

Ehsan Nazarzadeh Zare

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

87
papers

3,049
citations

31
h-index

53
g-index

98
ext. papers

4,221
ext. citations

7.4
avg, IF

6.21
L-index

#	Paper	IF	Citations
87	Efficient remediation of chlorpyrifos pesticide from contaminated water by superparamagnetic adsorbent based on Arabic gum-grafted-polyamidoxime.. <i>International Journal of Biological Macromolecules</i> , 2022 , 203, 445-456	7.9	4
86	Cellulose composites as nanobiosorbents for ecological remediation 2022 , 333-358		
85	Advances in tannic acid-incorporated biomaterials: Infection treatment, regenerative medicine, cancer therapy, and biosensing. <i>Chemical Engineering Journal</i> , 2022 , 432, 134146	14.7	8
84	Electroconductive and photoactive poly(phenylenediamine)s with antioxidant and antimicrobial activities for potential photothermal therapy. <i>New Journal of Chemistry</i> , 2022 , 46, 6255-6266	3.6	1
83	Antimicrobial nanocomposite adsorbent based on poly(meta-phenylenediamine) for remediation of lead (II) from water medium.. <i>Scientific Reports</i> , 2022 , 12, 4632	4.9	1
82	Micro and Nano Sensors from Additive Manufacturing. <i>Journal of Nanomaterials</i> , 2022 , 2022, 1-2	3.2	
81	Remediation of pharmaceuticals from contaminated water by molecularly imprinted polymers: a review.. <i>Environmental Chemistry Letters</i> , 2022 , 1-36	13.3	2
80	Metal-organic framework-based materials for the abatement of air pollution and decontamination of wastewater. <i>Chemosphere</i> , 2022 , 135082	8.4	1
79	Ionic liquid-mediated synthesis of metal nanostructures: Potential application in cancer diagnosis and therapy. <i>Journal of Ionic Liquids</i> , 2022 , 100033		2
78	Antimicrobial Ionic Liquid-Based Materials for Biomedical Applications (Adv. Funct. Mater. 42/2021). <i>Advanced Functional Materials</i> , 2021 , 31, 2170312	15.6	1
77	Nonspherical Metal-Based Nanoarchitectures: Synthesis and Impact of Size, Shape, and Composition on Their Biological Activity. <i>Small</i> , 2021 , 17, e2007073	11	9
76	Bioactive Carboxymethyl Starch-Based Hydrogels Decorated with CuO Nanoparticles: Antioxidant and Antimicrobial Properties and Accelerated Wound Healing In Vivo. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	20
75	Water decontamination using bio-based, chemically functionalized, doped, and ionic liquid-enhanced adsorbents: review. <i>Environmental Chemistry Letters</i> , 2021 , 19, 3075-3114	13.3	13
74	Recent advances in bioprinting technologies for engineering different cartilage-based tissues. <i>Materials Science and Engineering C</i> , 2021 , 123, 112005	8.3	16
73	Smart Adsorbents for Aquatic Environmental Remediation. <i>Small</i> , 2021 , 17, e2007840	11	11
72	Acidic ionic liquid-mediated preparation of shaped electrically conductive poly(p-phenylenediamine). <i>Journal of Polymer Research</i> , 2021 , 28, 1	2.7	4
71	Thermal Lensing Effect in Laser Nanofluids Based on Poly (aniline-co-ortho phenylenediamine)@(text{TiO}_{2}) Interaction. <i>Journal of Electronic Materials</i> , 2021 , 50, 4896-4907	1.9	2

70	Functionalization of polymers and nanomaterials for water treatment, food packaging, textile and biomedical applications: a review. <i>Environmental Chemistry Letters</i> , 2021 , 19, 583-611	13.3	52
69	Nanoparticles and nanofibres based on tree gums: Biosynthesis and applications. <i>Comprehensive Analytical Chemistry</i> , 2021 , 94, 223-265	1.9	3
68	Drug Delivery (Nano)Platforms for Oral and Dental Applications: Tissue Regeneration, Infection Control, and Cancer Management. <i>Advanced Science</i> , 2021 , 8, 2004014	13.6	36
67	Electrospun fibers based on botanical, seaweed, microbial, and animal sourced biomacromolecules and their multidimensional applications. <i>International Journal of Biological Macromolecules</i> , 2021 , 171, 130-149	7.9	15
66	Stimuli-responsive transdermal microneedle patches. <i>Materials Today</i> , 2021 , 47, 206-222	21.8	33
65	Antimicrobial Ionic Liquid-Based Materials for Biomedical Applications. <i>Advanced Functional Materials</i> , 2021 , 31, 2104148	15.6	30
64	Toxicity and remediation of pharmaceuticals and pesticides using metal oxides and carbon nanomaterials. <i>Chemosphere</i> , 2021 , 275, 130055	8.4	31
63	Ionic liquid-based antimicrobial materials for water treatment, air filtration, food packaging and anticorrosion coatings. <i>Advances in Colloid and Interface Science</i> , 2021 , 294, 102454	14.3	12
62	Manufacturing of Microfluidic Sensors Utilizing 3D Printing Technologies: A Production System. <i>Journal of Nanomaterials</i> , 2021 , 2021, 1-16	3.2	5
61	Non-spherical nanostructures in nanomedicine: From noble metal nanorods to transition metal dichalcogenide nanosheets. <i>Applied Materials Today</i> , 2021 , 24, 101107	6.6	7
60	Electroconductive multi-functional polypyrrole composites for biomedical applications. <i>Applied Materials Today</i> , 2021 , 24, 101117	6.6	9
59	An overview on non-spherical semiconductors for heterogeneous photocatalytic degradation of organic water contaminants. <i>Chemosphere</i> , 2021 , 280, 130907	8.4	19
58	Iron-based metal-organic framework: Synthesis, structure and current technologies for water reclamation with deep insight into framework integrity. <i>Chemosphere</i> , 2021 , 284, 131171	8.4	7
57	Nonlinear optical properties of poly(aniline-co-pyrrole)@ ZnO-based nanofluid. <i>Optical Materials</i> , 2020 , 102, 109835	3.3	10
56	Advances in Antimicrobial Organic and Inorganic Nanocompounds in Biomedicine. <i>Advanced Therapeutics</i> , 2020 , 3, 2000024	4.9	57
55	Cytotoxic aquatic pollutants and their removal by nanocomposite-based sorbents. <i>Chemosphere</i> , 2020 , 258, 127324	8.4	29
54	Metal-Based Nanomaterials in Biomedical Applications: Antimicrobial Activity and Cytotoxicity Aspects. <i>Advanced Functional Materials</i> , 2020 , 30, 1910021	15.6	210
53	Progress in Microneedle-Mediated Protein Delivery. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	52

52	Electrospun fibers based on carbohydrate gum polymers and their multifaceted applications. <i>Carbohydrate Polymers</i> , 2020 , 247, 116705	10.3	15
51	Biofabricated Nanostructures and Their Composites in Regenerative Medicine. <i>ACS Applied Nano Materials</i> , 2020 , 3, 6210-6238	5.6	24
50	Functionalization of Polymers and Nanomaterials for Biomedical Applications: Antimicrobial Platforms and Drug Carriers. <i>Prosthesis</i> , 2020 , 2, 117-139	4.7	22
49	Antibacterial tragacanth gum-based nanocomposite films carrying ascorbic acid antioxidant for bioactive food packaging. <i>Carbohydrate Polymers</i> , 2020 , 247, 116678	10.3	33
48	4D-Printed Dynamic Materials in Biomedical Applications: Chemistry, Challenges, and Their Future Perspectives in the Clinical Sector. <i>Journal of Medicinal Chemistry</i> , 2020 , 63, 8003-8024	8.3	47
47	Antimicrobial Metal-Based Nanomaterials and Their Industrial and Biomedical Applications. <i>Materials Horizons</i> , 2020 , 123-134	0.6	3
46	Metal-Based Nanostructures/PLGA Nanocomposites: Antimicrobial Activity, Cytotoxicity, and Their Biomedical Applications. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 3279-3300	9.5	77
45	Advances in biogenically synthesized shaped metal- and carbon-based nanoarchitectures and their medicinal applications. <i>Advances in Colloid and Interface Science</i> , 2020 , 283, 102236	14.3	21
44	Progress in Delivery of siRNA-Based Therapeutics Employing Nano-Vehicles for Treatment of Prostate Cancer. <i>Bioengineering</i> , 2020 , 7,	5.3	35
43	Effect of functionalization of iron oxide nanoparticles on the physical properties of poly (aniline-co-pyrrole) based nanocomposites: Experimental and theoretical studies. <i>Arabian Journal of Chemistry</i> , 2020 , 13, 2331-2339	5.9	9
42	Polymeric and inorganic nanoscopic antimicrobial fillers in dentistry. <i>Acta Biomaterialia</i> , 2020 , 101, 69-101	10.8	91
41	Progress in Conductive Polyaniline-Based Nanocomposites for Biomedical Applications: A Review. <i>Journal of Medicinal Chemistry</i> , 2020 , 63, 1-22	8.3	158
40	Recent progress in the industrial and biomedical applications of tragacanth gum: A review. <i>Carbohydrate Polymers</i> , 2019 , 212, 450-467	10.3	102
39	Experimental and theoretical calculation investigation on effective adsorption of lead(II) onto poly(aniline-co-pyrrole) nanospheres. <i>Journal of Molecular Liquids</i> , 2019 , 296, 111789	6	24
38	Self-Assembled Carbohydrate Polymers for Food Applications: A Review. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2019 , 18, 2009-2024	16.4	56
37	Antimicrobial gum bio-based nanocomposites and their industrial and biomedical applications. <i>Chemical Communications</i> , 2019 , 55, 14871-14885	5.8	62
36	Nanoadsorbents based on conducting polymer nanocomposites with main focus on polyaniline and its derivatives for removal of heavy metal ions/dyes: A review. <i>Environmental Research</i> , 2018 , 162, 173-195	7.9	291
35	Development of effective nano-biosorbent based on poly m-phenylenediamine grafted dextrin for removal of Pb (II) and methylene blue from water. <i>Carbohydrate Polymers</i> , 2018 , 201, 539-548	10.3	63

34	Synthesis of conductive poly (3-aminobenzoic acid) nanostructures with different shapes in acidic ionic liquids medium. <i>Journal of Molecular Liquids</i> , 2018 , 271, 514-521	6	13
33	Synthesis, Characterization, and Biological Properties of Novel Bioactive Poly(xanthoneamide-triazole-ethersulfone) and Its Multifunctional Nanocomposite with Polyaniline. <i>Advances in Polymer Technology</i> , 2017 , 36, 309-319	1.9	17
32	Poly (pyrrole- co -aniline) hollow nanosphere supported Pd nanoflowers as high-performance catalyst for methanol electrooxidation in alkaline media. <i>Energy</i> , 2017 , 127, 419-427	7.9	25
31	PdCo porous nanostructures decorated on polypyrrole @ MWCNTs conductive nanocomposite Modified glassy carbon electrode as a powerful catalyst for ethanol electrooxidation. <i>Applied Surface Science</i> , 2017 , 401, 40-48	6.7	24
30	Poly (3-aminobenzoic acid) @ MWCNTs hybrid conducting nanocomposite: preparation, characterization, and application as a coating for copper corrosion protection. <i>Composite Interfaces</i> , 2016 , 23, 571-583	2.3	11
29	Efficient sorption of Pb(II) from an aqueous solution using a poly(aniline-co-3-aminobenzoic acid)-based magnetic core-shell nanocomposite. <i>New Journal of Chemistry</i> , 2016 , 40, 2521-2529	3.6	58
28	Sulfonated Magnetic Nanocomposite Based on Reactive PGMA-MAN Copolymer@Fe ₃ O ₄ Nanoparticles: Effective Removal of Cu(II) Ions from Aqueous Solutions. <i>International Journal of Polymer Science</i> , 2016 , 2016, 1-15	2.4	13
27	Monitoring of hydrogen peroxide using a glassy carbon electrode modified with hemoglobin and a polypyrrole-based nanocomposite. <i>Mikrochimica Acta</i> , 2015 , 182, 771-779	5.8	57
26	Emulsion polymerization for the fabrication of poly(o-phenylenediamine)@multi-walled carbon nanotubes nanocomposites: characterization and their application in the corrosion protection of 316L SS. <i>RSC Advances</i> , 2015 , 5, 68788-68795	3.7	27
25	Innovative magnetic tri-layered nanocomposites based on polyxanthone triazole, polypyrrole and iron oxide: synthesis, characterization and investigation of the biological activities. <i>RSC Advances</i> , 2015 , 5, 70186-70196	3.7	23
24	Novel conducting nanocomposite based on polypyrrole and modified poly(styrene-alt-maleic anhydride) via emulsion polymerization: Synthesis, Characterization, Antioxidant, and heavy metal sorbent activity. <i>Polymer Composites</i> , 2015 , 36, 138-144	3	19
23	Electro-Magnetic Polyfuran/Fe ₃ O ₄ Nanocomposite: Synthesis, Characterization, Antioxidant Activity, and Its Application as a Biosensor. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2015 , 64, 175-183	3	31
22	Multilayered electromagnetic bionanocomposite based on alginic acid: Characterization and biological activities. <i>Carbohydrate Polymers</i> , 2015 , 130, 372-80	10.3	52
21	Effective Adsorption of Heavy Metal Cations by Superparamagnetic Poly(aniline-co-m-phenylenediamine)@Fe ₃ O ₄ Nanocomposite. <i>Advances in Polymer Technology</i> , 2015 , 34, n/a-n/a	1.9	36
20	Biodegradable polyaniline/dextrin conductive nanocomposites: synthesis, characterization, and study of antioxidant activity and sorption of heavy metal ions. <i>Iranian Polymer Journal (English Edition)</i> , 2014 , 23, 257-266	2.3	59
19	A simple hydrogen peroxide biosensor based on a novel electro-magnetic poly(p-phenylenediamine)@Fe ₃ O ₄ nanocomposite. <i>Biosensors and Bioelectronics</i> , 2014 , 55, 259-65	11.8	132
18	Nanogel and superparamagnetic nanocomposite based on sodium alginate for sorption of heavy metal ions. <i>Carbohydrate Polymers</i> , 2014 , 106, 34-41	10.3	152
17	Biodegradable polypyrrole/dextrin conductive nanocomposite: Synthesis, characterization, antioxidant and antibacterial activity. <i>Synthetic Metals</i> , 2014 , 187, 9-16	3.6	110

16	Effect of functionalized magnetite nanoparticles and diaminoxanthone on the curing, thermal degradation kinetic and corrosion property of diglycidyl ether of bisphenol A-based epoxy resin. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2014 , 32, 1489-1499	3.5	16
15	Nanogel and super-paramagnetic nanocomposite of thiacalix[4]arene functionalized chitosan: synthesis, characterization and heavy metal sorption. <i>Iranian Polymer Journal (English Edition)</i> , 2014 , 23, 933-945	2.3	50
14	Synthesis of Novel Conductive Poly(p-phenylenediamine)/ Fe ₃ O ₄ Nanocomposite via Emulsion Polymerization and Investigation of Antioxidant Activity. <i>Advances in Polymer Technology</i> , 2014 , 33,	1.9	43
13	Novel superparamagnetic PFu@Fe ₃ O ₄ conductive nanocomposite as a suitable host for hemoglobin immobilization. <i>Sensors and Actuators B: Chemical</i> , 2014 , 202, 1200-1208	8.5	56
12	Facile synthesis of PSMA-g-3ABA/MWCNTs nanocomposite as a substrate for hemoglobin immobilization: application to catalysis of H ₂ O ₂ . <i>Materials Science and Engineering C</i> , 2014 , 39, 213-208	8.3	51
11	Novel conductive PANI/hydrophilic thiacalix[4]arene nanocomposites: synthesis, characterization and investigation of properties. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2014 , 32, 218-229	3.5	5
10	Direct electrochemistry and electrocatalysis of hemoglobin immobilized on biocompatible poly(styrene-alternative-maleic acid)/functionalized multi-wall carbon nanotubes blends. <i>Sensors and Actuators B: Chemical</i> , 2013 , 188, 227-234	8.5	56
9	Novel polyfuran/functionalized multiwalled carbon nanotubes composites with improved conductivity: Chemical synthesis, characterization, and antioxidant activity. <i>Polymer Composites</i> , 2013 , 34, 732-739	3	15
8	Preparation of conductive nanocomposites based on poly (aniline-co- butyl 3-aminobenzoate) and poly (aniline-co-ethyl 3-aminobenzoate) by solution blending method. <i>Composite Interfaces</i> , 2012 , 19, 475-488	2.3	9
7	A perspective on the applications of functionalized nanogels: promises and challenges. <i>International Materials Reviews</i> , 1-25	16.1	3
6	Novel eco-friendly acacia gum-grafted-polyamidoxime@copper ferrite nanocatalyst for synthesis of pyrazolopyridine derivatives. <i>Journal of Nanostructure in Chemistry</i> , 1	7.6	1
5	Efficient removal of Pb(II) and Cd(II) from water by cross-linked poly (N-vinylpyrrolidone-co-maleic anhydride)@eggshell/Fe ₃ O ₄ environmentally friendly nanocomposite	106, 209-219	17
4	Biodegradable antibacterial and antioxidant nanocomposite films based on dextrin for bioactive food packaging. <i>Journal of Nanostructure in Chemistry</i> , 1	7.6	3
3	Electrically Conductive Carbon-based (Bio)-nanomaterials for Cardiac Tissue Engineering. <i>Bioengineering and Translational Medicine</i> ,	14.8	3
2	Preparation of Conducting Polymers/Composites. <i>ACS Symposium Series</i> , 67-90	0.4	
1	Properties of Conducting Polymers. <i>ACS Symposium Series</i> , 39-65	0.4	0