

# Seyyed Mojtaba Mousavi

## List of Publications by Year in descending order

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91  
papers

2,919  
citations

126907

33  
h-index

206112

48  
g-index

96  
all docs

96  
docs citations

96  
times ranked

2511  
citing authors

#	ARTICLE	IF	CITATIONS
1	Polyethylenimine-based nanocarriers in co-delivery of drug and gene: a developing horizon. <i>Nano Reviews &amp; Experiments</i> , 2018, 9, 1488497.	3.7	192
2	Green synthesis of silver nanoparticles toward bio and medical applications: review study. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 855-872.	2.8	156
3	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.	10.1	102
4	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.	3.6	78
5	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.	5.4	78
6	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.	2.8	73
7	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.	4.1	72
8	Gold nanostars-diagnosis, bioimaging and biomedical applications. <i>Drug Metabolism Reviews</i> , 2020, 52, 299-318.	3.6	71
9	Lead oxide-decorated graphene oxide/epoxy composite towards X-Ray radiation shielding. <i>Radiation Physics and Chemistry</i> , 2018, 146, 77-85.	2.8	70
10	Applications of graphene oxide in case of nanomedicines and nanocarriers for biomolecules: review study. <i>Drug Metabolism Reviews</i> , 2019, 51, 12-41.	3.6	68
11	Zinc-based metal-organic frameworks as nontoxic and biodegradable platforms for biomedical applications: review study. <i>Drug Metabolism Reviews</i> , 2019, 51, 356-377.	3.6	64
12	Bioactive Graphene Quantum Dots Based Polymer Composite for Biomedical Applications. <i>Polymers</i> , 2022, 14, 617.	4.5	61
13	Recent Advances in Enzymes for the Bioremediation of Pollutants. <i>Biochemistry Research International</i> , 2021, 2021, 1-12.	3.3	49
14	Effective removal of mercury, arsenic and lead from aqueous media using Polyaniline-Fe <sub>3</sub> O <sub>4</sub> - silver diethyldithiocarbamate nanostructures. <i>Journal of Cleaner Production</i> , 2019, 239, 118023.	9.3	48
15	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.	12.7	48
16	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.	4.6	47
17	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, 1-14.	1.2	47
18	Current trends in chemical modifications of magnetic nanoparticles for targeted drug delivery in cancer chemotherapy. <i>Drug Metabolism Reviews</i> , 2020, 52, 205-224.	3.6	46

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19	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.	0.6	46
20	Application of nanoparticles in cancer detection by Raman scattering based techniques. <i>Nano Reviews &amp; Experiments</i> , 2018, 9, 1373551.	3.7	45
21	3D Nanostructures for Tissue Engineering, Cancer Therapy, and Gene Delivery. <i>Journal of Nanomaterials</i> , 2020, 2020, 1-24.	2.7	45
22	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.	3.6	44
23	Asymmetric Membranes: A Potential Scaffold for Wound Healing Applications. <i>Symmetry</i> , 2020, 12, 1100.	2.2	43
24	Superior X-ray Radiation Shielding Effectiveness of Biocompatible Polyaniline Reinforced with Hybrid Graphene Oxide-Iron Tungsten Nitride Flakes. <i>Polymers</i> , 2020, 12, 1407.	4.5	43
25	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.	3.8	41
26	Development and In Vivo Characterization of Probiotic Lysate-Treated Chitosan Nanogel as a Novel Biocompatible Formulation for Wound Healing. <i>BioMed Research International</i> , 2020, 2020, 1-9.	1.9	41
27	Nanosensors for Chemical and Biological and Medical Applications. , 2018, 08, .		40
28	Anti-bacterial/fungal and anti-cancer performance of green synthesized Ag nanoparticles using summer savory extract. <i>Journal of Experimental Nanoscience</i> , 2020, 15, 363-380.	2.4	40
29	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.	7.6	39
30	Data on cytotoxic and antibacterial activity of synthesized Fe <sub>3</sub> O <sub>4</sub> nanoparticles using Malva sylvestris. <i>Data in Brief</i> , 2020, 28, 104929.	1.0	39
31	Development of hydrophobic reduced graphene oxide as a new efficient approach for photochemotherapy. <i>RSC Advances</i> , 2020, 10, 12851-12863.	3.6	39
32	Recent biotechnological approaches for treatment of novel COVID-19: from bench to clinical trial. <i>Drug Metabolism Reviews</i> , 2021, 53, 141-170.	3.6	39
33	Octadecyl Amine Functionalized Graphene Oxide towards Hydrophobic Chemical Resistant Epoxy Nanocomposites. <i>ChemistrySelect</i> , 2018, 3, 7200-7207.	1.5	37
34	Green Synthesis of Magnetic Nanoparticles Using Satureja hortensis Essential Oil toward Superior Antibacterial/Fungal and Anticancer Performance. <i>BioMed Research International</i> , 2021, 2021, 1-14.	1.9	37
35	Antibacterial Effects of Green-Synthesized Silver Nanoparticles Using Ferula asafoetida against Acinetobacter baumannii Isolated from the Hospital Environment and Assessment of Their Cytotoxicity on the Human Cell Lines. <i>Journal of Nanomaterials</i> , 2021, 2021, 1-12.	2.7	35
36	Development of graphene based nanocomposites towards medical and biological applications. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2020, 48, 1189-1205.	2.8	33

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37	Removal of phenol and 1,2-naphthol from aqueous solution by decorated graphene oxide with magnetic iron for modified polyrhodanine as nanocomposite adsorbents: Kinetic, equilibrium and thermodynamic studies. <i>Reactive and Functional Polymers</i> , 2020, 156, 104718.	4.1	32
38	Green synthesis of supermagnetic Fe <sub>3</sub> O <sub>4</sub> @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.	3.0	31
39	Bioinorganic Synthesis of Polyrhodanine Stabilized Fe <sub>3</sub> O <sub>4</sub> /Graphene Oxide in Microbial Supernatant Media for Anticancer and Antibacterial Applications. <i>Bioinorganic Chemistry and Applications</i> , 2021, 2021, 1-12.	4.1	31
40	Recent Advancements in Polythiophene-Based Materials and their Biomedical, Geno Sensor and DNA Detection. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6850.	4.1	31
41	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.	5.3	31
42	Emerging frontiers in drug release control by core-shell nanofibers: a review. <i>Drug Metabolism Reviews</i> , 2019, 51, 589-611.	3.6	29
43	Shape-controlled synthesis of zinc nanostructures mediating macromolecules for biomedical applications. <i>Biomaterials Research</i> , 2022, 26, 4.	6.9	29
44	Synthesis of Fe <sub>3</sub> O <sub>4</sub> Nanoparticles Modified by Oak Shell for Treatment of Wastewater Containing Ni(II). <i>Acta Chimica Slovenica</i> , 2018, 65, 750-756.	0.6	28
45	Highly Sensitive Flexible SERS-Based Sensing Platform for Detection of COVID-19. <i>Biosensors</i> , 2022, 12, 466.	4.7	27
46	Bio-enhanced polyrhodanine/graphene Oxide/Fe <sub>3</sub> O <sub>4</sub> 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.	4.0	25
47	Recent Advances in Plasma-Engineered Polymers for Biomarker-Based Viral Detection and Highly Multiplexed Analysis. <i>Biosensors</i> , 2022, 12, 286.	4.7	24
48	Recent Advances in Inflammatory Diagnosis with Graphene Quantum Dots Enhanced SERS Detection. <i>Biosensors</i> , 2022, 12, 461.	4.7	22
49	Modification of Phenol Novolac Epoxy Resin and Unsaturated Polyester Using Sasobit and Silica Nanoparticles. <i>Polymers From Renewable Resources</i> , 2017, 8, 117-132.	1.3	21
50	A Review on Health Benefits of <i>Malva sylvestris</i> L. Nutritional Compounds for Metabolites, Antioxidants, and Anti-Inflammatory, Anticancer, and Antimicrobial Applications. <i>Evidence-based Complementary and Alternative Medicine</i> , 2021, 2021, 1-13.	1.2	21
51	Graphene-Based Femtogram-Level Sensitive Molecularly Imprinted Polymer of SARS-CoV-2. <i>Advanced Materials Interfaces</i> , 2021, 8, 2101466.	3.7	20
52	Modification of the Epoxy Resin Mechanical and Thermal Properties with Silicon Acrylate and Montmorillonite Nanoparticles. <i>Polymers From Renewable Resources</i> , 2016, 7, 101-113.	1.3	19
53	Development of Clay Nanoparticles Toward Bio and Medical Applications. , 0, , .		19
54	Activated carbon@MgO@Fe <sub>3</sub> O <sub>4</sub> as an efficient adsorbent for As (III) removal. <i>Carbon Letters</i> , 2021, 31, 851-862.	5.9	19

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55	Multifunctional Gold Nanorod for Therapeutic Applications and Pharmaceutical Delivery Considering Cellular Metabolic Responses, Oxidative Stress and Cellular Longevity. <i>Nanomaterials</i> , 2021, 11, 1868.	4.1	19
56	The Pivotal Role of Quantum Dots-Based Biomarkers Integrated with Ultra-Sensitive Probes for Multiplex Detection of Human Viral Infections. <i>Pharmaceuticals</i> , 2022, 15, 880.	3.8	19
57	Simultaneous electrochemical detection of Cd and Pb in aquatic samples via coupled graphene with brominated white polyaniline flakes. <i>European Polymer Journal</i> , 2022, 162, 110926.	5.4	17
58	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.	1.3	16
59	Synergic effect of laser-assisted graphene with silver nanowire reinforced polyindole/polypyrrole toward superior energy density. <i>Carbon</i> , 2022, 188, 276-288.	10.3	16
60	Plasma-Enabled Smart Nanoexosome Platform as Emerging Immunopathogenesis for Clinical Viral Infection. <i>Pharmaceutics</i> , 2022, 14, 1054.	4.5	16
61	Improved Morphology and Properties of Nanocomposites, Linear Low Density Polyethylene, Ethylene-Co-Vinyl Acetate and Nano Clay Particles by Electron Beam. <i>Polymers From Renewable Resources</i> , 2016, 7, 135-153.	1.3	15
62	Trends in Natural Nutrients for Oxidative Stress and Cell Senescence. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-7.	4.0	15
63	Antibody mounting capability of 1D/2D carbonaceous nanomaterials toward rapid-specific detection of SARS-CoV-2. <i>Talanta</i> , 2022, 239, 123113.	5.5	15
64	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.	1.7	14
65	In Silico Designing a Candidate Vaccine Against Breast Cancer. <i>International Journal of Peptide Research and Therapeutics</i> , 2020, 26, 369-380.	1.9	14
66	Picomolar-level detection of mercury within non-biological/biological aqueous media using ultra-sensitive polyaniline-Fe <sub>3</sub> O <sub>4</sub> -silver diethyldithiocarbamate nanostructure. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 5353-5365.	3.7	14
67	Polythiophene silver bromide nanostructure as ultra-sensitive non-enzymatic electrochemical glucose biosensor. <i>European Polymer Journal</i> , 2020, 138, 109959.	5.4	13
68	Ultrasensitive Biomolecule-Less Nanosensor Based on $\beta$ -Cyclodextrin/Quinoline Decorated Graphene Oxide toward Prompt and Differentiable Detection of Corona and Influenza Viruses. <i>Advanced Materials Technologies</i> , 2021, 6, 2100341.	5.8	13
69	Biosorption. <i>Interface Science and Technology</i> , 2021, , 587-628.	3.3	12
70	Precise Blood Glucose Sensing by Nitrogen-Doped Graphene Quantum Dots for Tight Control of Diabetes. <i>Journal of Sensors</i> , 2021, 2021, 1-14.	1.1	12
71	Renewable Carbon Nanomaterials: Novel Resources for Dental Tissue Engineering. <i>Nanomaterials</i> , 2021, 11, 2800.	4.1	12
72	Transparent sodium polytungstate polyoxometalate aquatic shields toward effective X-ray radiation protection: Alternative to lead glasses. <i>Materials Today Communications</i> , 2022, 31, 103822.	1.9	12

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73	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.	3.8	11
74	Recent Progress in Electrochemical Detection of Human Papillomavirus (HPV) via Graphene-Based Nanosensors. <i>Journal of Sensors</i> , 2021, 2021, 1-15.	1.1	9
75	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, 29, 56055-56067.	5.3	8
76	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.	12.7	8
77	Recent Advances of Nanotechnology in Mitigating Emerging Pollutants in Water and Wastewater: Status, Challenges, and Opportunities. <i>Water, Air, and Soil Pollution</i> , 2022, 233, .	2.4	8
78	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.	1.2	7
79	Chewing Gums as a Drug Delivery Approach for Oral Health. <i>International Journal of Dentistry</i> , 2022, 2022, 1-10.	1.5	7
80	Modifying the Properties of Polypropylene-Wood Composite by Natural Polymers and Eggshell Nano-Particles. <i>Polymers From Renewable Resources</i> , 2015, 6, 157-173.	1.3	6
81	Modification of Physical, Mechanical and Electrical Properties of Reinforced Epoxy Phenol Novolac with Nano Cobalt Acrylate and Carbon Nanotubes. <i>Progress in Rubber, Plastics and Recycling Technology</i> , 2018, 34, 105-114.	1.8	6
82	Preparation physical, mechanical properties and biodegradable study of SAN/EOC/nanoclay/proteins nanocomposite. <i>Polymers From Renewable Resources</i> , 2021, 12, 19-34.	1.3	6
83	Different Laboratory Diagnosis Methods of COVID-19: A Systematic Review. <i>Archives of Clinical Infectious Diseases</i> , 2021, 16, .	0.2	6
84	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.	5.4	6
85	Core-Shell Nanofibers: A New Horizon in Controlling the Drug Release. <i>Current Cancer Therapy Reviews</i> , 2017, 13, .	0.3	3
86	Conductive Polymers in Green Analytical Chemistry. <i>ACS Symposium Series</i> , 0, , 1-37.	0.5	3
87	Development of Efficient Composites via Renewable, Recyclable, and Degradable Additives. , 2019, , .		0
88	Historical Background and Present Status of the Capacitors and Supercapacitor for High Bioenergy Storage Applications. , 2022, , 692-702.		0
89	Current Trends in the Detection of Biological Proteins and Immunological Assays using Graphene Quantum Dots. <i>Current Analytical Chemistry</i> , 2020, 17, .	1.2	0
90	Effect of a home bleaching agent on the fracture toughness of resin composites, using short rod design. <i>Journal of Dentistry</i> , 2014, 15, 74-80.	0.1	0

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91	Magnetic nanomaterials for electromagnetic interference shielding application. , 2022, , 607-622.		0