

Seyyed Mojtaba Mousavi

List of Publications by Year in descending order

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docs citations

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2511
citing authors

#	ARTICLE	IF	CITATIONS
1	Historical Background and Present Status of the Capacitors and Supercapacitor for High Bioenergy Storage Applications. , 2022, , 692-702.		0
2	Antibody mounting capability of 1D/2D carbonaceous nanomaterials toward rapid-specific detection of SARS-CoV-2. Talanta, 2022, 239, 123113.	2.9	15
3	Simultaneous electrochemical detection of Cd and Pb in aquatic samples via coupled graphene with brominated white polyaniline flakes. European Polymer Journal, 2022, 162, 110926.	2.6	17
4	Differentiable detection of ethanol/methanol in biological fluids using prompt graphene-based electrochemical nanosensor coupled with catalytic complex of nickel oxide/8-hydroxyquinoline. Analytica Chimica Acta, 2022, 1194, 339407.	2.6	6
5	Synergic effect of laser-assisted graphene with silver nanowire reinforced polyindole/polypyrrole toward superior energy density. Carbon, 2022, 188, 276-288.	5.4	16
6	Shape-controlled synthesis of zinc nanostructures mediating macromolecules for biomedical applications. Biomaterials Research, 2022, 26, 4.	3.2	29
7	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. Materials Chemistry and Physics, 2022, 279, 125743.	2.0	25
8	Bioactive Graphene Quantum Dots Based Polymer Composite for Biomedical Applications. Polymers, 2022, 14, 617.	2.0	61
9	Hybrid of sodium polytungstate polyoxometalate supported by the green substrate for photocatalytic degradation of auramine-O dye. Environmental Science and Pollution Research, 2022, 29, 56055-56067.	2.7	8
10	Development of sulfurized Polythiophene-Silver Iodide-Diethyldithiocarbamate nanoflakes toward Record-High and selective absorption and detection of mercury derivatives in aquatic substrates. Chemical Engineering Journal, 2022, 440, 135896.	6.6	8
11	Magnetic nanomaterials for electromagnetic interference shielding application. , 2022, , 607-622.		0
12	Recent Advances of Nanotechnology in Mitigating Emerging Pollutants in Water and Wastewater: Status, Challenges, and Opportunities. Water, Air, and Soil Pollution, 2022, 233, .	1.1	8
13	Recent Advances in Plasma-Engineered Polymers for Biomarker-Based Viral Detection and Highly Multiplexed Analysis. Biosensors, 2022, 12, 286.	2.3	24
14	Plasma-Enabled Smart Nanoexosome Platform as Emerging Immunopathogenesis for Clinical Viral Infection. Pharmaceutics, 2022, 14, 1054.	2.0	16
15	Chewing Gums as a Drug Delivery Approach for Oral Health. International Journal of Dentistry, 2022, 2022, 1-10.	0.5	7
16	Highly Sensitive Flexible SERS-Based Sensing Platform for Detection of COVID-19. Biosensors, 2022, 12, 466.	2.3	27
17	Transparent sodium polytungstate polyoxometalate aquatic shields toward effective X-ray radiation protection: Alternative to lead glasses. Materials Today Communications, 2022, 31, 103822.	0.9	12
18	Recent Advances in Inflammatory Diagnosis with Graphene Quantum Dots Enhanced SERS Detection. Biosensors, 2022, 12, 461.	2.3	22

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19	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.	1.7	19
20	Activated carbon@MgO@Fe ₃ O ₄ as an efficient adsorbent for As (III) removal. <i>Carbon Letters</i> , 2021, 31, 851-862.	3.3	19
21	Recent biotechnological approaches for treatment of novel COVID-19: from bench to clinical trial. <i>Drug Metabolism Reviews</i> , 2021, 53, 141-170.	1.5	39
22	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.	5.3	102
23	Preparation physical, mechanical properties and biodegradable study of SAN/EOC/nanoclay/proteins nanocomposite. <i>Polymers From Renewable Resources</i> , 2021, 12, 19-34.	0.8	6
24	Biosorption. <i>Interface Science and Technology</i> , 2021, , 587-628.	1.6	12
25	Green Synthesis of Magnetic Nanoparticles Using <i>Satureja hortensis</i> Essential Oil toward Superior Antibacterial/Fungal and Anticancer Performance. <i>BioMed Research International</i> , 2021, 2021, 1-14.	0.9	37
26	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.	1.5	35
27	Different Laboratory Diagnosis Methods of COVID-19: A Systematic Review. <i>Archives of Clinical Infectious Diseases</i> , 2021, 16, .	0.1	6
28	Recent Progress in Electrochemical Detection of Human Papillomavirus (HPV) via Graphene-Based Nanosensors. <i>Journal of Sensors</i> , 2021, 2021, 1-15.	0.6	9
29	Bioinorganic Synthesis of Polyrhodanine Stabilized Fe ₃ O ₄ /Graphene Oxide in Microbial Supernatant Media for Anticancer and Antibacterial Applications. <i>Bioinorganic Chemistry and Applications</i> , 2021, 2021, 1-12.	1.8	31
30	Recent Advances in Enzymes for the Bioremediation of Pollutants. <i>Biochemistry Research International</i> , 2021, 2021, 1-12.	1.5	49
31	Recent Advancements in Polythiophene-Based Materials and their Biomedical, Geno Sensor and DNA Detection. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6850.	1.8	31
32	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.	1.9	11
33	Trends in Natural Nutrients for Oxidative Stress and Cell Senescence. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-7.	1.9	15
34	Ultrasensitive Biomolecule-Free Nanosensor Based on β -Cyclodextrin/Quinoline Decorated Graphene Oxide toward Prompt and Differentiable Detection of Corona and Influenza Viruses. <i>Advanced Materials Technologies</i> , 2021, 6, 2100341.	3.0	13
35	Multifunctional Gold Nanorod for Therapeutic Applications and Pharmaceutical Delivery Considering Cellular Metabolic Responses, Oxidative Stress and Cellular Longevity. <i>Nanomaterials</i> , 2021, 11, 1868.	1.9	19
36	Precise Blood Glucose Sensing by Nitrogen-Doped Graphene Quantum Dots for Tight Control of Diabetes. <i>Journal of Sensors</i> , 2021, 2021, 1-14.	0.6	12

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37	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.	1.9	41
38	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.	0.5	21
39	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.	6.6	48
40	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.	2.7	31
41	Renewable Carbon Nanomaterials: Novel Resources for Dental Tissue Engineering. <i>Nanomaterials</i> , 2021, 11, 2800.	1.9	12
42	Graphene-Based Femtogram-Level Sensitive Molecularly Imprinted Polymer of SARS-CoV-2. <i>Advanced Materials Interfaces</i> , 2021, 8, 2101466.	1.9	20
43	In Silico Designing a Candidate Vaccine Against Breast Cancer. <i>International Journal of Peptide Research and Therapeutics</i> , 2020, 26, 369-380.	0.9	14
44	Data on cytotoxic and antibacterial activity of synthesized Fe ₃ O ₄ nanoparticles using <i>Malva sylvestris</i> . <i>Data in Brief</i> , 2020, 28, 104929.	0.5	39
45	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.	1.5	78
46	Asymmetric Membranes: A Potential Scaffold for Wound Healing Applications. <i>Symmetry</i> , 2020, 12, 1100.	1.1	43
47	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.	0.5	47
48	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.	2.0	72
49	Polythiophene silver bromide nanostructure as ultra-sensitive non-enzymatic electrochemical glucose biosensor. <i>European Polymer Journal</i> , 2020, 138, 109959.	2.6	13
50	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.	1.3	40
51	Development of graphene based nanocomposites towards medical and biological applications. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2020, 48, 1189-1205.	1.9	33
52	3D Nanostructures for Tissue Engineering, Cancer Therapy, and Gene Delivery. <i>Journal of Nanomaterials</i> , 2020, 2020, 1-24.	1.5	45
53	Picomolar-level detection of mercury within non-biological/biological aqueous media using ultra-sensitive polyaniline-Fe ₃ O ₄ -silver diethyldithiocarbamate nanostructure. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 5353-5365.	1.9	14
54	Gold nanostars-diagnosis, bioimaging and biomedical applications. <i>Drug Metabolism Reviews</i> , 2020, 52, 299-318.	1.5	71

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55	Superior X-ray Radiation Shielding Effectiveness of Biocompatible Polyaniline Reinforced with Hybrid Graphene Oxide-Iron Tungsten Nitride Flakes. <i>Polymers</i> , 2020, 12, 1407.	2.0	43
56	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.	2.6	78
57	Development of hydrophobic reduced graphene oxide as a new efficient approach for photochemotherapy. <i>RSC Advances</i> , 2020, 10, 12851-12863.	1.7	39
58	Removal of phenol and 1-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.	2.0	32
59	Current trends in chemical modifications of magnetic nanoparticles for targeted drug delivery in cancer chemotherapy. <i>Drug Metabolism Reviews</i> , 2020, 52, 205-224.	1.5	46
60	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.	0.9	41
61	Current Trends in the Detection of Biological Proteins and Immunological Assays using Graphene Quantum Dots. <i>Current Analytical Chemistry</i> , 2020, 17, .	0.6	0
62	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.	4.6	48
63	Emerging frontiers in drug release control by core-shell nanofibers: a review. <i>Drug Metabolism Reviews</i> , 2019, 51, 589-611.	1.5	29
64	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.	0.4	7
65	Zinc-based metal-organic frameworks as nontoxic and biodegradable platforms for biomedical applications: review study. <i>Drug Metabolism Reviews</i> , 2019, 51, 356-377.	1.5	64
66	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.	1.9	73
67	Applications of graphene oxide in case of nanomedicines and nanocarriers for biomolecules: review study. <i>Drug Metabolism Reviews</i> , 2019, 51, 12-41.	1.5	68
68	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.	1.5	44
69	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.	1.4	31
70	Development of Efficient Composites via Renewable, Recyclable, and Degradable Additives. , 2019, , .		0
71	Lead oxide-decorated graphene oxide/epoxy composite towards X-Ray radiation shielding. <i>Radiation Physics and Chemistry</i> , 2018, 146, 77-85.	1.4	70
72	Application of nanoparticles in cancer detection by Raman scattering based techniques. <i>Nano Reviews & Experiments</i> , 2018, 9, 1373551.	3.6	45

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73	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.	2.3	47
74	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.	0.8	14
75	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.	0.8	6
76	Nanosensors for Chemical and Biological and Medical Applications. , 2018, 08, .		40
77	Green synthesis of silver nanoparticles toward bio and medical applications: review study. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 855-872.	1.9	156
78	Octadecyl Amine Functionalized Graphene Oxide towards Hydrophobic Chemical Resistant Epoxy Nanocomposites. <i>ChemistrySelect</i> , 2018, 3, 7200-7207.	0.7	37
79	Polyethylenimine-based nanocarriers in co-delivery of drug and gene: a developing horizon. <i>Nano Reviews & Experiments</i> , 2018, 9, 1488497.	3.6	192
80	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.	0.2	28
81	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.	0.2	46
82	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.	0.8	16
83	Modification of Phenol Novolac Epoxy Resin and Unsaturated Polyester Using Sasobit and Silica Nanoparticles. <i>Polymers From Renewable Resources</i> , 2017, 8, 117-132.	0.8	21
84	Core-Shell Nanofibers: A New Horizon in Controlling the Drug Release. <i>Current Cancer Therapy Reviews</i> , 2017, 13, .	0.2	3
85	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.	0.8	15
86	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.	0.8	19
87	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.	3.8	39
88	Modifying the Properties of Polypropylene-Wood Composite by Natural Polymers and Eggshell Nano-Particles. <i>Polymers From Renewable Resources</i> , 2015, 6, 157-173.	0.8	6
89	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
90	Development of Clay Nanoparticles Toward Bio and Medical Applications. , 0, , .		19

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91	Conductive Polymers in Green Analytical Chemistry. ACS Symposium Series, 0, , 1-37.	0.5	3