 , 8, 527-536	3.3	16
114	Cu-Cu ₂ O@graphene nanoplatelets nanocomposites: Facile synthesis, characterization, and electrical conductivity properties. <i>Materials Chemistry and Physics</i> , 2018 , 213, 168-176	4.4	16
113	Selective Fabrication of an Electrochemical Sensor for Pb ²⁺ Based on Poly(pyrrole-co-o-toluidine)/CoFe ₂ O ₄ Nanocomposites. <i>ChemistrySelect</i> , 2019 , 4, 10609-10619	1.8	16
112	Fabrication of an L-glutathione sensor based on PEG-conjugated functionalized CNT nanocomposites: a real sample analysis. <i>New Journal of Chemistry</i> , 2017 , 41, 10761-10772	3.6	16
111	New Polymer Syntheses Part 53. Novel Polyamides of Diarylidenecycloalkanone Containing Azo Groups in the Polymer Backbone: Synthesis and Characterization. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2010 , 59, 553-569	3	16
110	New polymer syntheses, Part 44: Synthesis, characterization, and corrosion inhibition behavior of new polyurea derivatives based on diaryl ether in the polymers backbone. <i>Journal of Applied Polymer Science</i> , 2009 , 112, 620-628	2.9	16
109	Physical, optical properties and radiation shielding studies of xLa ₂ O ₃ -(100-x)B ₂ O ₃ glass system. <i>Ceramics International</i> , 2020 , 46, 5380-5386	5.1	16
108	Poly(pyrrole-toluidine) wrapped CoFeO/R(GO-OXSWCNTs) ternary composite material for Ga sensing ability.. <i>RSC Advances</i> , 2019 , 9, 33052-33070	3.7	16
107	Poly(aniline-co-o-anisidine)/graphene oxide Au nanocomposites for dopamine electrochemical sensing application. <i>Journal of Applied Electrochemistry</i> , 2019 , 49, 179-194	2.6	16
106	Silica-Based Bioactive Glasses and Their Applications in Hard Tissue Regeneration: A Review. <i>Pharmaceuticals</i> , 2021 , 14,	5.2	16
105	New heteroaromatic polyazomethines containing naphthyridine moieties: Synthesis, characterization, and biological screening. <i>Journal of Applied Polymer Science</i> , 2012 , 126, 2-12	2.9	15
104	Sulfone-modified chitosan as selective adsorbent for the extraction of toxic Hg(II) metal ions. <i>Adsorption Science and Technology</i> , 2019 , 37, 139-159	3.6	15

103	New polymer syntheses: XV. Synthesis and characterization of new polyketoamine polymers containing ether or thioether linkages in the main chain. <i>Polymer International</i> , 2005 , 54, 1512-1523	3.3	14
102	Nanocomposite-Based Aminated Polyethersulfone and Carboxylate Activated Carbon for Environmental Application. A Real Sample Analysis. <i>Journal of Carbon Research</i> , 2018 , 4, 30	3.3	14
101	Polyaniline/Co _{0.6} Zn _{0.4} Fe ₂ O ₄ core-shell nano-composites. Synthesis, characterization and properties. <i>Journal of Alloys and Compounds</i> , 2018 , 747, 83-90	5.7	13
100	Photophysical parameters and laser activity of 3(4-dimethylamino-phenyl)-1-(2,5-dimethyl-thiophen-3-yl)-propenone (DDTP): A new potential laser dye. <i>Optics and Laser Technology</i> , 2013 , 45, 605-612	4.2	13
99	New Polyamides and Polyoxazoles Based on Diphenyl Ether Segments in the Polymers Backbone. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2012 , 61, 154-175	3	13
98	Thermally stable hybrid polyarylidene(azomethine-ether)s polymers (PAAP): an ultrasensitive arsenic(III) sensor approach. <i>Designed Monomers and Polymers</i> , 2018 , 21, 82-98	3.1	13
97	Surface selectivity competition of newly synthesized polyarylidene(keto amine) polymers toward different metal ions. <i>Journal of Applied Polymer Science</i> , 2014 , 131, n/a-n/a	2.9	12
96	Liquid crystalline polymers XI. Main chain thermotropic poly (arylidene-ether)s containing 4-methyl-cyclohexanone moiety linked with polymethylene spacers. <i>Liquid Crystals</i> , 2013 , 40, 711-725	2.3	12
95	Liquid crystalline polymers XII. Main chain thermotropic poly(arylidene-ether)s containing 4-tertiary-butyl-cyclohexanone moiety linked with polymethylene spacers. <i>Liquid Crystals</i> , 2013 , 40, 1570-1580 ¹²	2.3	12
94	Nanocomposite Containing Cross-linked Poly(Methyl-Methacrylate)/Multiwall Carbon Nanotube as a Selective Y ³⁺ Sensor Probe. <i>Polymer Composites</i> , 2019 , 40, E1673-E1684	3	12
93	Nanocomposites containing polyvinyl alcohol and reinforced carbon-based nanofiller: A super effective biologically active material. <i>Nanobiomedicine</i> , 2018 , 5, 1849543518794818	4.8	12
92	The use of rocks in lieu of bricks and concrete as radiation shielding barriers at low gamma and nuclear medicine energies. <i>Construction and Building Materials</i> , 2020 , 251, 118908	6.7	11
91	Molecular packings and specific-bonding patterns in sulfonamides. <i>New Journal of Chemistry</i> , 2014 , 38, 4099-4106	3.6	11
90	Photo-fabricated unsaturated polyester resin composites reinforced by kenaf fibers, synthesis and characterization. <i>Journal of Applied Polymer Science</i> , 2012 , 123, 968-976	2.9	11
89	Enhanced coating properties of Ni-La-ferrites/epoxy resin nanocomposites. <i>Polymer Composites</i> , 2015 , 36, 1875-1883	3	11
88	Spectral characteristics and fluorescence quenching of N,N'-bis(4-pyridyl)-3,4:9,10-perylenebis(dicarboximide) (BPPD). <i>Journal of Luminescence</i> , 2012 , 132, 2747-2752 ¹¹	3.8	11
87	New Polymer Syntheses Part 56: Novel Friedel-Crafts Polyketones Containing Naphthalene Moiety: Synthesis, Characterization and Antimicrobial Activity. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2013 , 50, 99-109	2.2	11
86	Nanocomposites-based nitrated polyethersulfone and doped ZnYNiO for selective As ³⁺ -sensor application. <i>Advances in Polymer Technology</i> , 2018 , 37, 3689-3700	1.9	11

85	Rapid and sensitive electrochemical sensor of cross-linked polyaniline/oxidized carbon nanomaterials core-shell nanocomposites for determination of 2,4-dichlorophenol. <i>PLoS ONE</i> , 2020 , 15, e0234815	3.7	10
84	Influence of Single-Walled Carbon Nanotubes on the Performance of Poly(Azomethine-Ether) Composite Materials. <i>Polymer-Plastics Technology and Engineering</i> , 2018 , 57, 1150-1163		10
83	Preparation of new and novel wave like poly(2-anisidine) zirconium tungstate nanocomposite: Thermal, electrical and ion-selective studies. <i>Chinese Journal of Chemical Engineering</i> , 2019 , 27, 459-466	3.2	10
82	Electrochemical sensor-based gold nanoparticle/poly(aniline-co-o-toluidine)/graphene oxide nanocomposite modified electrode for hexavalent chromium detection: a real test sample. <i>Polymer-Plastics Technology and Materials</i> , 2019 , 58, 1423-1436	1.5	10
81	Selective Hg ²⁺ sensor performance based various carbon-nanofillers into CuO-PMMA nanocomposites. <i>Polymers for Advanced Technologies</i> , 2020 , 31, 1946-1962	3.2	9
80	Effect of Medium Acidity and Photostability of 3-(4-Dimethylamino-phenyl)-1-(2,5-dimethyl-thiophen-3-yl)-propenone (DDTP): A New Green Emitting Laser Dye. <i>Chinese Journal of Chemistry</i> , 2011 , 29, 2557-2561	4.9	9
79	Nanoporous colorant sensors and captors for simultaneous recognition and recovery of gold from E-wastes. <i>Waste Management</i> , 2020 , 116, 166-178	8.6	9
78	Electrodeposition and Corrosion Protection Performance of Polypyrrole Composites on Aluminum. <i>International Journal of Electrochemical Science</i> , 2016 , 3938-3951	2.2	9
77	Utilizing Biomass-Based Graphene Oxide-Polyaniline-Ag Electrodes in Microbial Fuel Cells to Boost Energy Generation and Heavy Metal Removal.. <i>Polymers</i> , 2022 , 14,	4.5	9
76	Ultrasonic-assisted fabrication of polyvinyl chloride/mixed graphene-carbon nanotube nanocomposites as a selective Ag ⁺ ionic sensor. <i>Journal of Composite Materials</i> , 2019 , 53, 2271-2284	2.7	8
75	Structural, Thermal, Magnetic and Electrical Properties of Polyaniline/CoFe ₂ O ₄ Nano-composites with Special Reference to the Dye Removal Capability. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2019 , 29, 2197-2213	3.2	8
74	Fabrication of conductive cross-linked polyaniline/G-MWCNTS core-shell nanocomposite: A selective sensor for trace determination of chlorophenol in water samples. <i>Polymers for Advanced Technologies</i> , 2020 , 31, 2615-2631	3.2	8
73	Polyarylidene containing saturated silicon spacers in the polymers main chain. <i>Designed Monomers and Polymers</i> , 2013 , 16, 377-388	3.1	8
72	Green Synthesis of TiO ₂ Nanoparticles Using Acorus calamus Leaf Extract and Evaluating its Photocatalytic and In Vitro Antimicrobial Activity. <i>Catalysts</i> , 2022 , 12, 181	4	8
71	Potential anti-cancer performance of chitosan-based Eketosulfone derivatives. <i>Cogent Chemistry</i> , 2018 , 4, 1559435	2.5	8
70	Cross-linked poly(methyl methacrylate)/multiwall carbon nanotube nanocomposites for environmental treatment. <i>Advances in Polymer Technology</i> , 2018 , 37, 3240-3251	1.9	8
69	Novel copolyhydrazides and copolyoxadiazoles based on 1,4-phenyl linkage and 1,3,4-thiadiazole moiety in the polymer Main chain to induce glass transition and to improve the thermal stability, solubility, and antimicrobial activity. <i>Journal of Polymer Research</i> , 2019 , 26, 1	2.7	7
68	Novel biologically active polyurea derivatives and its TiO-doped nanocomposites. <i>Designed Monomers and Polymers</i> , 2020 , 23, 59-74	3.1	7

67	Modification of alginic acid for the removal of dyes from aqueous solutions by solid-phase extraction. <i>International Journal of Environmental Analytical Chemistry</i> , 2020 , 1-21	1.8	7
66	Synthesis and Cytotoxic Activity of New Thiazolopyrimidine Sugar Hydrazones and Their Derived Acyclic Nucleoside Analogues. <i>Molecules</i> , 2020 , 25,	4.8	7
65	Experimental and theoretical study of donor-acceptor compounds based on malononitrile. <i>Chemistry Central Journal</i> , 2018 , 12, 26		7
64	Structural evolution of non-isothermally formed dysprosium sesquioxide nanoparticles and their optical and electrical conductivity properties. <i>Ceramics International</i> , 2017 , 43, 13166-13174	5.1	7
63	Enhanced antifouling and anticoagulant properties of grafted biomolecule polyethersulfone membranes. <i>Polymers for Advanced Technologies</i> , 2019 , 30, 1493-1505	3.2	6
62	Spectroscopic and computational studies of 1,4-bis[4-(6-tertbutyl-2-benzoxazolyl)vinyl]benzene(BTBVB) laser dye. <i>Journal of Luminescence</i> , 2014 , 148, 317-324	3.8	6
61	Fluorescence quenching N,N-bis(2,6-dimethylphenyl)-3,4:9,10-perylenetetracarboxylic diimide (BDPD) laser dye by colloidal silver nanoparticles. <i>Journal of Fluorescence</i> , 2015 , 25, 379-85	2.4	6
60	New Polymer Syntheses Part 57: Thermally Stable New Ferrocene-Polyazomethines, Synthetic Methodology, and Characterization. <i>Journal of Chemistry</i> , 2013 , 2013, 1-9	2.3	6
59	Fabrication of hybrid PVA-PVC/SnZnOx/SWCNTs nanocomposites as Sn ²⁺ ionic probe for environmental safety. <i>Polymer-Plastics Technology and Materials</i> , 2020 , 59, 642-657	1.5	6
58	Fabrication of Reproducible and Selective Ammonia Vapor Sensor-Pellet of Polypyrrole/Cerium Oxide Nanocomposite for Prompt Detection at Room Temperature. <i>Polymers</i> , 2021 , 13,	4.5	6
57	Solution processed near-infrared photodetectors using hybrid MoS ₂ -P(Py-co-OT) composite films. <i>Materials Research Bulletin</i> , 2021 , 138, 111229	5.1	6
56	Synthesis, Characterization and Electrical Conductivity of Nano-Crystalline Erbium Sesquioxide by the Precipitation Method and Subsequent Calcination. <i>International Journal of Electrochemical Science</i> , 2016 , 7182-7197	2.2	6
55	The inhibition performance of a novel benzenesulfonamide-based benzoxazine compound in the corrosion of X60 carbon steel in an acidizing environment. <i>RSC Advances</i> , 2021 , 11, 7078-7095	3.7	6
54	The Performance of Various SWCNT Loading into CuO/PMMA Nanocomposites Towards the Detection of Mn ²⁺ Ions. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020 , 30, 5024-5041	3.2	5
53	Synthesis and characterization of novel anti-inflammatory poly(spiro thiazolidinone)s. <i>Designed Monomers and Polymers</i> , 2016 , 19, 650-660	3.1	5
52	The effect of kenaf fibre loadings on the properties of UV-cured unsaturated polyester composites. <i>Journal of Reinforced Plastics and Composites</i> , 2013 , 32, 1062-1071	2.9	5
51	Fluorescence, Photophysical Behaviour and DFT Investigation of E,E-2,5-bis[2-(3-pyridyl)ethenyl]pyrazine (BPEP). <i>Journal of Fluorescence</i> , 2016 , 26, 1199-209	2.4	5
50	Exploring the effect of organic/inorganic additives loaded on modified polyethersulfone membranes. <i>Journal of Applied Polymer Science</i> , 2019 , 136, 47686	2.9	5

49	Properties and Applications of Poly(3-hydroxybutyrate-co-3-hydroxyvalerate) Biocomposites. <i>Journal of Polymers and the Environment</i> , 2021 , 29, 1010-1030	4.5	5
48	Novel Facial Conducting Polyamide-Based Dithiophenylidene Cyclohexanone Moiety Utilized for Selective Cu ²⁺ Sensing. <i>Polymer-Plastics Technology and Engineering</i> , 2018 , 57, 812-825		5
47	Synthesis and Spectral Properties of 4-(2,5-Dimethoxyphenylmethelene)-2-phenyl-5-oxazolone (DMPO). <i>Chinese Journal of Chemistry</i> , 2012 , 30, 563-569	4.9	4
46	Ultrasound assisted microencapsulation of zinc triflate in polyethersulfone as an efficient regioselective catalyst for Friedel-Crafts acylation reaction. <i>Polymer</i> , 2020 , 189, 122123	3.9	4
45	Novel deep neural network technique for detecting environmental effect of COVID-19. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 1-19	1.6	4
44	Functionalized polyethersulfone as PES-NH ₂ -metal oxide nanofilers for the detection of Y ³⁺ . <i>Polymer Bulletin</i> , 2019 , 76, 4485-4506	2.4	4
43	Polythiophene and its derivatives Based nanocomposites in electrochemical sensing: A mini review. <i>Materials Today Communications</i> , 2021 , 26, 101935	2.5	4
42	Network structure-based decorated CPA@CuO hybrid nanocomposite for methyl orange environmental remediation. <i>Scientific Reports</i> , 2021 , 11, 5056	4.9	4
41	Cross-linked PMMA-based bifunctional amino derivatives. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018 , 134, 1715-1728	4.1	4
40	Insights into Solar Disinfection Enhancements for Drinking Water Treatment Applications. <i>Sustainability</i> , 2021 , 13, 10570	3.6	4
39	Optimization of Facile Synthesized ZnO/CuO Nanophotocatalyst for Organic Dye Degradation by Visible Light Irradiation Using Response Surface Methodology. <i>Catalysts</i> , 2021 , 11, 1509	4	4
38	Synthesis, Spectral Characteristics and DFT Studies of the New Dye 2,7-diacetyl-9-((dimethylamino)methylene)-9H-fluorene (DMMF) in Different Solvents. <i>Journal of Fluorescence</i> , 2015 , 25, 1303-14	2.4	3
37	Experimental and theoretical study of o-substituent effect on the fluorescence of 8-hydroxyquinoline. <i>International Journal of Molecular Sciences</i> , 2015 , 16, 3804-19	6.3	3
36	Composite Nanoarchitectonics with Polythiophene, MWCNTs-G, CuO and Chitosan as a Voltammetric Sensor for Detection of Cd(II) Ions. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 1	3.2	3
35	Polysulfone/wood flour/organoclay hybrid nanocomposites as efficient eco-friendly materials. <i>Composite Interfaces</i> , 2020 , 27, 717-736	2.3	3
34	The effect of curing temperatures on the thermal behaviour of new polybenzoxazine-modified epoxy resin. <i>Polymer Bulletin</i> , 2020 , 77, 5439-5449	2.4	3
33	Ultra-efficient Hybrid Material-based Cross-linked PANI@Cs-GO-OXS/CuO for the Photocatalytic Degradation of Rhodamine-B. <i>Journal of Physics and Chemistry of Solids</i> , 2021 , 157, 110208	3.9	3
32	A New Class of Polyethylene Glycol-Grafted Graphene Carbon Nanotube Composite as a Selective Adsorbent for Au(III). <i>Waste and Biomass Valorization</i> , 2021 , 12, 937-946	3.2	3

31	Photoinhibition and photocatalytic response of surfactant mediated Pt/ZnO nanocomposite. <i>Photodiagnosis and Photodynamic Therapy</i> , 2021 , 35, 102458	3.5	3
30	Hybrid poly(ether-arylidene-ether-sulphone)s derivatives for divalent cobalt ion detection. <i>SN Applied Sciences</i> , 2020 , 2, 1	1.8	2
29	A review on heterogeneous oxidation of acetaminophen based on micro and nanoparticles catalyzed by different activators. <i>Nanotechnology Reviews</i> , 2022 , 11, 497-525	6.3	2
28	Polythiophene-based MWCNTCOOH@RGO nanocomposites as a modified glassy carbon electrode for the electrochemical detection of Hg(II) ions. <i>Chemical Papers</i> ,1	1.9	2
27	Biodegradable lignin as a reactive raw material in UV curable systems. <i>Polymer-Plastics Technology and Materials</i> , 2020 , 59, 1387-1406	1.5	2
26	A New Candidate Laser Dye Based 1,4-Bis[[2-Naphthothiazolyle)Vinyl]Benzene. Spectroscopic Behavior, Laser Parameters and Excitation Energy Transfer. <i>Journal of Fluorescence</i> , 2018 , 28, 743-758	2.4	2
25	Structural and Magnetoelectrical Properties of MFeO (M = Co, Ni, Cu, Mg, and Zn) Ferrospinel Synthesized via an Egg-White Biotemplate. <i>ACS Omega</i> , 2021 , 6, 22180-22187	3.9	2
24	Sensitive and selective voltammetric sensor based on polythiophene nanocomposite mixed MWCNT-G for the determination of Tartrazine. <i>Synthetic Metals</i> , 2021 , 280, 116875	3.6	2
23	Influence of Ce ³⁺ on the Structural, Morphological, Magnetic, Photocatalytic and Antibacterial Properties of Spinel MnFe ₂ O ₄ Nanocrystallites Prepared by the Combustion Route. <i>Crystals</i> , 2022 , 12, 268	2.3	2
22	Impact of Charge Transfer Complex on the Dielectric Relaxation Processes in Poly(methyl methacrylate) Polymer.. <i>Molecules</i> , 2022 , 27,	4.8	2
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17	Electroanalysis of Ascorbic Acid in Fresh Orange Juice Using a PTH/MWCNTCOOH-RGO/CS/CuO Film Modified Carbon Paste Electrode. <i>Journal of the Electrochemical Society</i> ,	3.9	1
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