

Elaheh Kowsari

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2001230/publications.pdf>

Version: 2024-02-01

174
papers

5,312
citations

87723

38
h-index

133063

59
g-index

179
all docs

179
docs citations

179
times ranked

5033
citing authors

#	ARTICLE	IF	CITATIONS
1	In situ synthesis, electrochemical and quantum chemical analysis of an amino acid-derived ionic liquid inhibitor for corrosion protection of mild steel in 1M HCl solution. <i>Corrosion Science</i> , 2016, 112, 73-85.	3.0	218
2	Task-specific ionic liquid as a new green inhibitor of mild steel corrosion. <i>Applied Surface Science</i> , 2014, 289, 478-486.	3.1	196
3	Synthesis and Characterization of Poly(vinyl alcohol)/Sulfonated Graphene Oxide Nanocomposite Membranes for Use in Proton Exchange Membrane Fuel Cells (PEMFCs). <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 16621-16632.	1.8	149
4	A review on inkjet printing of CNT composites for smart applications. <i>Applied Materials Today</i> , 2017, 9, 372-386.	2.3	146
5	A review on the field patents and recent developments over the application of metal organic frameworks (MOFs) in supercapacitors. <i>Coordination Chemistry Reviews</i> , 2020, 422, 213441.	9.5	121
6	Corrosion behavior of mild steel in H ₂ SO ₄ solution with 1,4-di [1- ϵ -methylene-3- ϵ -methyl imidazolium bromide]-benzene as an ionic liquid. <i>Corrosion Science</i> , 2016, 107, 96-106.	3.0	119
7	Imidazolium-derived polymeric ionic liquid as a green inhibitor for corrosion inhibition of mild steel in 1.0 M HCl: Experimental and computational study. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 586, 124195.	2.3	100
8	Phosphoric acid-doped ionic liquid-functionalized graphene oxide/sulfonated polyimide composites as proton exchange membrane. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 13964-13978.	3.8	95
9	Voltammetric determination of norepinephrine in the presence of acetaminophen using a novel ionic liquid/multiwall carbon nanotubes paste electrode. <i>Materials Science and Engineering C</i> , 2012, 32, 1912-1918.	3.8	92
10	Ternary nanocomposites of conductive polymer/functionalized GO/MOFs: Synthesis, characterization and electrochemical performance as effective electrode materials in pseudocapacitors. <i>Journal of Solid State Chemistry</i> , 2018, 265, 155-166.	1.4	84
11	Novel nanocomposite membranes based on blended sulfonated poly(ether ether ketone)/poly(vinyl Tj ETQq1 1 0.784314 rgBT /Over applications. <i>RSC Advances</i> , 2015, 5, 74054-74064.	1.7	83
12	Synthesis of MIL-100(Fe)@MIL-53(Fe) as a novel hybrid photocatalyst and evaluation photocatalytic and photoelectrochemical performance under visible light irradiation. <i>Journal of Solid State Chemistry</i> , 2018, 262, 172-180.	1.4	71
13	New synthesized ionic liquid functionalized graphene oxide: Synthesis, characterization and its nanocomposite with conjugated polymer as effective electrode materials in an energy storage device. <i>Electrochimica Acta</i> , 2018, 292, 789-804.	2.6	70
14	P-type conductive polymer/zeolitic imidazolate framework-67 (ZIF-67) nanocomposite film: Synthesis, characterization, and electrochemical performance as efficient electrode materials in pseudocapacitors. <i>Journal of Colloid and Interface Science</i> , 2018, 509, 189-194.	5.0	68
15	Preparation of porous biomass-derived hydrothermal carbon modified with terminal amino hyperbranched polymer for prominent Cr(VI) removal from water. <i>Bioresource Technology</i> , 2019, 288, 121545.	4.8	65
16	Ultrasound promoted synthesis of quinolines using basic ionic liquids in aqueous media as a green procedure. <i>Ultrasonics Sonochemistry</i> , 2011, 18, 447-454.	3.8	64
17	Nanocomposite of p-type conductive polymer/functionalized graphene oxide nanosheets as novel and hybrid electrodes for highly capacitive pseudocapacitors. <i>Journal of Colloid and Interface Science</i> , 2016, 478, 181-187.	5.0	63
18	High performance electrochemical pseudocapacitors from ionic liquid assisted electrochemically synthesized p-type conductive polymer. <i>Journal of Colloid and Interface Science</i> , 2017, 490, 91-96.	5.0	60

#	ARTICLE	IF	CITATIONS
19	Synthesis of reduced and functional graphene oxide with magnetic ionic liquid and its application as an electromagnetic-absorbing coating. <i>Composites Science and Technology</i> , 2016, 126, 106-114.	3.8	56
20	Kinetic study of Ni(II) removal using ion flotation: Effect of chemical interactions. <i>Minerals Engineering</i> , 2018, 119, 212-221.	1.8	56
21	Ionic liquids as novel solvents and catalysts for the direct polycondensation of N,N'-bis-(4,4'-oxydipthaloyl)-bis-L-phenylalanine diacid with various aromatic diamines. <i>Journal of Polymer Science Part A</i> , 2005, 43, 6545-6553.	2.5	55
22	Synthesis of ZnO nanostructures with controlled morphology and size in ionic liquids. <i>Journal of Nanoparticle Research</i> , 2009, 11, 861-868.	0.8	55
23	Green synthesis of degradable conductive thermosensitive oligopyrrole/chitosan hydrogel intended for cartilage tissue engineering. <i>International Journal of Biological Macromolecules</i> , 2018, 107, 1567-1575.	3.6	53
24	Mil-100(Fe) nanoparticles supported on urchin like Bi ₂ S ₃ structure for improving photocatalytic degradation of rhodamine-B dye under visible light irradiation. <i>Journal of Solid State Chemistry</i> , 2018, 266, 54-62.	1.4	53
25	Melamine-functionalized graphene oxide: Synthesis, characterization and considering as pseudocapacitor electrode material with intermixed POAP polymer. <i>Applied Surface Science</i> , 2018, 459, 874-883.	3.1	50
26	Ionic Liquids as Environmentally Benign Electrolytes for High-Performance Supercapacitors. <i>Global Challenges</i> , 2019, 3, 1800023.	1.8	50
27	Environmental impact of increased soap consumption during COVID-19 pandemic: Biodegradable soap production and sustainable packaging. <i>Science of the Total Environment</i> , 2021, 796, 149013.	3.9	50
28	Recent Studies on Recycled PET Fibers: Production and Applications: a Review. <i>Materials Circular Economy</i> , 2021, 3, 1.	1.6	49
29	Performance of all ionic liquids as the eco-friendly and sustainable compounds in inhibiting corrosion in various media: A comprehensive review. <i>Microchemical Journal</i> , 2021, 165, 106049.	2.3	48
30	Ag-doped nano magnetic Fe ₃ O ₄ @DA core-shell hollow spheres: an efficient and recoverable heterogeneous catalyst for A ³ and KA ² coupling reactions and [3 + 2] cycloaddition. <i>RSC Advances</i> , 2016, 6, 96623-96634.	1.7	46
31	High efficiency dye-sensitized solar cells with tetra alkyl ammonium cation-based ionic liquid functionalized graphene oxide as a novel additive in nanocomposite electrolyte. <i>Carbon</i> , 2017, 118, 384-392.	5.4	44
32	Direct and indirect effects of SARS-CoV-2 on wastewater treatment. <i>Journal of Water Process Engineering</i> , 2021, 42, 102193.	2.6	44
33	Colorimetric sensing of dopamine using hexagonal silver nanoparticles decorated by task-specific pyridinium based ionic liquid. <i>Sensors and Actuators B: Chemical</i> , 2018, 271, 64-72.	4.0	42
34	Review on innovative sustainable nanomaterials to enhance the performance of supercapacitors. <i>Journal of Energy Storage</i> , 2021, 37, 102474.	3.9	42
35	Synthesis by an ionic liquid-assisted method and optical properties of nanoflower Y ₂ O ₃ . <i>Materials Research Bulletin</i> , 2010, 45, 939-945.	2.7	41
36	Sonochemically assisted synthesis and application of hollow spheres, hollow prism, and coralline-like ZnO nanophotocatalyst. <i>Journal of Nanoparticle Research</i> , 2011, 13, 3363-3376.	0.8	41

#	ARTICLE	IF	CITATIONS
37	Synthesis of Mesoporous Pd-Doped TiO ₂ Templated by a Magnetic Recyclable Ionic Liquid for Efficient Photocatalytic Air Treatment. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 10533-10543.	1.8	41
38	Enhancement of β -Phase Crystalline Structure and Piezoelectric Properties of Flexible PVDF/Ionic Liquid Surfactant Composite Nanofibers for Potential Application in Sensing and Self-Powering. <i>Macromolecular Materials and Engineering</i> , 2020, 305, 1900796.	1.7	41
39	Challenges, Strategies, and Recommendations for the Huge Surge in Plastic and Medical Waste during the Global COVID-19 Pandemic with Circular Economy Approach. <i>Materials Circular Economy</i> , 2021, 3, 1.	1.6	40
40	Synthesis and characterization of new optically active poly(amide-imide)s containing epicon and L-methionine moieties in the main chain. <i>Polymers for Advanced Technologies</i> , 2005, 16, 732-737.	1.6	39
41	Enhancement of pseudocapacitance performance of p-type conductive polymer in the presence of newly synthesized graphene oxide-hexamethylene tributylammonium iodide nanosheets. <i>Journal of Colloid and Interface Science</i> , 2018, 512, 346-352.	5.0	39
42	Sulfonated graphene oxide and its nanocomposites with electroactive conjugated polymer as effective pseudocapacitor electrode materials. <i>Journal of Colloid and Interface Science</i> , 2017, 497, 258-265.	5.0	38
43	Electrosynthesis, physioelectrochemical and theoretical investigation of poly ortho aminophenol/magnetic functional graphene oxide nanocomposites as novel and hybrid electrodes for highly capacitive pseudocapacitors. <i>Journal of Colloid and Interface Science</i> , 2017, 490, 695-702.	5.0	38
44	Effect of hydrodynamic parameters on nickel removal rate from wastewater by ion flotation. <i>Journal of Environmental Management</i> , 2019, 244, 408-414.	3.8	38
45	Ionic liquids as novel and recyclable reaction media for N-alkylation of amino-9,10-anthraquinones by trialkyl phosphites. <i>Tetrahedron Letters</i> , 2007, 48, 3753-3756.	0.7	37
46	Ultrasound and ionic-liquid-assisted synthesis and characterization of polyaniline/Y ₂ O ₃ nanocomposite with controlled conductivity. <i>Ultrasonics Sonochemistry</i> , 2010, 17, 718-725.	3.8	37
47	Influence of newly synthesized geminal dicationic ionic liquid on electrochemical and pseudocapacitance performance of conductive polymer electroactive film. <i>Journal of Colloid and Interface Science</i> , 2017, 505, 1158-1164.	5.0	37
48	Synthesis of novel optically active poly(ester imide)s by direct polycondensation reaction promoted by tosyl chloride in pyridine in the presence of N,N-dimethylformamide. <i>Journal of Applied Polymer Science</i> , 2006, 101, 455-460.	1.3	36
49	Novel TiO ₂ /graphene oxide functionalized with a cobalt complex for significant degradation of NO _x and CO. <i>RSC Advances</i> , 2015, 5, 93706-93716.	1.7	36
50	Preparation and physicochemical performance study of proton exchange membranes based on phenyl sulfonated graphene oxide nanosheets decorated with iron titanate nanoparticles. <i>Polymer</i> , 2016, 87, 26-37.	1.8	36
51	A task specific basic ionic liquid for synthesis of flower-like ZnO by hydrothermal method. <i>Materials Letters</i> , 2008, 62, 3856-3858.	1.3	35
52	An innovative and eco-friendly modality for synthesis of highly fluorinated graphene by an acidic ionic liquid: Making of an efficacious vehicle for anti-cancer drug delivery. <i>Applied Surface Science</i> , 2020, 515, 146071.	3.1	35
53	Sustainability and Circular Economy of Food Wastes: Waste Reduction Strategies, Higher Recycling Methods, and Improved Valorization. <i>Materials Circular Economy</i> , 2021, 3, 1.	1.6	35
54	Task-Specific Basic Ionic Liquid: A Reusable and Green Catalyst for One-Pot Synthesis of Highly Functionalized Pyrroles in Aqueous Media. <i>Synlett</i> , 2008, 2008, 897-899.	1.0	34

#	ARTICLE	IF	CITATIONS
55	Innovative combined technique for high concentration of azo dye AR18 wastewater treatment using modified SBR and enhanced Fenton process as post treatment. <i>Chemical Engineering Research and Design</i> , 2015, 95, 255-264.	2.7	34
56	Influence of ionic liquid on pseudocapacitance performance of electrochemically synthesized conductive polymer: Electrochemical and theoretical investigation. <i>Journal of Colloid and Interface Science</i> , 2017, 500, 315-320.	5.0	34
57	High value add bio-based low-carbon materials: Conversion processes and circular economy. <i>Journal of Cleaner Production</i> , 2021, 293, 126101.	4.6	33
58	Ionic liquid-assisted, facile synthesis of ZnO/SnO ₂ nanocomposites, and investigation of their photocatalytic activity. <i>Materials Letters</i> , 2012, 68, 17-20.	1.3	32
59	TiO ₂ /in-situ reduced GO/functionalized with an IL-Cr complex as a ternary photocatalyst composite for efficient carbon monoxide deterioration from air. <i>Applied Catalysis B: Environmental</i> , 2017, 206, 184-193.	10.8	32
60	RGO- β -Fe ₂ O ₃ / β -FeOOH ternary heterostructure with urchin-like morphology for efficient oxygen evolution reaction. <i>Journal of Electroanalytical Chemistry</i> , 2019, 843, 1-11.	1.9	32
61	Fabrication, characterization and electromagnetic wave absorption properties of covalently modified reduced graphene oxide based on dinuclear cobalt complex. <i>Composites Part B: Engineering</i> , 2019, 162, 569-579.	5.9	32
62	Key factors affecting graphene oxide transport in saturated porous media. <i>Science of the Total Environment</i> , 2020, 698, 134224.	3.9	32
63	Synthesis and characterization of a novel nanocollector for the removal of nickel ions from synthetic wastewater using ion flotation. <i>Separation and Purification Technology</i> , 2020, 240, 116639.	3.9	32
64	Aza-Michael-type addition reaction catalysed by a supported ionic liquid phase incorporating an anionic heteropoly acid. <i>Tetrahedron Letters</i> , 2016, 57, 1150-1153.	0.7	31
65	Synthesis and characterization of novel, optically active poly(amide-imide)s from N,N'-(4,4'-sulfonedipthaloyl)-bis-L-phenylalanine diacid chloride and aromatic diamines under microwave irradiation. <i>Journal of Polymer Science Part A</i> , 2003, 41, 3974-3988.	2.5	30
66	Efficient and green synthesis of tetrasubstituted pyrroles promoted by task-specific basic ionic liquids as catalyst in aqueous media. <i>Molecular Diversity</i> , 2009, 13, 519-528.	2.1	30
67	Recent Studies on Ionic Liquids in Metal Recovery from E-Waste and Secondary Sources by Liquid-Liquid Extraction and Electrodeposition: a Review. <i>Materials Circular Economy</i> , 2020, 2, 1.	1.6	30
68	Selective separation of gallium from zinc using flotation: Effect of solution pH value and the separation mechanism. <i>Minerals Engineering</i> , 2016, 86, 104-113.	1.8	29
69	Enhanced pseudocapacitive performance of electroactive p-type conductive polymer in the presence of 1-octadecyl-3-methylimidazolium bromide. <i>Journal of Colloid and Interface Science</i> , 2017, 503, 10-16.	5.0	29
70	Electrosynthesis and pseudocapacitance performance of ionic liquid α -Cr (β -6-C ₆ H ₅) complex functionalized reduced graphene oxide/poly ortho aminophenol nanocomposite film. <i>Journal of Colloid and Interface Science</i> , 2017, 504, 507-513.	5.0	29
71	Preparation and characterization of new optically active poly(amide-imide)s derived from N,N'-(4,4'-Oxydipthaloyl)-bis-(s)-(+)-valine diacid chloride and aromatic diamines. <i>Polymer Engineering and Science</i> , 2006, 46, 558-565.	1.5	28
72	Comparison of three combined sequencing batch reactor followed by enhanced Fenton process for an azo dye degradation: Bio-decolorization kinetics study. <i>Journal of Hazardous Materials</i> , 2015, 299, 343-350.	6.5	28

#	ARTICLE	IF	CITATIONS
73	Sericin grafted multifunctional curcumin loaded fluorinated graphene oxide nanomedicines with charge switching properties for effective cancer cell targeting. <i>International Journal of Pharmaceutics</i> , 2019, 572, 118791.	2.6	28
74	Preparation of TiO ₂ @W-VO ₂ thermochromic thin film for the application of energy efficient smart windows and energy modeling studies of the produced glass. <i>Construction and Building Materials</i> , 2019, 218, 477-482.	3.2	28
75	Screening the effect of graphene oxide nanosheets functionalization with ionic liquid on the mechanical properties of an epoxy coating. <i>Progress in Organic Coatings</i> , 2018, 122, 255-262.	1.9	28
76	Preparation and Characterization of New Optically Active Poly(amide imide)s Derived from N,N'-(4,4'-Sulphonedipthaloyl)-bis-(s)-(+)-valine Diacid Chloride and Aromatic Diamines under Microwave Irradiation. <i>Polymer Bulletin</i> , 2005, 53, 169-180.	1.7	27
77	Highly efficient and simple protocol for synthesis of 2,4,5-triarylimidazole derivatives from benzil using fluorinated graphene oxide as effective and reusable catalyst. <i>Research on Chemical Intermediates</i> , 2017, 43, 4023-4041.	1.3	27
78	A symmetric ZnO-ZIF8//Mo-ZIF8 supercapacitor and comparing with electrochemical of Pt, Au, and Cu decorated ZIF-8 electrodes. <i>Journal of Molecular Liquids</i> , 2021, 333, 116007.	2.3	27
79	A review of emerging PFAS contaminants: sources, fate, health risks, and a comprehensive assortment of recent sorbents for PFAS treatment by evaluating their mechanism. <i>Research on Chemical Intermediates</i> , 2021, 47, 4879-4914.	1.3	27
80	Soluble novel optically active poly(amide-imide)s derived from N,N'-(4,4'-oxydipthaloyl)-bis-L-leucine diacid chloride and various aromatic diamines: Synthesis and characterization. <i>Journal of Applied Polymer Science</i> , 2005, 96, 435-442.	1.3	26
81	Synthesis of rose-like ZnO hierarchical nanostructures in the presence of ionic liquid/Mg ²⁺ for air purification and their shape-dependent photodegradation of SO ₂ , NO _x , and CO. <i>Applied Catalysis A: General</i> , 2014, 475, 325-334.	2.2	25
82	In-situ functionalization of mesoporous hexagonal ZnO synthesized in task specific ionic liquid as a photocatalyst for elimination of SO ₂ , NO _x , and CO. <i>Journal of Solid State Chemistry</i> , 2017, 256, 141-150.	1.4	25
83	Efficient preparation of acidic ionic liquid-functionalized reduced graphene oxide and its catalytic performance in synthesis of benzimidazole derivatives. <i>Research on Chemical Intermediates</i> , 2017, 43, 1751-1766.	1.3	25
84	Enhanced pseudocapacitance performance of conductive polymer electroactive film in the presence of green compound of 1-Butyl-3-methylimidazolium Chloride: Electrochemical and DFT study. <i>Journal of Colloid and Interface Science</i> , 2018, 512, 151-157.	5.0	25
85	A heteroelectrode structure for solar water splitting: integrated cobalt ditelluride across a TiO ₂ -passivated silicon microwire array. <i>Catalysis Science and Technology</i> , 2017, 7, 1488-1496.	2.1	24
86	A novel surface modification of copper (II) phthalocyanine with ionic liquids as electronic ink. <i>Dyes and Pigments</i> , 2018, 154, 296-302.	2.0	24
87	Synthesis of Organosoluble and Optically Active Poly(ester-imide)s by Direct Polycondensation with Tosyl Chloride in Pyridine and Dimethylformamide. <i>Polymer Bulletin</i> , 2005, 55, 51-59.	1.7	23
88	Investigation performance of rod-like ZnO/CdO composites, synthesized in ionic liquid medium as photocatalytic for degradation of air pollutants (SO ₂ and NO _x). <i>Optik</i> , 2016, 127, 11567-11576.	1.4	23
89	Geminal dicationic ionic liquid functionalized graphene nanoribbon/POAP composite film: synthesis, characterization and electrochemical pseudocapacitance performance. <i>Ionics</i> , 2018, 24, 2083-2092.	1.2	23
90	A hybrid neural network/genetic algorithm to predict Zn(II) removal by ion flotation. <i>Separation Science and Technology</i> , 2020, 55, 1197-1206.	1.3	23

#	ARTICLE	IF	CITATIONS
91	Functionalized graphene oxide GO-[imi-(CH ₂) ₂ -NH ₂] as a high efficient material for electrochemical sensing of lead: Synthesis surface and electrochemical characterization. <i>Journal of Electroanalytical Chemistry</i> , 2020, 858, 113784.	1.9	23
92	The nickel ion removal prediction model from aqueous solutions using a hybrid neural genetic algorithm. <i>Journal of Environmental Management</i> , 2017, 204, 311-317.	3.8	22
93	Overview of electronic ink and methods of production for use in electronic displays. <i>Optics and Laser Technology</i> , 2019, 117, 38-51.	2.2	22
94	Flower-like 3-dimensional hierarchical Co ₃ O ₄ /NiO microspheres for 4-nitrophenol reduction reaction. <i>Nanoscale Advances</i> , 2019, 1, 305-313.	2.2	22
95	Amino-functionalized MIL-101(Cr) photodegradation enhancement by sulfur-enriched copper sulfide nanoparticles: An experimental and DFT study. <i>Journal of Molecular Liquids</i> , 2020, 319, 114341.	2.3	22
96	Thermally Stable and Optically Active Poly(amide-imide)s Derived from 4,4'-((Hexafluoroisopropylidene)-N,N'-bis-(phthaloyl-L-methionine) Diacid Chloride and Various Aromatic Diamines: Synthesis and Characterization. <i>Polymer Bulletin</i> , 2006, 57, 169-178.	1.7	21
97	Mechanistic aspects of poly(ethylene terephthalate) recycling toward enabling high quality sustainability decisions in waste management. <i>Environmental Science and Pollution Research</i> , 2021, 28, 43074-43101.	2.7	21
98	Preparation and characterization of optically active and organosoluble poly(amide-imide)s from polycondensation reaction of N,N'-((4,4'-sulphonedipthaloyl)-bis-L-isoleucine diacid with aromatic diamines. <i>Polymers for Advanced Technologies</i> , 2005, 16, 466-472.	1.6	20
99	Direct polycondensations of N,N'-((4,4'-oxydipthaloyl)-bis-L-leucine diacid by use of tosyl chloride in the presence of N,N-dimethylformamide. <i>Polymers for Advanced Technologies</i> , 2005, 16, 795-799.	1.6	19
100	Highly-efficient microwave absorptivity in reduced graphene oxide modified with PTA@ imidazolium based dicationic ionic liquid and fluorine atom. <i>Composites Science and Technology</i> , 2020, 188, 107960.	3.8	19
101	Electrochemical performance of Silsesquioxane-GO loaded with alkoxy substituted ammonium-based ionic liquid and POAP for supercapacitor. <i>Electrochimica Acta</i> , 2020, 354, 136663.	2.6	19
102	Application of microwave irradiation for synthesis of novel optically active poly(amide imides) derived from diacid chloride containing epiclone and L-isoleucine with aromatic diamines. <i>Journal of Applied Polymer Science</i> , 2004, 93, 2218-2229.	1.3	18
103	Preparation and characterization of new thermally stable and optically active poly(ester-imide)s by direct polycondensation with thionyl chloride in pyridine. <i>Polymers for Advanced Technologies</i> , 2006, 17, 174-179.	1.6	18
104	Pseudocapacitive efficiency of covalently Cr-complex with L-histidine-methyl ester as a ligand graphene oxide blended with conducting polymer (POAP) as electrode material in supercapacitor. <i>Journal of Molecular Liquids</i> , 2020, 315, 113697.	2.3	18
105	Functionalization of graphene oxide via chromium complexes coordinated on 5-aminopyridine-2-carboxylic acid as a symmetric supercapacitor electrode materials in energy storage devices. <i>Composites Science and Technology</i> , 2021, 211, 108844.	3.8	18
106	Microwave-assisted and conventional polycondensation reaction of optically active N,N'-((4,4'-sulphonedipthaloyl)-bis-L-leucine diacid chloride with aromatic diamines. <i>Journal of Applied Polymer Science</i> , 2004, 91, 2992-3000.	1.3	17
107	Polycondensation reaction of N,N'-((4,4'-oxydipthaloyl)-bis-L-methionine diacid chloride with aromatic diamines: Synthesis and properties. <i>Journal of Applied Polymer Science</i> , 2006, 99, 1038-1044.	1.3	16
108	New functionalized graphene oxide based on a cobalt complex for black electrophoretic ink applications. <i>Journal of Materials Chemistry C</i> , 2018, 6, 8726-8732.	2.7	16

#	ARTICLE	IF	CITATIONS
109	Effect of imidazolium-based ionic liquid as electrolyte additive on electrochemical performance of 18650 cylindrical Li-ion batteries at room and 60°C temperatures. <i>Journal of the Iranian Chemical Society</i> , 2019, 16, 2123-2134.	1.2	16
110	Synthesis of cactus-like zinc oxysulfide (ZnOxS _{1-x}) nanostructures assisted by a task-specific ionic liquid and their photocatalytic activities. <i>Materials Letters</i> , 2011, 65, 3371-3373.	1.3	15
111	The main factors effecting the efficiency of Zn(II) flotation: Optimum conditions and separation mechanism. <i>Journal of Environmental Management</i> , 2018, 207, 169-179.	3.8	15
112	Effect of impeller speed on the Ni(II) ion flotation. <i>Geosystem Engineering</i> , 2019, 22, 161-168.	0.7	15
113	Comprehensive study on poly ortho-aminophenol composite electrodes and their utilization for supercapacitor applications and green energy storage: A review. <i>Journal of Energy Storage</i> , 2021, 44, 103365.	3.9	15
114	N-heterocycle-functionalized graphene oxide complexed with cobalt(II) as symmetric supercapacitor electrodes. <i>Journal of Alloys and Compounds</i> , 2022, 914, 165371.	2.8	15
115	Investigating the potential of sustainable use of green silica in the green tire industry: a review. <i>Environmental Science and Pollution Research</i> , 2022, 29, 51298-51317.	2.7	15
116	Ionic liquid-assisted sol-gel synthesis of Fe ₂ O ₃ -TiO ₂ for enhanced photocatalytic degradation of bisphenol a under UV illumination: Modeling and optimization using response surface methodology. <i>Optik</i> , 2020, 204, 164229.	1.4	14
117	Separation of nickel and zinc from aqueous solution using triethylenetetramine. <i>Hydrometallurgy</i> , 2021, 202, 105609.	1.8	13
118	Narcis-like zinc oxide: Chiral ionic liquid assisted synthesis, photoluminescence and photocatalytic activity. <i>Materials Science in Semiconductor Processing</i> , 2014, 22, 1-6.	1.9	12
119	Supramolecular Polymer Based on Poly (Ethylene-co-Vinyl Alcohol)-g-Ureidopyrimidinone: Self-Assembly and Thermo-Reversibility. <i>Journal of Macromolecular Science - Physics</i> , 2014, 53, 848-860.	0.4	12
120	Carbon-Based Nanocomposites for Visible Light-Induced Photocatalysis. <i>Springer Series on Polymer and Composite Materials</i> , 2017, , 203-249.	0.5	12
121	Covalently functionalized graphene oxide with cobalt-nitrogen-enriched complex containing iodide ligand as charge carrier nanofiller for eco-friendly high performance ionic liquid-based dye-sensitized solar cell. <i>Journal of Molecular Liquids</i> , 2021, 325, 115198.	2.3	12
122	Significance of nanostructure morphologies in photoelectrochemical water splitting cells: A brief review. <i>Journal of Molecular Structure</i> , 2021, 1230, 129856.	1.8	12
123	Functionalized graphene oxide/activated carbon from canola waste as sustainable nanomaterials to improve pseudocapacitance performance of the electroactive conductive polymer. <i>Journal of Energy Storage</i> , 2022, 50, 104279.	3.9	12
124	Contribution of chromophores with different numbers of repeat units to overall emission of MEH-PPV: An experimental and simulation study. <i>Polymer</i> , 2013, 54, 4017-4029.	1.8	11
125	Synthesis of different new copolyimides and influence of different molar ratios of diamines and dianhydride on pseudocapacitance performance of p-type conductive polymer. <i>Journal of Electroanalytical Chemistry</i> , 2019, 837, 123-136.	1.9	11
126	Efficient Photocatalytic Degradation of Gaseous Benzene and Toluene over Novel Hybrid PIL@TiO ₂ /m-GO Composites. <i>Catalysts</i> , 2021, 11, 126.	1.6	11

#	ARTICLE	IF	CITATIONS
127	Synthesis and Properties of Novel Soluble and Thermally Stable Optically Active Poly(amide-imide)s from N,N-tetra-(4,4'-oxydipthaloyl)-bis-L-phenylalanine Diacid Chloride and Aromatic Diamines. <i>Polymer Bulletin</i> , 2005, 54, 147-155.	1.7	10
128	Ionic Liquids as Novel Reaction Media for the Synthesis of Copoly(ester-amide)s Containing 9,10-Anthraquinone Moiety. <i>Synthetic Communications</i> , 2009, 39, 2540-2548.	1.1	10
129	Poly(amide-imide) bearing imidazole groups/sulfonated polyimide blends for low humidity and medium temperature proton exchange membranes. <i>Journal of Polymer Research</i> , 2015, 22, 1.	1.2	10
130	Evaluation of cupferron on the selective separation of gallium from aluminum by flotation: The separation mechanism. <i>Minerals Engineering</i> , 2016, 98, 194-203.	1.8	10
131	Catalytic activity of magnetic Fe ₃ O ₄ @Diatomite earth and acetic acid for the N-acylation of sulfonamides. <i>Tetrahedron Letters</i> , 2016, 57, 387-391.	0.7	10
132	Electrochemical and theoretical study on enhanced pseudocapacitance performance of poly orthoaminophenol film in the presence of different derivatives of phenylglycine. <i>Solid State Ionics</i> , 2019, 329, 52-60.	1.3	10
133	The synergistic effect of copper chromite spinel nanoparticles (CuCr ₂ O ₄) and basic ionic liquid on the synthesis of cyclopropanecarboxylic acids. <i>Research on Chemical Intermediates</i> , 2016, 42, 7963-7975.	1.3	9
134	Investigation of enhanced Fenton process (EFP) in color and COD removal of wastewater containing Acid Red 18 by response surface methodology: evaluation of EFP as post treatment. <i>Desalination and Water Treatment</i> , 2016, 57, 14083-14092.	1.0	9
135	Chitosan-functionalized nano-titanium dioxide: a novel and highly efficient nanocatalyst for the synthesis of 2,4,5-trisubstituted imidazoles under solvent-free conditions. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2017, 120, 605-617.	0.8	9
136	Synthesis of novel functionalized graphene oxide with incorporation pyrimidine group including cobalt-iodine bonds their nanocomposites with p-type conductive polymer as excellent pseudocapacitor electrode materials. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 18439-18451.	1.1	9
137	Synthesis of reduced graphene oxide functionalized with methyl red dye and its role in enhancing photoactivity in TiO ₂ /WO ₃ composite for toluene degradation. <i>Research on Chemical Intermediates</i> , 2020, 46, 1217-1234.	1.3	9
138	Pseudocapacitive performance of surface functionalized halloysite nanotubes decorated green additive ionic liquid modified with ATP and POAP for efficient symmetric supercapacitors. <i>Journal of Molecular Liquids</i> , 2021, 342, 116962.	2.3	9
139	High-performance symmetric supercapacitor based on new functionalized graphene oxide composites with pyrimidine nucleotide and nucleoside. <i>Journal of Molecular Liquids</i> , 2022, 348, 118381.	2.3	9
140	TiO ₂ nanoarrays modification by a novel Cobalt-heteroatom doped graphene complex for photoelectrochemical water splitting: An experimental and theoretical study. <i>Journal of Molecular Liquids</i> , 2022, 356, 118960.	2.3	9
141	Si-containing 3D cage-functionalized graphene oxide grafted with Ferrocene for high-performance supercapacitor application: An experimental and theoretical study. <i>Journal of Energy Storage</i> , 2022, 50, 104635.	3.9	9
142	Ionic liquids as green and recyclable solvents for the synthesis of N-substituted N ² -aroylthioureas containing 9,10-anthraquinone moiety. <i>Journal of Sulfur Chemistry</i> , 2008, 29, 529-537.	1.0	7
143	Synthesis of a novel fluorescent coloured copolymer based on 4-butylthio-1,8-naphthalimide. <i>Coloration Technology</i> , 2012, 128, 218-222.	0.7	7
144	Electrospun PAN nanofiber process control by ionic liquids and electromagnetic wave absorbing properties. <i>Materials Letters</i> , 2012, 79, 7-10.	1.3	7

#	ARTICLE	IF	CITATIONS
145	The catalytic effect of anion-exchanged supported ionic liquid on aza-Michael-type addition. <i>Research on Chemical Intermediates</i> , 2017, 43, 3691-3709.	1.3	7
146	Convenient N-Alkylation of amines using an effective magnetically separable supported ionic liquid containing an anionic polyoxometalate. <i>Research on Chemical Intermediates</i> , 2017, 43, 1957-1968.	1.3	7
147	Application of ionic liquids as charge control agents of pigments and preparation of microcapsules as electronic inks through electrospraying. <i>Optical Materials</i> , 2018, 84, 73-81.	1.7	7
148	Electrochemical Study of Li-Ion 18650 Cylindrical Rechargeable Cell at Elevated Temperature Using Geminal Dicationic Ionic Liquid as Electrolyte Additive. <i>Journal of Electronic Materials</i> , 2019, 48, 2254-2262.	1.0	7
149	Synthesis and electrochemical capacitor characterization of new copolyimides containing thiazole ring and their composites with conductive polymer. <i>Research on Chemical Intermediates</i> , 2020, 46, 871-890.	1.3	7
150	Functionalization of partially reduced graphene oxide by metal complex as electrode material in supercapacitor. <i>Research on Chemical Intermediates</i> , 2020, 46, 2595-2612.	1.3	7
151	Impacts of cellulose nanofibers on the morphological behavior and dynamic mechanical thermal properties of extruded polylactic acid/cellulose nanofibril nanocomposite foam. <i>Journal of Applied Polymer Science</i> , 2022, 139, 51673.	1.3	7
152	Synthesis, spectral, and thermal properties of some phosphorus-containing 9,10-anthraquinoid, thermally stable dyes. <i>Dyes and Pigments</i> , 2008, 77, 103-110.	2.0	6
153	Electrochemical and Morphological Study of Steel in 1M HCl in the Presence of Task Specific Liquid. <i>Journal of Materials Engineering and Performance</i> , 2015, 24, 3433-3443.	1.2	6
154	Effect of separation mechanism on the kinetics of Zn(II) flotation. <i>Separation Science and Technology</i> , 2018, 53, 2833-2839.	1.3	6
155	Optimization and separation mechanism of Ni(II) removal from synthetic wastewater using response surface method. <i>International Journal of Environmental Science and Technology</i> , 2019, 16, 4915-4924.	1.8	6
156	Aramid fibers composites to innovative sustainable materials for biomedical applications. , 2019, , 173-204.		6
157	Rapid Synthesis of Flower-Like ZnO Nanostructures. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 6173-6176.	0.9	5
158	A facile one-pot synthesis of functionalized thiazines in water. <i>Chinese Chemical Letters</i> , 2012, 23, 1007-1010.	4.8	5
159	Fabrication of fern-like, fish skeleton-like, and butterfly-like BaO nanostructures as nanofillers for radar-absorbing nanocomposites. <i>Materials Letters</i> , 2012, 74, 33-36.	1.3	5
160	Fabrication of Bio-Nanocomposite Based on HNT-Methionine for Controlled Release of Phenytoin. <i>Polymers</i> , 2021, 13, 2576.	2.0	5
161	Using a chiral ionic liquid for morphological evolution of BaCO ₃ and its radar absorbing properties as a dendritic nanofiller. <i>Materials Letters</i> , 2012, 78, 150-153.	1.3	4
162	Synthesis of an Organic-Inorganic Alq ₃ -Based Hybrid Material by Sol-Gel Method. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2015, 25, 680-686.	1.9	4

#	ARTICLE	IF	CITATIONS
163	A new kinetic model for Ni(II) ion flotation based on gene expression programming. Separation Science and Technology, 2019, 54, 2528-2535.	1.3	4
164	Performance of novel GO-Gly/HNTs and GO-GG/HNTs nanocomposites for removal of Pb(II) from water: optimization based on the RSM-CCD model. Environmental Science and Pollution Research, 2022, 29, 9124-9141.	2.7	4
165	Study of silanized-TiO ₂ nanoparticles modification by ionic liquid for white electronic ink applications. Journal of Materials Science: Materials in Electronics, 2019, 30, 11307-11316.	1.1	3
166	Preparation and electromagnetic wave absorption properties of polymer nanocomposites based on new functionalized graphene oxide iron pentacarbonyl and ionic liquid. Research on Chemical Intermediates, 2020, 46, 1329-1351.	1.3	3
167	Catalytic synthesis of thiazolidines by the reaction of Nef-isocyanide reaction. Research on Chemical Intermediates, 2020, 46, 3593-3605.	1.3	3
168	Addressing the Challenge of Microfiber Plastics as the Marine Pollution Crisis Using Circular Economy Methods: a Review. Materials Circular Economy, 2021, 3, 1.	1.6	3
169	Application of ionic liquids in green energy-storage materials. , 2022, , 155-166.		3
170	3D printing of graphene-based composites and their applications in medicine and health care. , 2022, , 463-485.		3
171	Specifying the Effects of Functionalization of Highly Reduced Graphene Oxide by an Ionic Liquid on Supercapacitive Features. Journal of Electronic Materials, 2020, 49, 3920-3927.	1.0	1
172	Functionalization of graphene composites using ionic liquids and applications. , 2022, , 445-461.		1
173	WATER IONIC LIQUID-CROWN ETHER SYSTEM CONTROLLING MORPHOLOGIES AND SIZES OF SOLUBLE POLYPYRROLE NANOSTRUCTURES AND THEIR SELF-ASSEMBLY BEHAVIORS IN THE SYSTEM. International Journal of Modern Physics Conference Series, 2012, 05, 79-86.	0.7	0
174	The effects of substituent type and position on the aromaticity of certain derivatives of imidazole and benzimidazole. AIP Conference Proceedings, 2020, , .	0.3	0