

# Mohammad Rabiee

## 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.

89  
papers

2,829  
citations

31  
h-index

50  
g-index

100  
ext. papers

3,718  
ext. citations

6.9  
avg, IF

5.25  
L-index

#	Paper	IF	Citations
89	Synthesis, characterization and in vitro bioactivity of sol-gel-derived SiO <sub>2</sub> /CaO/B <sub>2</sub> O <sub>5</sub> /MgO bioglass. <i>Materials Science and Engineering C</i> , <b>2009</b> , 29, 335-340	8.3	177
88	Past, present, and future of global health financing: a review of development assistance, government, out-of-pocket, and other private spending on health for 195 countries, 1995-2050. <i>Lancet, The</i> , <b>2019</b> , 393, 2233-2260	40	158
87	Stimulus-responsive polymeric nanogels as smart drug delivery systems. <i>Acta Biomaterialia</i> , <b>2019</b> , 92, 1-18	10.8	149
86	The global burden of non-typhoidal salmonella invasive disease: a systematic analysis for the Global Burden of Disease Study 2017. <i>Lancet Infectious Diseases, The</i> , <b>2019</b> , 19, 1312-1324	25.5	128
85	The global burden of childhood and adolescent cancer in 2017: an analysis of the Global Burden of Disease Study 2017. <i>Lancet Oncology, The</i> , <b>2019</b> , 20, 1211-1225	21.7	107
84	Development of macroporous nanocomposite scaffolds of gelatin/bioactive glass prepared through layer solvent casting combined with lamination technique for bone tissue engineering. <i>Ceramics International</i> , <b>2010</b> , 36, 2431-2439	5.1	97
83	Biomimetic formation of apatite on the surface of porous gelatin/bioactive glass nanocomposite scaffolds. <i>Applied Surface Science</i> , <b>2010</b> , 257, 1740-1749	6.7	91
82	Mapping 123 million neonatal, infant and child deaths between 2000 and 2017. <i>Nature</i> , <b>2019</b> , 574, 353-358	58.4	87
81	Recent advances in porphyrin-based nanocomposites for effective targeted imaging and therapy. <i>Biomaterials</i> , <b>2020</b> , 232, 119707	15.6	81
80	A novel electrochemical biosensor based on FeO nanoparticles-polyvinyl alcohol composite for sensitive detection of glucose. <i>Analytical Biochemistry</i> , <b>2017</b> , 519, 19-26	3.1	72
79	Electrochemical biosensors based on nanofibres for cardiac biomarker detection: A comprehensive review. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 78, 513-523	11.8	69
78	Stimulus-Responsive Sequential Release Systems for Drug and Gene Delivery. <i>Nano Today</i> , <b>2020</b> , 34,	17.9	65
77	Point-of-Use Rapid Detection of SARS-CoV-2: Nanotechnology-Enabled Solutions for the COVID-19 Pandemic. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	61
76	Controllable synthesis, characterization and optical properties of ZnS:Mn nanoparticles as a novel biosensor. <i>Materials Science and Engineering C</i> , <b>2009</b> , 29, 1842-1848	8.3	60
75	Synthesis and solubility of calcium fluoride/hydroxy-fluorapatite nanocrystals for dental applications. <i>Ceramics International</i> , <b>2011</b> , 37, 2007-2014	5.1	58
74	Evaluation of glycated albumin (GA) and GA/HbA1c ratio for diagnosis of diabetes and glycemic control: A comprehensive review. <i>Critical Reviews in Clinical Laboratory Sciences</i> , <b>2017</b> , 54, 219-232	9.4	57
73	An electrochemical immunosensor for cardiac Troponin I using electrospun carboxylated multi-walled carbon nanotube-whiskered nanofibres. <i>Talanta</i> , <b>2018</b> , 182, 178-186	6.2	56

72	Glutaraldehyde crosslinked gelatin/hydroxyapatite nanocomposite scaffold, engineered via compound techniques. <i>Polymer Composites</i> , <b>2010</b> , 31, 2112-2120	3	50
71	Synthesis and characterization of nanocrystalline merwinite (Ca <sub>3</sub> Mg(SiO <sub>4</sub> ) <sub>2</sub> ) via sol-gel method. <i>Ceramics International</i> , <b>2011</b> , 37, 175-180	5.1	48
70	Nanomaterials-based electrochemical immunosensors for cardiac troponin recognition: An illustrated review. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2016</b> , 82, 337-347	14.6	47
69	Biodegradable Nanopolymers in Cardiac Tissue Engineering: From Concept Towards Nanomedicine. <i>International Journal of Nanomedicine</i> , <b>2020</b> , 15, 4205-4224	7.3	45
68	Burgeoning Polymer Nano Blends for Improved Controlled Drug Release: A Review. <i>International Journal of Nanomedicine</i> , <b>2020</b> , 15, 4363-4392	7.3	40
67	Early diagnosis of disease using microbead array technology: A review. <i>Analytica Chimica Acta</i> , <b>2018</b> , 1032, 1-17	6.6	40
66	Synthesis and characterization of doxorubicin-loaded poly(lactide-co-glycolide) nanoparticles as a sustained-release anticancer drug delivery system. <i>Applied Biochemistry and Biotechnology</i> , <b>2012</b> , 168, 1434-47	3.2	39
65	Development of an electrochemical sulfite biosensor by immobilization of sulfite oxidase on conducting polyaniline film. <i>Synthetic Metals</i> , <b>2010</b> , 160, 2653-2657	3.6	38
64	COVID-19 and picotechnology: Potential opportunities. <i>Medical Hypotheses</i> , <b>2020</b> , 144, 109917	3.8	36
63	Poly (ε-caprolactone) Fiber: An Overview. <i>Journal of Engineered Fibers and Fabrics</i> , <b>2014</b> , 9, 1558925014069900	3.0	36
62	Carbosilane dendrimers: Drug and gene delivery applications. <i>Journal of Drug Delivery Science and Technology</i> , <b>2020</b> , 59, 101879	4.5	34
61	Health sector spending and spending on HIV/AIDS, tuberculosis, and malaria, and development assistance for health: progress towards Sustainable Development Goal 3. <i>Lancet, The</i> , <b>2020</b> , 396, 693-724	4.0	32
60	Development of 3D Bioactive Nanocomposite Scaffolds Made from Gelatin and Nano Bioactive Glass for Biomedical Applications. <i>Advanced Composites Letters</i> , <b>2010</b> , 19, 096369351001900	1.2	32
59	Epidemiology of injuries from fire, heat and hot substances: global, regional and national morbidity and mortality estimates from the Global Burden of Disease 2017 study. <i>Injury Prevention</i> , <b>2020</b> , 26, i36-i45	3.2	30
58	Development of optical biosensor technologies for cardiac troponin recognition. <i>Analytical Biochemistry</i> , <b>2015</b> , 485, 1-10	3.1	29
57	Epidemiology of facial fractures: incidence, prevalence and years lived with disability estimates from the Global Burden of Disease 2017 study. <i>Injury Prevention</i> , <b>2020</b> , 26, i27-i35	3.2	28
56	Modification of PCL Electrospun Nanofibrous Mat With Calendula officinalis Extract for Improved Interaction With Cells. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , <b>2015</b> , 64, 459-464	3	26
55	Preparation and characterization of cardamom extract-loaded gelatin nanoparticles as effective targeted drug delivery system to treat glioblastoma. <i>Reactive and Functional Polymers</i> , <b>2017</b> , 120, 46-56	4.6	25

54	Preparation, Characterization and Controlled Release Investigation of Biocompatible pH-Sensitive PVA/PAA Hydrogels. <i>Macromolecular Symposia</i> , <b>2010</b> , 296, 457-465	0.8	25
53	Glycated hemoglobin-detection methods based on electrochemical biosensors. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2015</b> , 72, 53-67	14.6	24
52	A graphene basedBiomimetic molecularly imprinted polyaniline sensor for ultrasensitive detection of human cardiac troponin T (cTnT). <i>Synthetic Metals</i> , <b>2019</b> , 256, 116136	3.6	23
51	Development of chitosan/gelatin/keratin composite containing hydrocortisone sodium succinate as a buccal mucoadhesive patch to treat desquamative gingivitis. <i>Drug Development and Industrial Pharmacy</i> , <b>2018</b> , 44, 40-55	3.6	23
50	Green CoNi <sub>2</sub> S <sub>4</sub> /porphyrin decorated carbon-based nanocomposites for genetic materials detection. <i>Journal of Bioresources and Bioproducts</i> , <b>2021</b> , 6, 215-222	18.7	22
49	Multiplexed microarrays based on optically encoded microbeads. <i>Biomedical Microdevices</i> , <b>2018</b> , 20, 66	3.7	20
48	Polymeric Nanoparticles for Nasal Drug Delivery to the Brain: Relevance to Alzheimer's Disease. <i>Advanced Therapeutics</i> , <b>2021</b> , 4, 2000076	4.9	20
47	Micro-emulsion synthesis, surface modification, and photophysical properties of Zn(1-x) Mn(x)S nanocrystals for biomolecular recognition. <i>IEEE Transactions on Nanobioscience</i> , <b>2012</b> , 11, 317-23	3.4	19
46	Development of biphasic hydroxyapatite/dicalcium phosphate dihydrate (DCPD) bone graft using polyurethane foam template: in vitro and in vivo study. <i>Advances in Applied Ceramics</i> , <b>2011</b> , 110, 417-425	2.3	19
45	Aptamer Hybrid Nanocomplexes as Targeting Components for Antibiotic/Gene Delivery Systems and Diagnostics: A Review. <i>International Journal of Nanomedicine</i> , <b>2020</b> , 15, 4237-4256	7.3	18
44	Recent Advancements in aptamer-bioconjugates: Sharpening Stones for breast and prostate cancers targeting. <i>Journal of Drug Delivery Science and Technology</i> , <b>2019</b> , 53, 101146	4.5	18
43	Investigation of a Biosensor Based on Phenylalanine Dehydrogenase Immobilized on a Polymer-Blend Film for Phenylketonuria Diagnosis. <i>Electroanalysis</i> , <b>2012</b> , 24, 407-417	3	18
42	Ammonia-free method for synthesis of CdS nanocrystalline thin films through chemical bath deposition technique. <i>Solid State Communications</i> , <b>2009</b> , 149, 1765-1768	1.6	18
41	Producing gelatin nanoparticles as delivery system for bovine serum albumin. <i>Iranian Biomedical Journal</i> , <b>2014</b> , 18, 34-40	2	18
40	Nanoencapsulation of Hypericum perforatum and doxorubicin anticancer agents in PLGA nanoparticles through double emulsion technique. <i>Micro and Nano Letters</i> , <b>2013</b> , 8, 243-247	0.9	16
39	Nanotechnology-assisted microfluidic systems: from bench to bedside. <i>Nanomedicine</i> , <b>2021</b> , 16, 237-258	5.6	16
38	Mathematical modeling of drug release from biodegradable polymeric microneedles. <i>Bio-Design and Manufacturing</i> , <b>2019</b> , 2, 96-107	4.7	15
37	Response of human mesenchymal stem cells to patterned and randomly oriented poly(vinyl alcohol) nano-fibrous scaffolds surface-modified with Arg-Gly-Asp (RGD) ligand. <i>Applied Biochemistry and Biotechnology</i> , <b>2013</b> , 171, 1513-24	3.2	15

36	Green chemistry and coronavirus. <i>Sustainable Chemistry and Pharmacy</i> , <b>2021</b> , 21, 100415	3.9	15
35	Microfluidic devices with gold thin film channels for chemical and biomedical applications: a review. <i>Biomedical Microdevices</i> , <b>2019</b> , 21, 93	3.7	14
34	Multifactorial modeling and optimization of solution and electrospinning parameters to generate superfine polystyrene nanofibers. <i>Advances in Polymer Technology</i> , <b>2018</b> , 37, 2743-2755	1.9	13
33	Evaluation of wool nanoparticles incorporation in chitosan/gelatin composite films. <i>Journal of Applied Polymer Science</i> , <b>2014</b> , 131, n/a-n/a	2.9	11
32	Prevascularized Micro-/Nano-Sized Spheroid/Bead Aggregates for Vascular Tissue Engineering. <i>Nano-Micro Letters</i> , <b>2021</b> , 13, 182	19.5	10
31	Poly (lactide -co- glycolide) Fiber: An Overview. <i>Journal of Engineered Fibers and Fabrics</i> , <b>2014</b> , 9, 155892501400900	5.0	10
30	Early Diagnosis of Multiple Sclerosis Based on Optical and Electrochemical Biosensors: Comprehensive Perspective. <i>Current Analytical Chemistry</i> , <b>2020</b> , 16, 557-569	1.7	9
29	Application of Aptamer-based Hybrid Molecules in Early Diagnosis and Treatment of Diabetes Mellitus: From the Concepts Towards the Future. <i>Current Diabetes Reviews</i> , <b>2019</b> , 15, 309-313	2.7	8
28	The colorful world of carotenoids: a profound insight on therapeutics and recent trends in nano delivery systems. <i>Critical Reviews in Food Science and Nutrition</i> , <b>2021</b> , 1-40	11.5	8
27	Bioresorbable composite polymeric materials for tissue engineering applications. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , <b>2020</b> , 1-15	3	7
26	A Low Complexity NSAF Algorithm. <i>IEEE Signal Processing Letters</i> , <b>2012</b> , 19, 716-719	3.2	7
25	Preparation of and photo- and electroluminescence characteristics of ZnS:Cu phosphor. <i>Pigment and Resin Technology</i> , <b>2003</b> , 32, 358-363	1	6
24	Development of a nano biosensor for anti-gliadin detection for Celiac disease based on suspension microarrays. <i>Biomedical Physics and Engineering Express</i> , <b>2020</b> , 6, 055015	1.5	6
23	Electrochemical performance of nanofibrous highly flexible electrodes enhanced by different structural configurations. <i>Composites Science and Technology</i> , <b>2018</b> , 155, 81-90	8.6	6
22	A new method of biomolecular recognition of avidin by light scattering of ZnS:Mn nano-particles. <i>Pigment and Resin Technology</i> , <b>2008</b> , 37, 224-228	1	5
21	Porphyrin Molecules Decorated on Metal-Organic Frameworks for Multi-Functional Biomedical Applications. <i>Biomolecules</i> , <b>2021</b> , 11,	5.9	5
20	Application of the dry-spinning method to produce poly( $\epsilon$ -caprolactone) fibers containing bovine serum albumin laden gelatin nanoparticles. <i>Journal of Applied Polymer Science</i> , <b>2016</b> , 133,	2.9	4
19	An efficient covalent coating on glass slides for preparation of optical oligonucleotide microarrays. <i>Iranian Journal of Basic Medical Sciences</i> , <b>2013</b> , 16, 1259-65	1.8	3

18	Electrically Conductive Carbon-based (Bio)-nanomaterials for Cardiac Tissue Engineering. <i>Bioengineering and Translational Medicine</i> ,	14.8	3
17	A Perspective to the Correlation Between Brain Insulin Resistance and Alzheimer: Medicinal Chemistry Approach. <i>Current Diabetes Reviews</i> , <b>2019</b> , 15, 255-258	2.7	2
16	Development of electrochemical noninvasive glucose nanobiosensor using antioxidants as a novel mediator. <i>Asia-Pacific Journal of Chemical Engineering</i> , <b>2018</b> , 13, e2143	1.3	2
15	Application of response surface methodology to evaluate the effect of dry-spinning parameters on poly (ϵ-caprolactone) fiber properties. <i>Journal of Applied Polymer Science</i> , <b>2015</b> , 132, n/a-n/a	2.9	2
14	Rapid Electrochemical Ultra-Sensitive Evaluation and Determination of Daptomycin Based on Continuous Cyclic Voltammetry. <i>Current Pharmaceutical Analysis</i> , <b>2020</b> , 16, 181-185	0.6	2
13	Stimuli-responsive polymers: introduction		2
12	Green carbon-based nanocomposite biomaterials through the lens of microscopes. <i>Emergent Materials</i> , <b>2021</b> , 1	3.5	2
11	Bioactive hybrid metal-organic framework (MOF)-based nanosensors for optical detection of recombinant SARS-CoV-2 spike antigen.. <i>Science of the Total Environment</i> , <b>2022</b> , 153902	10.2	2
10	A Novel Graphene-Based Nanosensor for Detection of Ethanol Gas <b>2019</b> , 43, 2227-2237		1
9	Development of polymer-coated glass slides as optical oligonucleotide microarrays. <i>Avicenna Journal of Medical Biotechnology</i> , <b>2013</b> , 5, 241-50	1.4	1
8	Biocompatibility and Neuroprotective Potential of Encapsulated S-Allyl-L-Cysteine into PCL-based Nanocarrier. <i>Drug Delivery Letters</i> , <b>2018</b> , 8, 242-247	0.8	1
7	A novel glucose biosensor based on immobilization of glucose oxidase in iron oxide nanoparticles/poly(vinyl alcohol) nanocomposite film <b>2016</b> ,		1
6	Microarray technologies <b>2021</b> , 77-98		1
5	Green composites in bone tissue engineering. <i>Emergent Materials</i> , <b>2021</b> , 1	3.5	1
4	Novel platform based on polystyrene electrospun nanofibrous mats doped with PAMAM dendritic polymer for enhanced immunosensing. <i>Applied Surface Science</i> , <b>2022</b> , 579, 152221	6.7	0
3	Mission impossible for cellular internalization: When porphyrin alliance with UiO-66-NH <sub>2</sub> MOF gives the cell lines a ride. <i>Journal of Hazardous Materials</i> , <b>2022</b> , 436, 129259	12.8	0
2	Magnetic Stimuli-Responsive Cobalt Ferrite Nanoparticle as Theranostic agents for Targeted Delivery. <i>Current Nanomaterials</i> , <b>2019</b> , 3, 160-167	1.3	
1	Alendronate Sodium Intercalation in Layered Double Hydroxide/Poly (ϵ-caprolactone): Application in Osteoporosis Treatment. <i>Iranian Journal of Biotechnology</i> , <b>2021</b> , 19, e2490	1	

