

# Solmaz Maleki Dizaj

## List of Publications by Citations

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72  
papers

3,090  
citations

28  
h-index

55  
g-index

77  
ext. papers

4,098  
ext. citations

5  
avg, IF

5.84  
L-index

#	Paper	IF	Citations
72	Antimicrobial activity of the metals and metal oxide nanoparticles. <i>Materials Science and Engineering C</i> , <b>2014</b> , 44, 278-84	8.3	852
71	Effect of the surface modification, size, and shape on cellular uptake of nanoparticles. <i>Cell Biology International</i> , <b>2015</b> , 39, 881-90	4.5	291
70	Antimicrobial activity of carbon-based nanoparticles. <i>Advanced Pharmaceutical Bulletin</i> , <b>2015</b> , 5, 19-23	4.5	167
69	Calcium carbonate nanoparticles as cancer drug delivery system. <i>Expert Opinion on Drug Delivery</i> , <b>2015</b> , 12, 1649-60	8	144
68	A sight on the current nanoparticle-based gene delivery vectors. <i>Nanoscale Research Letters</i> , <b>2014</b> , 9, 252	5	140
67	Applications of nanotechnology in drug delivery to the central nervous system. <i>Biomedicine and Pharmacotherapy</i> , <b>2019</b> , 111, 666-675	7.5	123
66	Nanoparticles for antimicrobial purposes in Endodontics: A systematic review of in vitro studies. <i>Materials Science and Engineering C</i> , <b>2016</b> , 58, 1269-78	8.3	81
65	The promising future of nano-antioxidant therapy against environmental pollutants induced-toxicities. <i>Biomedicine and Pharmacotherapy</i> , <b>2018</b> , 103, 1018-1027	7.5	63
64	Application of nanoparticles in percutaneous delivery of active ingredients in cosmetic preparations. <i>Biomedicine and Pharmacotherapy</i> , <b>2018</b> , 106, 1499-1505	7.5	63
63	Detection of pathogenic bacteria via nanomaterials-modified aptasensors. <i>Biosensors and Bioelectronics</i> , <b>2020</b> , 150, 111933	11.8	62
62	Effect of silver nanoparticles in the induction of apoptosis on human hepatocellular carcinoma (HepG2) cell line. <i>Materials Science and Engineering C</i> , <b>2018</b> , 93, 465-471	8.3	60
61	Hepatoprotective and free radical scavenging actions of quercetin nanoparticles on aflatoxin B1-induced liver damage: in vitro/in vivo studies. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , <b>2018</b> , 46, 411-420	6.1	56
60	Anti-microbial activity of curcumin nanoformulations: New trends and future perspectives. <i>Phytotherapy Research</i> , <b>2020</b> , 34, 1926-1946	6.7	50
59	Targeted cancer drug delivery with aptamer-functionalized polymeric nanoparticles. <i>Journal of Drug Targeting</i> , <b>2019</b> , 27, 292-299	5.4	50
58	Overview of Nanoparticle Coating of Dental Implants for Enhanced Osseointegration and Antimicrobial Purposes. <i>Journal of Pharmacy and Pharmaceutical Sciences</i> , <b>2017</b> , 20, 148-160	3.4	49
57	Cell-penetrating peptides and their analogues as novel nanocarriers for drug delivery. <i>BioImpacts</i> , <b>2015</b> , 5, 103-11	3.5	47
56	The Use of Nanomaterials in Tissue Engineering for Cartilage Regeneration; Current Approaches and Future Perspectives. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	47

55	A short view on nanohydroxyapatite as coating of dental implants. <i>Biomedicine and Pharmacotherapy</i> , <b>2018</b> , 105, 553-557	7.5	47
54	An update on calcium carbonate nanoparticles as cancer drug/gene delivery system. <i>Expert Opinion on Drug Delivery</i> , <b>2019</b> , 16, 331-345	8	40
53	Ciprofloxacin HCl-loaded calcium carbonate nanoparticles: preparation, solid state characterization, and evaluation of antimicrobial effect against Staphylococcus aureus. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , <b>2017</b> , 45, 535-543	6.1	39
52	Nanofibrous asymmetric collagen/curcumin membrane containing aspirin-loaded PLGA nanoparticles for guided bone regeneration. <i>Scientific Reports</i> , <b>2020</b> , 10, 18200	4.9	37
51	Bioassay of saliva proteins: The best alternative for conventional methods in non-invasive diagnosis of cancer. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 124, 1246-1255	7.9	36
50	Molecular mechanisms of anticancer effect of rutin. <i>Phytotherapy Research</i> , <b>2020</b> , 35, 2500	6.7	32
49	A Comprehensive Review of Detection Methods for SARS-CoV-2. <i>Microorganisms</i> , <b>2021</b> , 9,	4.9	32
48	Physicochemical characterization and antimicrobial evaluation of gentamicin-loaded CaCO <sub>3</sub> nanoparticles prepared via microemulsion method. <i>Journal of Drug Delivery Science and Technology</i> , <b>2016</b> , 35, 16-23	4.5	31
47	The potential of nanomaterials in theranostics of oral squamous cell carcinoma: Recent progress. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2019</b> , 116, 167-176	14.6	29
46	Box-Behnken experimental design for preparation and optimization of ciprofloxacin hydrochloride-loaded CaCO <sub>3</sub> nanoparticles. <i>Journal of Drug Delivery Science and Technology</i> , <b>2015</b> , 29, 125-131	4.5	29
45	The effect of hyaluronic acid hydrogels on dental pulp stem cells behavior. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 140, 245-254	7.9	29
44	An Overview on Novel Microbial Determination Methods in Pharmaceutical and Food Quality Control. <i>Advanced Pharmaceutical Bulletin</i> , <b>2016</b> , 6, 301-308	4.5	28
43	The Potential Applications of Hyaluronic Acid Hydrogels in Biomedicine. <i>Drug Research</i> , <b>2020</b> , 70, 6-11	1.8	26
42	A review on potential toxicity of dental material and screening their biocompatibility. <i>Toxicology Mechanisms and Methods</i> , <b>2019</b> , 29, 368-377	3.6	26
41	Therapeutic benefits of rutin and its nanoformulations. <i>Phytotherapy Research</i> , <b>2021</b> , 35, 1719-1738	6.7	26
40	Application of Box-Behnken design to prepare gentamicin-loaded calcium carbonate nanoparticles. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , <b>2016</b> , 44, 1475-81	6.1	24
39	Stem Cell Therapy: Curcumin Does the Trick. <i>Phytotherapy Research</i> , <b>2019</b> , 33, 2927-2937	6.7	24
38	Role of vitamin D and vitamin D receptor (VDR) in oral cancer. <i>Biomedicine and Pharmacotherapy</i> , <b>2019</b> , 109, 391-401	7.5	24

37	Local treatment of the dental caries using nanomaterials. <i>Biomedicine and Pharmacotherapy</i> , <b>2018</b> , 108, 443-447	7.5	22
36	Current analytical approaches in diagnosis of melanoma. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2019</b> , 116, 122-135	14.6	21
35	Electrospun nanofibers as versatile platform in antimicrobial delivery: current state and perspectives. <i>Pharmaceutical Development and Technology</i> , <b>2019</b> , 24, 1187-1199	3.4	16
34	The role and therapeutic potential of connexins, pannexins and their channels in Parkinson's disease. <i>Cellular Signalling</i> , <b>2019</b> , 58, 111-118	4.9	13
33	Phytochemicals impact on osteogenic differentiation of mesenchymal stem cells. <i>BioFactors</i> , <b>2020</b> , 46, 874-893	6.1	12
32	Biocompatibility, cytotoxicity and antimicrobial effects of gentamicin-loaded CaCO <sub>3</sub> as a drug delivery to osteomyelitis. <i>Journal of Drug Delivery Science and Technology</i> , <b>2019</b> , 54, 101307	4.5	11
31	Antibacterial effect of nanocurcumin inside the implant fixture: An in vitro study. <i>Clinical and Experimental Dental Research</i> , <b>2021</b> , 7, 163-169	1.9	11
30	Osteogenic Differentiation of Mesenchymal Stem Cells via Curcumin-Containing Nanoscaffolds. <i>Stem Cells International</i> , <b>2021</b> , 2021, 1520052	5	11
29	Applications of Mesenchymal Stem Cells in Sinus Lift Augmentation as a Dental Implant Technology. <i>Stem Cells International</i> , <b>2018</b> , 2018, 3080139	5	8
28	Comparison of Antifungal Properties of Acrylic Resin Reinforced with ZnO and Ag Nanoparticles <b>2017</b> , 23, 207-214		7
27	Curcumin Nanocrystals: Production, Physicochemical Assessment, and In Vitro Evaluation of the Antimicrobial Effects against Bacterial Loading of the Implant Fixture. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 8356	2.6	7
26	Application of Advanced Nanomaterials for Kidney Failure Treatment and Regeneration. <i>Materials</i> , <b>2021</b> , 14,	3.5	7
25	The Application of Nanomaterials in Cardiovascular Diseases: A Review on Drugs and Devices. <i>Journal of Pharmacy and Pharmaceutical Sciences</i> , <b>2019</b> , 22, 501-515	3.4	5
24	Early Osteogenic Differentiation Stimulation of Dental Pulp Stem Cells by Calcitriol and Curcumin. <i>Stem Cells International</i> , <b>2021</b> , 2021, 9980137	5	5
23	Curcumin nanoformulations: Beneficial nanomedicine against cancer.. <i>Phytotherapy Research</i> , <b>2022</b> ,	6.7	4
22	Application of nanogels as drug delivery systems in multicellular spheroid tumor model. <i>Journal of Drug Delivery Science and Technology</i> , <b>2022</b> , 68, 103109	4.5	4
21	Biocompatibility, cytotoxicity and antibacterial effects of meropenem-loaded mesoporous silica nanoparticles against carbapenem-resistant. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , <b>2020</b> , 48, 1354-1361	6.1	4
20	Antibacterial agent-releasing scaffolds in dental tissue engineering. <i>Journal of Advanced Periodontology &amp; Implant Dentistry</i> , <b>2021</b> , 13, 43-47	0.1	3

19	A View on Polymerase Chain Reaction as an Outstanding Molecular Diagnostic Technique in Periodontology. <i>BioMed Research International</i> , <b>2021</b> , 2021, 9979948	3	3
18	Preparation, Physicochemical Assessment and the Antimicrobial Action of Hydroxyapatite-Gelatin/Curcumin Nanofibrous Composites as a Dental Biomaterial.. <i>Biomimetics</i> , <b>2021</b> , 7,	3.7	2
17	Safety and Toxicity Issues of Therapeutically Used Nanoparticles from the Oral Route. <i>BioMed Research International</i> , <b>2021</b> , 2021, 9322282	3	2
16	Antimicrobial and antibiofilm activities of meropenem loaded-mesoporous silica nanoparticles against carbapenem-resistant. <i>Journal of Biomaterials Applications</i> , <b>2021</b> , 36, 605-612	2.9	2
15	Nanomaterials for Chronic Kidney Disease Detection. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 9656	2.6	1
14	Evaluation the Antibacterial Effects of Two Commercial Products of Eucalyptus globulus Against Common Microbial Causes of Respiratory Tract Infections <b>2016</b> , 22, 285-290		1
13	The Comparison of Short-Term Postoperative Pain in Single- versus Multiple-Visit Root Canal Treatment: A Systematic Review and Meta-Analysis Study. <i>Pain Research and Management</i> , <b>2021</b> , 2021, 1-12	2.6	1
12	Oral delivery of solid lipid nanoparticles: underlining the physicochemical characteristics and physiological condition affecting the lipolysis rate. <i>Expert Opinion on Drug Delivery</i> , <b>2021</b> , 18, 1707-1722	8	1
11	Preparation, Characterization, and Evaluation of Rutin Nanocrystals as an Anticancer Agent against Head and Neck Squamous Cell Carcinoma Cell Line. <i>Journal of Nanomaterials</i> , <b>2021</b> , 2021, 1-8	3.2	1
10	Targeting Multidrug Resistance With Antimicrobial Peptide-Decorated Nanoparticles and Polymers.. <i>Frontiers in Microbiology</i> , <b>2022</b> , 13, 831655	5.7	1
9	Portland Cement: An Overview as a Root Repair Material.. <i>BioMed Research International</i> , <b>2022</b> , 2022, 3314912	3	0
8	Gelatin-hydroxyapatite nano-fibers as promising scaffolds for guided tissue regeneration (GTR): Preparation, assessment of the physicochemical properties and the effect on mesenchymal stem cells. <i>Journal of Advanced Periodontology &amp; Implant Dentistry</i> , <b>2020</b> , 12, 25-30	0.1	0
7	Influence of Curcumin Nanocrystals on the Early Osteogenic Differentiation and Proliferation of Dental Pulp Stem Cells. <i>Journal of Nanomaterials</i> , <b>2022</b> , 2022, 1-8	3.2	0
6	Effect of Adding Silica Nanoparticles on the Physicochemical Properties, Antimicrobial Action, and the Hardness of Dental Stone Type 4.. <i>International Journal of Dentistry</i> , <b>2022</b> , 2022, 4762017	1.9	0
5	Pharmaceutical and Medical Applications of Nanofibers <b>2017</b> , 1333-1357		
4	Pharmaceutical and Medical Applications of Nanofibers. <i>Advances in Medical Technologies and Clinical Practice Book Series</i> , <b>2017</b> , 338-363	0.3	
3	Antibacterial Activity of Anti-Aphthous Spray and Oral Drop: Two Thymus Commercial Products <b>2017</b> , 23, 166-169		
2	Effect of different geometric changes in the dental implant abutment body on the amount of residual excess cement and retention in a cemented implant-supported prosthesis. <i>Dental and Medical Problems</i> , <b>2021</b> , 58, 207-213	1.6	

- 1 Preparation and Assessment of Physicochemical Possessions, Solubility, and Antimicrobial Properties of Dental Prosthesis Glass Ionomer Cement Containing Curcumin Nanocrystals. *Journal of Nanomaterials*, **2022**, 2022, 1-9 3.2