

# Elaheh Kowsari

## List of Publications by Year in descending order

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174  
papers

5,312  
citations

87888

38  
h-index

133252

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. Corrosion Science, 2016, 112, 73-85.	6.6	218
2	Task-specific ionic liquid as a new green inhibitor of mild steel corrosion. Applied Surface Science, 2014, 289, 478-486.	6.1	196
3	Synthesis and Characterization of Poly(vinyl alcohol)/Sulfonated Graphene Oxide Nanocomposite Membranes for Use in Proton Exchange Membrane Fuel Cells (PEMFCs). Industrial & Engineering Chemistry Research, 2014, 53, 16621-16632.	3.7	149
4	A review on inkjet printing of CNT composites for smart applications. Applied Materials Today, 2017, 9, 372-386.	4.3	146
5	A review on the field patents and recent developments over the application of metal organic frameworks (MOFs) in supercapacitors. Coordination Chemistry Reviews, 2020, 422, 213441.	18.8	121
6	Corrosion behavior of mild steel in H <sub>2</sub> SO <sub>4</sub> solution with 1,4-di [1- $\epsilon$ -methylene-3- $\epsilon$ -methyl imidazolium bromide]-benzene as an ionic liquid. Corrosion Science, 2016, 107, 96-106.	6.6	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. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 586, 124195.	4.7	100
8	Phosphoric acid-doped ionic liquid-functionalized graphene oxide/sulfonated polyimide composites as proton exchange membrane. International Journal of Hydrogen Energy, 2015, 40, 13964-13978.	7.1	95
9	Voltammetric determination of norepinephrine in the presence of acetaminophen using a novel ionic liquid/multiwall carbon nanotubes paste electrode. Materials Science and Engineering C, 2012, 32, 1912-1918.	7.3	92
10	Ternary nanocomposites of conductive polymer/functionalized GO/MOFs: Synthesis, characterization and electrochemical performance as effective electrode materials in pseudocapacitors. Journal of Solid State Chemistry, 2018, 265, 155-166.	2.9	84
11	Novel nanocomposite membranes based on blended sulfonated poly(ether ether ketone)/poly(vinyl Tj ETQq1 1 0.784314 rgBT /Overl	3.6	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. Journal of Solid State Chemistry, 2018, 262, 172-180.	2.9	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. Electrochimica Acta, 2018, 292, 789-804.	5.2	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. Journal of Colloid and Interface Science, 2018, 509, 189-194.	9.4	68
15	Preparation of porous biomass-derived hydrothermal carbon modified with terminal amino hyperbranched polymer for prominent Cr(VI) removal from water. Bioresource Technology, 2019, 288, 121545.	9.6	65
16	Ultrasound promoted synthesis of quinolines using basic ionic liquids in aqueous media as a green procedure. Ultrasonics Sonochemistry, 2011, 18, 447-454.	8.2	64
17	Nanocomposite of p-type conductive polymer/functionalized graphene oxide nanosheets as novel and hybrid electrodes for highly capacitive pseudocapacitors. Journal of Colloid and Interface Science, 2016, 478, 181-187.	9.4	63
18	High performance electrochemical pseudocapacitors from ionic liquid assisted electrochemically synthesized p-type conductive polymer. Journal of Colloid and Interface Science, 2017, 490, 91-96.	9.4	60

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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.	7.8	56
20	Kinetic study of Ni(II) removal using ion flotation: Effect of chemical interactions. <i>Minerals Engineering</i> , 2018, 119, 212-221.	4.3	56
21	Ionic liquids as novel solvents and catalysts for the direct polycondensation of N,N'-bis-(4,4'-oxydiphenyl)-bis-L-phenylalanine diacid with various aromatic diamines. <i>Journal of Polymer Science Part A</i> , 2005, 43, 6545-6553.	2.3	55
22	Synthesis of ZnO nanostructures with controlled morphology and size in ionic liquids. <i>Journal of Nanoparticle Research</i> , 2009, 11, 861-868.	1.9	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.	7.5	53
24	Mil-100(Fe) nanoparticles supported on urchin like Bi <sub>2</sub> S <sub>3</sub> structure for improving photocatalytic degradation of rhodamine-B dye under visible light irradiation. <i>Journal of Solid State Chemistry</i> , 2018, 266, 54-62.	2.9	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.	6.1	50
26	Ionic Liquids as Environmentally Benign Electrolytes for High-Performance Supercapacitors. <i>Global Challenges</i> , 2019, 3, 1800023.	3.6	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.	8.0	50
28	Recent Studies on Recycled PET Fibers: Production and Applications: a Review. <i>Materials Circular Economy</i> , 2021, 3, 1.	3.2	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.	4.5	48
30	Ag-doped nano magnetic Fe <sub>3</sub> O <sub>4</sub> @DA core-shell hollow spheres: an efficient and recoverable heterogeneous catalyst for A <sup>3</sup> and KA <sup>2</sup> coupling reactions and [3 + 2] cycloaddition. <i>RSC Advances</i> , 2016, 6, 96623-96634.	3.6	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.	10.3	44
32	Direct and indirect effects of SARS-CoV-2 on wastewater treatment. <i>Journal of Water Process Engineering</i> , 2021, 42, 102193.	5.6	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.	7.8	42
34	Review on innovative sustainable nanomaterials to enhance the performance of supercapacitors. <i>Journal of Energy Storage</i> , 2021, 37, 102474.	8.1	42
35	Synthesis by an ionic liquid-assisted method and optical properties of nanoflower Y <sub>2</sub> O <sub>3</sub> . <i>Materials Research Bulletin</i> , 2010, 45, 939-945.	5.2	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.	1.9	41

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37	Synthesis of Mesoporous Pd-Doped TiO <sub>2</sub> Templated by a Magnetic Recyclable Ionic Liquid for Efficient Photocatalytic Air Treatment. <i>Industrial &amp; Engineering Chemistry Research</i> , 2016, 55, 10533-10543.	3.7	41
38	Enhancement of $\beta$ -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.	3.6	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.	3.2	40
40	Synthesis and characterization of new optically active poly(amide-imide)s containing epiclon and L-methionine moieties in the main chain. <i>Polymers for Advanced Technologies</i> , 2005, 16, 732-737.	3.2	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.	9.4	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.	9.4	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.	9.4	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.	7.8	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.	1.4	37
46	Ultrasound and ionic-liquid-assisted synthesis and characterization of polyaniline/Y <sub>2</sub> O <sub>3</sub> nanocomposite with controlled conductivity. <i>Ultrasonics Sonochemistry</i> , 2010, 17, 718-725.	8.2	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.	9.4	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.	2.6	36
49	Novel TiO <sub>2</sub> /graphene oxide functionalized with a cobalt complex for significant degradation of NO <sub>x</sub> and CO. <i>RSC Advances</i> , 2015, 5, 93706-93716.	3.6	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.	3.8	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.	2.6	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.	6.1	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.	3.2	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.	1.8	34

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55	Innovative combined technique for high concentration of azo dye AR18 wastewater treatment using modified SBR and enhanced Fenton process as post treatment. Chemical Engineering Research and Design, 2015, 95, 255-264.	5.6	34
56	Influence of ionic liquid on pseudocapacitance performance of electrochemically synthesized conductive polymer: Electrochemical and theoretical investigation. Journal of Colloid and Interface Science, 2017, 500, 315-320.	9.4	34
57	High value add bio-based low-carbon materials: Conversion processes and circular economy. Journal of Cleaner Production, 2021, 293, 126101.	9.3	33
58	Ionic liquid-assisted, facile synthesis of ZnO/SnO <sub>2</sub> nanocomposites, and investigation of their photocatalytic activity. Materials Letters, 2012, 68, 17-20.	2.6	32
59	TiO <sub>2</sub> /in-situ reduced GO/functionalized with an IL-Cr complex as a ternary photocatalyst composite for efficient carbon monoxide deterioration from air. Applied Catalysis B: Environmental, 2017, 206, 184-193.	20.2	32
60	RGO- $\beta$ -Fe <sub>2</sub> O <sub>3</sub> / $\beta$ -FeOOH ternary heterostructure with urchin-like morphology for efficient oxygen evolution reaction. Journal of Electroanalytical Chemistry, 2019, 843, 1-11.	3.8	32
61	Fabrication, characterization and electromagnetic wave absorption properties of covalently modified reduced graphene oxide based on dinuclear cobalt complex. Composites Part B: Engineering, 2019, 162, 569-579.	12.0	32
62	Key factors affecting graphene oxide transport in saturated porous media. Science of the Total Environment, 2020, 698, 134224.	8.0	32
63	Synthesis and characterization of a novel nanocollector for the removal of nickel ions from synthetic wastewater using ion flotation. Separation and Purification Technology, 2020, 240, 116639.	7.9	32
64	Aza-Michael-type addition reaction catalysed by a supported ionic liquid phase incorporating an anionic heteropoly acid. Tetrahedron Letters, 2016, 57, 1150-1153.	1.4	31
65	Synthesis and characterization of novel, optically active poly(amide-imide)s from N,N'-(4,4'-sulfonatedipthaloyl)-bis-L-phenylalanine diacid chloride and aromatic diamines under microwave irradiation. Journal of Polymer Science Part A, 2003, 41, 3974-3988.	2.3	30
66	Efficient and green synthesis of tetrasubstituted pyrroles promoted by task-specific basic ionic liquids as catalyst in aqueous media. Molecular Diversity, 2009, 13, 519-528.	3.9	30
67	Recent Studies on Ionic Liquids in Metal Recovery from E-Waste and Secondary Sources by Liquid-Liquid Extraction and Electrodeposition: a Review. Materials Circular Economy, 2020, 2, 1.	3.2	30
68	Selective separation of gallium from zinc using flotation: Effect of solution pH value and the separation mechanism. Minerals Engineering, 2016, 86, 104-113.	4.3	29
69	Enhanced pseudocapacitive performance of electroactive p-type conductive polymer in the presence of 1-octadecyl-3-methylimidazolium bromide. Journal of Colloid and Interface Science, 2017, 503, 10-16.	9.4	29
70	Electrosynthesis and pseudocapacitance performance of ionic liquid $\alpha$ -Cr ( $\beta$ -6-C <sub>6</sub> H <sub>5</sub> ) complex functionalized reduced graphene oxide/poly ortho aminophenol nanocomposite film. Journal of Colloid and Interface Science, 2017, 504, 507-513.	9.4	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. Polymer Engineering and Science, 2006, 46, 558-565.	3.1	28
72	Comparison of three combined sequencing batch reactor followed by enhanced Fenton process for an azo dye degradation: Bio-decolorization kinetics study. Journal of Hazardous Materials, 2015, 299, 343-350.	12.4	28

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73	Sericin grafted multifunctional curcumin loaded fluorinated graphene oxide nanomedicines with charge switching properties for effective cancer cell targeting. International Journal of Pharmaceutics, 2019, 572, 118791.	5.2	28
74	Preparation of TiO <sub>2</sub> @W-VO <sub>2</sub> thermochromic thin film for the application of energy efficient smart windows and energy modeling studies of the produced glass. Construction and Building Materials, 2019, 218, 477-482.	7.2	28
75	Screening the effect of graphene oxide nanosheets functionalization with ionic liquid on the mechanical properties of an epoxy coating. Progress in Organic Coatings, 2018, 122, 255-262.	3.9	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. Polymer Bulletin, 2005, 53, 169-180.	3.3	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. Research on Chemical Intermediates, 2017, 43, 4023-4041.	2.7	27
78	A symmetric ZnO-ZIF8//Mo-ZIF8 supercapacitor and comparing with electrochemical of Pt, Au, and Cu decorated ZIF-8 electrodes. Journal of Molecular Liquids, 2021, 333, 116007.	4.9	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. Research on Chemical Intermediates, 2021, 47, 4879-4914.	2.7	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. Journal of Applied Polymer Science, 2005, 96, 435-442.	2.6	26
81	Synthesis of rose-like ZnO hierarchical nanostructures in the presence of ionic liquid/Mg <sup>2+</sup> for air purification and their shape-dependent photodegradation of SO <sub>2</sub> , NO <sub>x</sub> , and CO. Applied Catalysis A: General, 2014, 475, 325-334.	4.3	25
82	In-situ functionalization of mesoporous hexagonal ZnO synthesized in task specific ionic liquid as a photocatalyst for elimination of SO <sub>2</sub> , NO <sub>x</sub> , and CO. Journal of Solid State Chemistry, 2017, 256, 141-150.	2.9	25
83	Efficient preparation of acidic ionic liquid-functionalized reduced graphene oxide and its catalytic performance in synthesis of benzimidazole derivatives. Research on Chemical Intermediates, 2017, 43, 1751-1766.	2.7	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. Journal of Colloid and Interface Science, 2018, 512, 151-157.	9.4	25
85	A heteroelectrode structure for solar water splitting: integrated cobalt ditelluride across a TiO <sub>2</sub> -passivated silicon microwire array. Catalysis Science and Technology, 2017, 7, 1488-1496.	4.1	24
86	A novel surface modification of copper (II) phthalocyanine with ionic liquids as electronic ink. Dyes and Pigments, 2018, 154, 296-302.	3.7	24
87	Synthesis of Organosoluble and Optically Active Poly(ester-imide)s by Direct Polycondensation with Tosyl Chloride in Pyridine and Dimethylformamide. Polymer Bulletin, 2005, 55, 51-59.	3.3	23
88	Investigation performance of rod-like ZnO/CdO composites, synthesized in ionic liquid medium as photocatalytic for degradation of air pollutants (SO <sub>2</sub> and NO <sub>x</sub> ). Optik, 2016, 127, 11567-11576.	2.9	23
89	Geminal dicationic ionic liquid functionalized graphene nanoribbon/POAP composite film: synthesis, characterization and electrochemical pseudocapacitance performance. Ionics, 2018, 24, 2083-2092.	2.4	23
90	A hybrid neural network/genetic algorithm to predict Zn(II) removal by ion flotation. Separation Science and Technology, 2020, 55, 1197-1206.	2.5	23



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91	Functionalized graphene oxide GO-[imi-(CH <sub>2</sub> ) <sub>2</sub> -NH <sub>2</sub> ] as a high efficient material for electrochemical sensing of lead: Synthesis surface and electrochemical characterization. Journal of Electroanalytical Chemistry, 2020, 858, 113784.	3.8	23
92	The nickel ion removal prediction model from aqueous solutions using a hybrid neural genetic algorithm. Journal of Environmental Management, 2017, 204, 311-317.	7.8	22
93	Overview of electronic ink and methods of production for use in electronic displays. Optics and Laser Technology, 2019, 117, 38-51.	4.6	22
94	Flower-like 3-dimensional hierarchical Co <sub>3</sub> O <sub>4</sub> /NiO microspheres for 4-nitrophenol reduction reaction. Nanoscale Advances, 2019, 1, 305-313.	4.6	22
95	Amino-functionalized MIL-101(Cr) photodegradation enhancement by sulfur-enriched copper sulfide nanoparticles: An experimental and DFT study. Journal of Molecular Liquids, 2020, 319, 114341.	4.9	22
96	Thermally Stable and Optically Active Poly(amide-imide)s Derived from 4,4'-TMâ€“(Hexafluoroisopropylidene)-N,Nâ€“(bis-(phthaloyl-L-methionine) Diacid Chloride and Various Aromatic Diamines: Synthesis and Characterization. Polymer Bulletin, 2006, 57, 169-178.	3.3	21
97	Mechanistic aspects of poly(ethylene terephthalate) recyclingâ€“toward enabling high quality sustainability decisions in waste management. Environmental Science and Pollution Research, 2021, 28, 43074-43101.	5.3	21
98	Preparation and characterization of optically active and organosoluble poly(amide-imide)s from polycondensation reaction of N,Nâ€“(4,4'-sulphonedipthaloyl)-bis-L-isoleucine diacid with aromatic diamines. Polymers for Advanced Technologies, 2005, 16, 466-472.	3.2	20
99	Direct polycondensations of N,Nâ€“(4,4'-oxydipthaloyl)-bis-L-leucine diacid by use of tosyl chloride in the presence of N,N-dimethylformamide. Polymers for Advanced Technologies, 2005, 16, 795-799.	3.2	19
100	Highly-efficient microwave absorptivity in reduced graphene oxide modified with PTA@ imidazolium based dicationic ionic liquid and fluorine atom. Composites Science and Technology, 2020, 188, 107960.	7.8	19
101	Electrochemical performance of Silsesquioxane-GO loaded with alkoxy substituted ammonium-based ionic liquid and POAP for supercapacitor. Electrochimica Acta, 2020, 354, 136663.	5.2	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. Journal of Applied Polymer Science, 2004, 93, 2218-2229.	2.6	18
103	Preparation and characterization of new thermally stable and optically active poly(ester-imide)s by direct polycondensation with thionyl chloride in pyridine. Polymers for Advanced Technologies, 2006, 17, 174-179.	3.2	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. Journal of Molecular Liquids, 2020, 315, 113697.	4.9	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. Composites Science and Technology, 2021, 211, 108844.	7.8	18
106	Microwave-assisted and conventional polycondensation reaction of optically active N,N'-(4,4'-sulphonedipthaloyl)-bis-L-leucine diacid chloride with aromatic diamines. Journal of Applied Polymer Science, 2004, 91, 2992-3000.	2.6	17
107	Polycondensation reaction of N,Nâ€“(4,4'-oxydipthaloyl)-bis-L-methionine diacid chloride with aromatic diamines: Synthesis and properties. Journal of Applied Polymer Science, 2006, 99, 1038-1044.	2.6	16
108	New functionalized graphene oxide based on a cobalt complex for black electrophoretic ink applications. Journal of Materials Chemistry C, 2018, 6, 8726-8732.	5.5	16

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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.	2.2	16
110	Synthesis of cactus-like zincoxysulfide (ZnOxS <sub>1-x</sub> ) nanostructures assisted by a task-specific ionic liquid and their photocatalytic activities. <i>Materials Letters</i> , 2011, 65, 3371-3373.	2.6	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.	7.8	15
112	Effect of impeller speed on the Ni(II) ion flotation. <i>Geosystem Engineering</i> , 2019, 22, 161-168.	1.4	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.	8.1	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.	5.5	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.	5.3	15
116	Ionic liquid-assisted sol-gel synthesis of Fe <sub>2</sub> O <sub>3</sub> -TiO <sub>2</sub> for enhanced photocatalytic degradation of bisphenol a under UV illumination: Modeling and optimization using response surface methodology. <i>Optik</i> , 2020, 204, 164229.	2.9	14
117	Separation of nickel and zinc from aqueous solution using triethylenetetramine. <i>Hydrometallurgy</i> , 2021, 202, 105609.	4.3	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.	4.0	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.	1.0	12
120	Carbon-Based Nanocomposites for Visible Light-Induced Photocatalysis. <i>Springer Series on Polymer and Composite Materials</i> , 2017, , 203-249.	0.7	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.	4.9	12
122	Significance of nanostructure morphologies in photoelectrochemical water splitting cells: A brief review. <i>Journal of Molecular Structure</i> , 2021, 1230, 129856.	3.6	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.	8.1	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.	3.8	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.	3.8	11
126	Efficient Photocatalytic Degradation of Gaseous Benzene and Toluene over Novel Hybrid PIL@TiO <sub>2</sub> /m-GO Composites. <i>Catalysts</i> , 2021, 11, 126.	3.5	11



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127	Synthesis and Properties of Novel Soluble and Thermally Stable Optically Active Poly(amide-imide)s from N,N <sup>TM</sup> -(4,4 <sup>TM</sup> -Oxydipthaloyl)-bis-L-phenylalanine Diacid Chloride and Aromatic Diamines. Polymer Bulletin, 2005, 54, 147-155.	3.3	10
128	Ionic Liquids as Novel Reaction Media for the Synthesis of Copoly(ester-amide)s Containing 9,10-Anthraquinone Moiety. Synthetic Communications, 2009, 39, 2540-2548.	2.1	10
129	Poly(amide-imide) bearing imidazole groups/sulfonated polyimide blends for low humidity and medium temperature proton exchange membranes. Journal of Polymer Research, 2015, 22, 1.	2.4	10
130	Evaluation of cupferron on the selective separation of gallium from aluminum by flotation: The separation mechanism. Minerals Engineering, 2016, 98, 194-203.	4.3	10
131	Catalytic activity of magnetic Fe <sub>3</sub> O <sub>4</sub> @Diatomite earth and acetic acid for the N-acylation of sulfonamides. Tetrahedron Letters, 2016, 57, 387-391.	1.4	10
132	Electrochemical and theoretical study on enhanced pseudocapacitance performance of poly orthoaminophenol film in the presence of different derivatives of phenylglycine. Solid State Ionics, 2019, 329, 52-60.	2.7	10
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