

Solmaz Maleki Dizaj

List of Publications by Year in descending order

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Version: 2024-02-01

77
papers

5,179
citations

87723

38
h-index

88477

70
g-index

77
all docs

77
docs citations

77
times ranked

7889
citing authors

#	ARTICLE	IF	CITATIONS
1	Antimicrobial activity of the metals and metal oxide nanoparticles. <i>Materials Science and Engineering C</i> , 2014, 44, 278-284.	3.8	1,231
2	Effect of the surface modification, size, and shape on cellular uptake of nanoparticles. <i>Cell Biology International</i> , 2015, 39, 881-890.	1.4	416
3	Calcium carbonate nanoparticles as cancer drug delivery system. <i>Expert Opinion on Drug Delivery</i> , 2015, 12, 1649-1660.	2.4	216
4	Applications of nanotechnology in drug delivery to the central nervous system. <i>Biomedicine and Pharmacotherapy</i> , 2019, 111, 666-675.	2.5	211
5	Antimicrobial activity of carbon-based nanoparticles. <i>Advanced Pharmaceutical Bulletin</i> , 2015, 5, 19-23.	0.6	207
6	A sight on the current nanoparticle-based gene delivery vectors. <i>Nanoscale Research Letters</i> , 2014, 9, 252.	3.1	170
7	Nanoparticles for antimicrobial purposes in Endodontics: A systematic review of in vitro studies. <i>Materials Science and Engineering C</i> , 2016, 58, 1269-1278.	3.8	118
8	Detection of pathogenic bacteria via nanomaterials-modified aptasensors. <i>Biosensors and Bioelectronics</i> , 2020, 150, 111933.	5.3	118
9	Therapeutic benefits of rutin and its nanoformulations. <i>Phytotherapy Research</i> , 2021, 35, 1719-1738.	2.8	113
10	The promising future of nano-antioxidant therapy against environmental pollutants induced-toxicities. <i>Biomedicine and Pharmacotherapy</i> , 2018, 103, 1018-1027.	2.5	97
11	Effect of silver nanoparticles in the induction of apoptosis on human hepatocellular carcinoma (HepG2) cell line. <i>Materials Science and Engineering C</i> , 2018, 93, 465-471.	3.8	97
12	Application of nanoparticles in percutaneous delivery of active ingredients in cosmetic preparations. <i>Biomedicine and Pharmacotherapy</i> , 2018, 106, 1499-1505.	2.5	96
13	Anti-microbial activity of curcumin nanoformulations: New trends and future perspectives. <i>Phytotherapy Research</i> , 2020, 34, 1926-1946.	2.8	96
14	Molecular mechanisms of anticancer effect of rutin. <i>Phytotherapy Research</i> , 2021, 35, 2500-2513.	2.8	93
15	Hepatoprotective and free radical scavenging actions of quercetin nanoparticles on aflatoxin B1-induced liver damage: <i>in vitro</i> / <i>in vivo</i> studies. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 411-420.	1.9	88
16	The Use of Nanomaterials in Tissue Engineering for Cartilage Regeneration; Current Approaches and Future Perspectives. <i>International Journal of Molecular Sciences</i> , 2020, 21, 536.	1.8	86
17	An update on calcium carbonate nanoparticles as cancer drug/gene delivery system. <i>Expert Opinion on Drug Delivery</i> , 2019, 16, 331-345.	2.4	85
18	Nanofibrous asymmetric collagen/curcumin membrane containing aspirin-loaded PLGA nanoparticles for guided bone regeneration. <i>Scientific Reports</i> , 2020, 10, 18200.	1.6	85

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19	Targeted cancer drug delivery with aptamer-functionalized polymeric nanoparticles. <i>Journal of Drug Targeting</i> , 2019, 27, 292-299.	2.1	78
20	Overview of Nanoparticle Coating of Dental Implants for Enhanced Osseointegration and Antimicrobial Purposes. <i>Journal of Pharmacy and Pharmaceutical Sciences</i> , 2017, 20, 148.	0.9	77
21	A Comprehensive Review of Detection Methods for SARS-CoV-2. <i>Microorganisms</i> , 2021, 9, 232.	1.6	74
22	A short view on nanohydroxyapatite as coating of dental implants. <i>Biomedicine and Pharmacotherapy</i> , 2018, 105, 553-557.	2.5	71
23	The Potential Applications of Hyaluronic Acid Hydrogels in Biomedicine. <i>Drug Research</i> , 2020, 70, 6-11.	0.7	69
24	Bioassay of saliva proteins: The best alternative for conventional methods in non-invasive diagnosis of cancer. <i>International Journal of Biological Macromolecules</i> , 2019, 124, 1246-1255.	3.6	63
25	The effect of hyaluronic acid hydrogels on dental pulp stem cells behavior. <i>International Journal of Biological Macromolecules</i> , 2019, 140, 245-254.	3.6	61
26	Cell-penetrating peptides and their analogues as novel nanocarriers for drug delivery. <i>BiolImpacts</i> , 2015, 5, 103-111.	0.7	59
27	Ciprofloxacin HCl-loaded calcium carbonate nanoparticles: preparation, solid state characterization, and evaluation of antimicrobial effect against <i>Staphylococcus aureus</i> . <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2017, 45, 535-543.	1.9	59
28	Curcumin nanoformulations: Beneficial nanomedicine against cancer. <i>Phytotherapy Research</i> , 2022, 36, 1156-1181.	2.8	55
29	A review on potential toxicity of dental material and screening their biocompatibility. <i>Toxicology Mechanisms and Methods</i> , 2019, 29, 368-377.	1.3	51
30	Current analytical approaches in diagnosis of melanoma. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 116, 122-135.	5.8	50
31	The potential of nanomaterials in theranostics of oral squamous cell carcinoma: Recent progress. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 116, 167-176.	5.8	49
32	Role of vitamin D and vitamin D receptor (VDR) in oral cancer. <i>Biomedicine and Pharmacotherapy</i> , 2019, 109, 391-401.	2.5	48
33	Osteogenic Differentiation of Mesenchymal Stem Cells via Curcumin-Containing Nanoscaffolds. <i>Stem Cells International</i> , 2021, 2021, 1-9.	1.2	48
34	Stem Cell Therapy: Curcumin Does the Trick. <i>Phytotherapy Research</i> , 2019, 33, 2927-2937.	2.8	47
35	An Overview on Novel Microbial Determination Methods in Pharmaceutical and Food Quality Control. <i>Advanced Pharmaceutical Bulletin</i> , 2016, 6, 301-308.	0.6	46
36	Local treatment of the dental caries using nanomaterials. <i>Biomedicine and Pharmacotherapy</i> , 2018, 108, 443-447.	2.5	44

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37	Physicochemical characterization and antimicrobial evaluation of gentamicin-loaded CaCO ₃ nanoparticles prepared via microemulsion method. <i>Journal of Drug Delivery Science and Technology</i> , 2016, 35, 16-23.	1.4	42
38	Box-Behnken experimental design for preparation and optimization of ciprofloxacin hydrochloride-loaded CaCO ₃ nanoparticles. <i>Journal of Drug Delivery Science and Technology</i> , 2015, 29, 125-131.	1.4	39
39	Electrospun nanofibers as versatile platform in antimicrobial delivery: current state and perspectives. <i>Pharmaceutical Development and Technology</i> , 2019, 24, 1187-1199.	1.1	34
40	Phytochemicals impact on osteogenic differentiation of mesenchymal stem cells. <i>BioFactors</i> , 2020, 46, 874-893.	2.6	31
41	Application of Box-Behnken design to prepare gentamicin-loaded calcium carbonate nanoparticles. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2016, 44, 1475-1481.	1.9	30
42	Application of Advanced Nanomaterials for Kidney Failure Treatment and Regeneration. <i>Materials</i> , 2021, 14, 2939.	1.3	28
43	Antibacterial effect of nanocurcumin inside the implant fixture: An in vitro study. <i>Clinical and Experimental Dental Research</i> , 2021, 7, 163-169.	0.8	25
44	The role and therapeutic potential of connexins, pannexins and their channels in Parkinson's disease. <i>Cellular Signalling</i> , 2019, 58, 111-118.	1.7	24
45	Biocompatibility, cytotoxicity and antimicrobial effects of gentamicin-loaded CaCO ₃ as a drug delivery to osteomyelitis. <i>Journal of Drug Delivery Science and Technology</i> , 2019, 54, 101307.	1.4	22
46	Early Osteogenic Differentiation Stimulation of Dental Pulp Stem Cells by Calcitriol and Curcumin. <i>Stem Cells International</i> , 2021, 2021, 1-7.	1.2	22
47	Application of nanogels as drug delivery systems in multicellular spheroid tumor model. <i>Journal of Drug Delivery Science and Technology</i> , 2022, 68, 103109.	1.4	20
48	Biocompatibility, cytotoxicity and antibacterial effects of meropenem-loaded mesoporous silica nanoparticles against carbapenem-resistant <i>Enterobacteriaceae</i> . <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2020, 48, 1354-1361.	1.9	17
49	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> , 2020, 10, 8356.	1.3	16
50	Preparation, Physicochemical Assessment and the Antimicrobial Action of Hydroxyapatite-Gelatin/Curcumin Nanofibrous Composites as a Dental Biomaterial. <i>Biomimetics</i> , 2022, 7, 4.	1.5	16
51	The Application of Nanomaterials in Cardiovascular Diseases: A Review on Drugs and Devices. <i>Journal of Pharmacy and Pharmaceutical Sciences</i> , 0, 22, 501-515.	0.9	13
52	Nanomaterials for Chronic Kidney Disease Detection. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 9656.	1.3	13
53	Application of Collagen and Mesenchymal Stem Cells in Regenerative Dentistry. <i>Current Stem Cell Research and Therapy</i> , 2022, 17, 606-620.	0.6	12
54	Safety and Toxicity Issues of Therapeutically Used Nanoparticles from the Oral Route. <i>BioMed Research International</i> , 2021, 2021, 1-14.	0.9	11

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55	Portland Cement: An Overview as a Root Repair Material. <i>BioMed Research International</i> , 2022, 2022, 1-13.	0.9	11
56	Comparison of Antifungal Properties of Acrylic Resin Reinforced with ZnO and Ag Nanoparticles. <i>Pharmaceutical Sciences</i> , 2017, 23, 207-214.	0.1	10
57	Applications of Mesenchymal Stem Cells in Sinus Lift Augmentation as a Dental Implant Technology. <i>Stem Cells International</i> , 2018, 2018, 1-7.	1.2	8
58	Oral delivery of solid lipid nanoparticles: underlining the physicochemical characteristics and physiological condition affecting the lipolysis rate. <i>Expert Opinion on Drug Delivery</i> , 2021, 18, 1707-1722.	2.4	8
59	Antimicrobial and antibiofilm activities of meropenem loaded-mesoporous silica nanoparticles against carbapenem-resistant <i>Pseudomonas aeruginosa</i> . <i>Journal of Biomaterials Applications</i> , 2021, 36, 088532822110038.	1.2	7
60	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> , 2021, 2021, 1-8.	1.5	6
61	Targeting Multidrug Resistance With Antimicrobial Peptide-Decorated Nanoparticles and Polymers. <i>Frontiers in Microbiology</i> , 2022, 13, 831655.	1.5	6
62	Antibacterial agent-releasing scaffolds in dental tissue engineering. <i>Journal of Advanced Periodontology & Implant Dentistry</i> , 2021, 13, 43-47.	0.2	5
63	Influence of Curcumin Nanocrystals on the Early Osteogenic Differentiation and Proliferation of Dental Pulp Stem Cells. <i>Journal of Nanomaterials</i> , 2022, 2022, 1-8.	1.5	5
64	Potential applications of medicinal herbs and phytochemicals in oral and dental health: Status quo and future perspectives. <i>Oral Diseases</i> , 2023, 29, 2468-2482.	1.5	5
65	A View on Polymerase Chain Reaction as an Outstanding Molecular Diagnostic Technique in Periodontology. <i>BioMed Research International</i> , 2021, 2021, 1-8.	0.9	4
66	Effect of Curcumin on the Head and Neck Squamous Cell Carcinoma Cell Line HN5. <i>Current Molecular Pharmacology</i> , 2023, 16, 374-380.	0.7	4
67	Antimicrobial Benefits of Flavonoids and their Nanoformulations. <i>Current Pharmaceutical Design</i> , 2022, 28, 1419-1432.	0.9	4
68	Preparation and Assessment of Physicochemical Possessions, Solubility, and Antimicrobial Properties of Dental Prosthesis Glass Ionomer Cement Containing Curcumin Nanocrystals. <i>Journal of Nanomaterials</i> , 2022, 2022, 1-9.	1.5	3
69	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> , 2021, 2021, 1-12.	0.7	2
70	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 & Implant Dentistry</i> , 2020, 12, 25-30.	0.2	2
71	Evaluation the Antibacterial Effects of Two Commercial Products of <i>Eucalyptus globulus</i> Against Common Microbial Causes of Respiratory Tract Infections. <i>Pharmaceutical Sciences</i> , 2016, 22, 285-290.	0.1	1
72	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> , 2022, 2022, 1-8.	0.5	1

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73	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. Dental and Medical Problems, 2021, 58, 0-0.	0.7	0
74	Pharmaceutical and Medical Applications of Nanofibers. , 2017, , 1333-1357.		0
75	Pharmaceutical and Medical Applications of Nanofibers. Advances in Medical Technologies and Clinical Practice Book Series, 2017, , 338-363.	0.3	0
76	Antibacterial Activity of Anti-Aphthous Spray and Oral Drop: Two Thymus Commercial Products. Pharmaceutical Sciences, 2017, 23, 166-169.	0.1	0
77	Safety Issues of Nanomaterials for Dermal Pharmaceutical Products. Pharmaceutical Nanotechnology, 2022, 10, 334-341.	0.6	0