

Seyyed Alireza Hashemi

List of Publications by Citations

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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.

90
papers

1,388
citations

23
h-index

33
g-index

96
ext. papers

2,272
ext. citations

5
avg, IF

5.57
L-index

#	Paper	IF	Citations
90	Recent progress in flexible/wearable solar cells for self-powered electronic devices. <i>Energy and Environmental Science</i> , 2020 , 13, 685-743	35.4	166
89	Green synthesis of silver nanoparticles toward bio and medical applications: review study. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018 , 46, S855-S872	6.1	78
88	Ultra-sensitive viral glycoprotein detection NanoSystem toward accurate tracing SARS-CoV-2 in biological/non-biological media. <i>Biosensors and Bioelectronics</i> , 2021 , 171, 112731	11.8	55
87	Coupled graphene oxide with hybrid metallic nanoparticles as potential electrochemical biosensors for precise detection of ascorbic acid within blood. <i>Analytica Chimica Acta</i> , 2020 , 1107, 183-192	6.6	43
86	Lead oxide-decorated graphene oxide/epoxy composite towards X-Ray radiation shielding. <i>Radiation Physics and Chemistry</i> , 2018 , 146, 77-85	2.5	42
85	Applications of graphene oxide in case of nanomedicines and nanocarriers for biomolecules: review study. <i>Drug Metabolism Reviews</i> , 2019 , 51, 12-41	7	41
84	Introduction of magnetic and supermagnetic nanoparticles in new approach of targeting drug delivery and cancer therapy application. <i>Drug Metabolism Reviews</i> , 2020 , 52, 157-184	7	40
83	Nano-magnetically modified activated carbon prepared by oak shell for treatment of wastewater containing fluoride ion. <i>Advanced Powder Technology</i> , 2020 , 31, 3236-3245	4.6	40
82	A conceptual review of rhodanine: current applications of antiviral drugs, anticancer and antimicrobial activities. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2019 , 47, 1132-1148	6.1	39
81	Effective removal of mercury, arsenic and lead from aqueous media using Polyaniline-Fe ₃ O ₄ - silver diethyldithiocarbamate nanostructures. <i>Journal of Cleaner Production</i> , 2019 , 239, 118023	10.3	33
80	Application of nanoparticles in cancer detection by Raman scattering based techniques. <i>Nano Reviews & Experiments</i> , 2018 , 9, 1373551		32
79	Zinc-based metal-organic frameworks as nontoxic and biodegradable platforms for biomedical applications: review study. <i>Drug Metabolism Reviews</i> , 2019 , 51, 356-377	7	31
78	Graphene nano-ribbon based high potential and efficiency for DNA, cancer therapy and drug delivery applications. <i>Drug Metabolism Reviews</i> , 2019 , 51, 91-104	7	31
77	Gold nanostars-diagnosis, bioimaging and biomedical applications. <i>Drug Metabolism Reviews</i> , 2020 , 52, 299-318	7	30
76	Electrified single-walled carbon nanotube/epoxy nanocomposite via vacuum shock technique: Effect of alignment on electrical conductivity and electromagnetic interference shielding. <i>Polymer Composites</i> , 2018 , 39, E1139-E1148	3	30
75	Development of hydrophobic reduced graphene oxide as a new efficient approach for photochemotherapy.. <i>RSC Advances</i> , 2020 , 10, 12851-12863	3.7	28
74	Integrated polyaniline with graphene oxide-iron tungsten nitride nanoflakes as ultrasensitive electrochemical sensor for precise detection of 4-nitrophenol within aquatic media. <i>Journal of Electroanalytical Chemistry</i> , 2020 , 873, 114406	4.1	27

73	Decorated graphene with aluminum fumarate metal organic framework as a superior non-toxic agent for efficient removal of Congo Red dye from wastewater. <i>Journal of Environmental Chemical Engineering</i> , 2019 , 7, 103437	6.8	26
72	Current trends in chemical modifications of magnetic nanoparticles for targeted drug delivery in cancer chemotherapy. <i>Drug Metabolism Reviews</i> , 2020 , 52, 205-224	7	26
71	Nanosensors for Chemical and Biological and Medical Applications 2018 , 08,		26
70	3D Nanostructures for Tissue Engineering, Cancer Therapy, and Gene Delivery. <i>Journal of Nanomaterials</i> , 2020 , 2020, 1-24	3.2	25
69	Octadecyl Amine Functionalized Graphene Oxide towards Hydrophobic Chemical Resistant Epoxy Nanocomposites. <i>ChemistrySelect</i> , 2018 , 3, 7200-7207	1.8	23
68	Erythrosine Adsorption from Aqueous Solution via Decorated Graphene Oxide with Magnetic Iron Oxide Nano Particles: Kinetic and Equilibrium Studies. <i>Acta Chimica Slovenica</i> , 2018 , 65, 882-894	1.9	23
67	Asymmetric Membranes: A Potential Scaffold for Wound Healing Applications. <i>Symmetry</i> , 2020 , 12, 11002.7		23
66	Effect of bubble based degradation on the physical properties of Single Wall Carbon Nanotube/Epoxy Resin composite and new approach in bubbles reduction. <i>Composites Part A: Applied Science and Manufacturing</i> , 2016 , 90, 457-469	8.4	23
65	Superior X-ray Radiation Shielding Effectiveness of Biocompatible Polyaniline Reinforced with Hybrid Graphene Oxide-Iron Tungsten Nitride Flakes. <i>Polymers</i> , 2020 , 12,	4.5	20
64	Synthesis of Fe ₃ O ₄ Nanoparticles Modified by Oak Shell for Treatment of Wastewater Containing Ni(II). <i>Acta Chimica Slovenica</i> , 2018 , 65, 750-756	1.9	20
63	Recent Progress in Chemical Composition, Production, and Pharmaceutical Effects of Kombucha Beverage: A Complementary and Alternative Medicine. <i>Evidence-based Complementary and Alternative Medicine</i> , 2020 , 2020, 4397543	2.3	18
62	Development and Characterization of Probiotic Lysate-Treated Chitosan Nanogel as a Novel Biocompatible Formulation for Wound Healing. <i>BioMed Research International</i> , 2020 , 2020, 8868618	3	16
61	Green synthesis of supermagnetic Fe ₃ O ₄ /MgO nanoparticles via Nutmeg essential oil toward superior anti-bacterial and anti-fungal performance. <i>Journal of Drug Delivery Science and Technology</i> , 2019 , 54, 101352	4.5	16
60	Ultra-precise label-free nanosensor based on integrated graphene with Au nanostars toward direct detection of IgG antibodies of SARS-CoV-2 in blood. <i>Journal of Electroanalytical Chemistry</i> , 2021 , 894, 115341	4.1	16
59	Modification of Phenol Novolac Epoxy Resin and Unsaturated Polyester Using Sasobit and Silica Nanoparticles. <i>Polymers From Renewable Resources</i> , 2017 , 8, 117-132	0.4	15
58	Recent Advances in Enzymes for the Bioremediation of Pollutants. <i>Biochemistry Research International</i> , 2021 , 2021, 5599204	2.4	15
57	Recent biotechnological approaches for treatment of novel COVID-19: from bench to clinical trial. <i>Drug Metabolism Reviews</i> , 2021 , 53, 141-170	7	15
56	Reinforced polypyrrole with 2D graphene flakes decorated with interconnected nickel-tungsten metal oxide complex toward superiorly stable supercapacitor. <i>Chemical Engineering Journal</i> , 2021 , 418, 129396	14.7	15

55	Emerging frontiers in drug release control by core-shell nanofibers: a review. <i>Drug Metabolism Reviews</i> , 2019 , 51, 589-611	7	13
54	Data on cytotoxic and antibacterial activity of synthesized FeO nanoparticles using. <i>Data in Brief</i> , 2020 , 28, 104929	1.2	13
53	Development of graphene based nanocomposites towards medical and biological applications. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2020 , 48, 1189-1205	6.1	11
52	Antibacterial Effects of Green-Synthesized Silver Nanoparticles Using <i>Ferula asafoetida</i> against <i>Acinetobacter baumannii</i> Isolated from the Hospital Environment and Assessment of Their Cytotoxicity on the Human Cell Lines. <i>Journal of Nanomaterials</i> , 2021 , 2021, 1-12	3.2	10
51	Bioactive Graphene Quantum Dots Based Polymer Composite for Biomedical Applications.. <i>Polymers</i> , 2022 , 14,	4.5	9
50	Bioinorganic Synthesis of Polyrhodanine Stabilized FeO/Graphene Oxide in Microbial Supernatant Media for Anticancer and Antibacterial Applications. <i>Bioinorganic Chemistry and Applications</i> , 2021 , 2021, 9972664	4.2	9
49	Polyethylene Terephthalate/Acryl Butadiene Styrene Copolymer Incorporated with Oak Shell, Potassium Sorbate and Egg Shell Nanoparticles for Food Packaging Applications: Control of Bacteria Growth, Physical and Mechanical Properties. <i>Polymers From Renewable Resources</i> , 2017 , 8, 177-196	0.4	8
48	Separation of Ni (II) from Industrial Wastewater by Kombucha Scoby as a Colony Consisted from Bacteria and Yeast: Kinetic and Equilibrium Studies. <i>Acta Chimica Slovenica</i> , 865-873	1.9	7
47	Activated carbon@MgO@Fe ₃ O ₄ as an efficient adsorbent for As (III) removal. <i>Carbon Letters</i> , 2020 , 31, 851	2.3	7
46	Recent Advancements in Polythiophene-Based Materials and their Biomedical, Geno Sensor and DNA Detection. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	7
45	Multifunctional Gold Nanorod for Therapeutic Applications and Pharmaceutical Delivery Considering Cellular Metabolic Responses, Oxidative Stress and Cellular Longevity. <i>Nanomaterials</i> , 2021 , 11,	5.4	7
44	Enhancement of Rheological and Mechanical Properties of Bitumen by Polythiophene Doped with Nano Fe ₃ O ₄ . <i>Jom</i> , 2019 , 71, 531-540	2.1	7
43	Fabrication of graphene oxide-lead oxide epoxy based composite with enhanced chemical resistance, hydrophobicity and thermo-mechanical properties. <i>Advances in Polymer Technology</i> , 2018 , 37, 3792-3803	1.9	7
42	A Review on Health Benefits of L. Nutritional Compounds for Metabolites, Antioxidants, and Anti-Inflammatory, Anticancer, and Antimicrobial Applications. <i>Evidence-based Complementary and Alternative Medicine</i> , 2021 , 2021, 5548404	2.3	7
41	Bioactive Agent-Loaded Electrospun Nanofiber Membranes for Accelerating Healing Process: A Review. <i>Membranes</i> , 2021 , 11,	3.8	7
40	Picomolar-level detection of mercury within non-biological/biological aqueous media using ultra-sensitive polyaniline-FeO-silver diethyldithiocarbamate nanostructure. <i>Analytical and Bioanalytical Chemistry</i> , 2020 , 412, 5353-5365	4.4	6
39	Electric Field Induced Alignment of Carbon Nanotubes: Methodology and Outcomes 2018 ,		6
38	Decorated graphene oxide flakes with integrated complex of 8-hydroxyquinoline/NiO toward accurate detection of glucose at physiological conditions. <i>Journal of Electroanalytical Chemistry</i> , 2021 , 893, 115303	4.1	6

37	Electromagnetic interference shielding effectiveness of reinforced composite with graphene oxide-lead oxide hybrid nanosheets. <i>Radiation Effects and Defects in Solids</i> , 2019 , 174, 885-898	0.9	5
36	Bio-enhanced polyrhodanine/graphene Oxide/Fe ₃ O ₄ nanocomposite with kombucha solvent supernatant as ultra-sensitive biosensor for detection of doxorubicin hydrochloride in biological fluids. <i>Materials Chemistry and Physics</i> , 2022 , 279, 125743	4.4	5
35	Graphene-Based Femtogram-Level Sensitive Molecularly Imprinted Polymer of SARS-CoV-2.. <i>Advanced Materials Interfaces</i> , 2021 , 2101466	4.6	5
34	Simultaneous electrochemical detection of Cd and Pb in aquatic samples via coupled graphene with brominated white polyaniline flakes. <i>European Polymer Journal</i> , 2021 , 162, 110926	5.2	5
33	Renewable Carbon Nanomaterials: Novel Resources for Dental Tissue Engineering. <i>Nanomaterials</i> , 2021 , 11,	5.4	5
32	Polythiophene silver bromide nanostructure as ultra-sensitive non-enzymatic electrochemical glucose biosensor. <i>European Polymer Journal</i> , 2020 , 138, 109959	5.2	5
31	Ultrasensitive Biomolecule-Less Nanosensor Based on β -Cyclodextrin/Quinoline Decorated Graphene Oxide toward Prompt and Differentiable Detection of Corona and Influenza Viruses. <i>Advanced Materials Technologies</i> , 2100341	6.8	5
30	Precise Blood Glucose Sensing by Nitrogen-Doped Graphene Quantum Dots for Tight Control of Diabetes. <i>Journal of Sensors</i> , 2021 , 2021, 1-14	2	5
29	The modulatory potential of herbal antioxidants against oxidative stress and heavy metal pollution: plants against environmental oxidative stress. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 61908-61918	5.1	5
28	Shape-controlled synthesis of zinc nanostructures mediating macromolecules for biomedical applications.. <i>Biomaterials Research</i> , 2022 , 26, 4	16.8	4
27	Trends in Natural Nutrients for Oxidative Stress and Cell Senescence. <i>Oxidative Medicine and Cellular Longevity</i> , 2021 , 2021, 7501424	6.7	4
26	In Silico Designing a Candidate Vaccine Against Breast Cancer. <i>International Journal of Peptide Research and Therapeutics</i> , 2020 , 26, 369-380	2.1	4
25	Recent Progress in Electrochemical Detection of Human Papillomavirus (HPV) via Graphene-Based Nanosensors. <i>Journal of Sensors</i> , 2021 , 2021, 1-15	2	3
24	Self-Healable CoreShell Nanofibers 2021 , 181-202		3
23	Development of sulfurized Polythiophene-Silver Iodide-Diethyldithiocarbamate nanoflakes toward Record-High and selective absorption and detection of mercury derivatives in aquatic substrates. <i>Chemical Engineering Journal</i> , 2022 , 440, 135896	14.7	3
22	Recent Advances in Plasma-Engineered Polymers for Biomarker-Based Viral Detection and Highly Multiplexed Analysis. <i>Biosensors</i> , 2022 , 12, 286	5.9	3
21	Antibody mounting capability of 1D/2D carbonaceous nanomaterials toward rapid-specific detection of SARS-CoV-2. <i>Talanta</i> , 2021 , 239, 123113	6.2	2
20	Synergic effect of laser-assisted graphene with silver nanowire reinforced polyindole/polypyrrole toward superior energy density. <i>Carbon</i> , 2022 , 188, 276-288	10.4	2

19	Different Laboratory Diagnosis Methods of COVID-19: A Systematic Review. <i>Archives of Clinical Infectious Diseases</i> , 2021 , 16,	3.1	2
18	Plasma-Enabled Smart Nanoexosome Platform as Emerging Immunopathogenesis for Clinical Viral Infection. <i>Pharmaceutics</i> , 2022 , 14, 1054	6.4	2
17	K-Ion Battery Practical Application Toward Grid-Energy Storage 2020 , 43-98		1
16	Graphene Oxide/Epoxy Composites with Induced Anisotropy of Electrical Properties. <i>Journal of Physical Chemistry C</i> ,	3.8	1
15	High mechanical and thermal performance of Sasobit-modified epoxy resin, prepared via vacuum shock technique. <i>Polymer Testing</i> , 2020 , 81, 106171	4.5	1
14	Carbon Substrates for Flexible Supercapacitors and Energy Storage Applications 2021 , 95-141		1
13	Biosorption. <i>Interface Science and Technology</i> , 2021 , 587-628	2.3	1
12	Superior X-ray radiation shielding of biocompatible platform based on reinforced polyaniline by decorated graphene oxide with interconnected tungsten/Bismuth/In complex. <i>Radiation Physics and Chemistry</i> , 2021 , 188, 109588	2.5	1
11	Introduction to molecularly imprinted polymer. <i>Interface Science and Technology</i> , 2021 , 33, 511-556	2.3	1
10	Hybrid of sodium polytungstate polyoxometalate supported by the green substrate for photocatalytic degradation of auramine-O dye.. <i>Environmental Science and Pollution Research</i> , 2022 , 1	5.1	1
9	Differentiable detection of ethanol/methanol in biological fluids using prompt graphene-based electrochemical nanosensor coupled with catalytic complex of nickel oxide/8-hydroxyquinoline.. <i>Analytica Chimica Acta</i> , 2022 , 1194, 339407	6.6	0
8	Conductive Polymers in Green Analytical Chemistry. <i>ACS Symposium Series</i> ,1-37	0.4	0
7	Self-Healable Solar Cells: Recent Insights and Challenges 2021 , 153-180		
6	Self-Healable Batteries475-493		
5	Current heterogeneous catalytic processes for environmental remediation of air, water, and soil. <i>Interface Science and Technology</i> , 2021 , 443-498	2.3	
4	Applications of molecularly imprinted polymers. <i>Interface Science and Technology</i> , 2021 , 33, 655-699	2.3	
3	Historical Background and Present Status of the Capacitors and Supercapacitor for High Bioenergy Storage Applications 2021 ,		
2	Graphene Nanocomposite-Based Nanoproducts for Renewable Energy Application 2021 , 1-16		

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