Majid Sharifi

List of Publications by Year in descending order

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58 papers	2,368 citations	218677 26 h-index	214800 47 g-index
58 all docs	58 docs citations	58 times ranked	3134 citing authors

#	Article	IF	Citations
1	A review on the cleavage priming of the spike protein on coronavirus by angiotensin-converting enzyme-2 and furin. Journal of Biomolecular Structure and Dynamics, 2021, 39, 3025-3033.	3.5	230
2	Plasmonic gold nanoparticles: Optical manipulation, imaging, drug delivery and therapy. Journal of Controlled Release, 2019, 311-312, 170-189.	9.9	195
3	Electrospun chitosan membranes containing bioactive and therapeutic agents for enhanced wound healing. International Journal of Biological Macromolecules, 2020, 156, 153-170.	7.5	171
4	Cancer diagnosis using nanomaterials based electrochemical nanobiosensors. Biosensors and Bioelectronics, 2019, 126, 773-784.	10.1	146
5	Nanozymes with intrinsic peroxidase-like activities. Journal of Molecular Liquids, 2019, 278, 130-144.	4.9	110
6	Enzyme immobilization onto the nanomaterials: Application in enzyme stability and prodrug-activated cancer therapy. International Journal of Biological Macromolecules, 2020, 143, 665-676.	7.5	89
7	Gold nanomaterials as key suppliers in biological and chemical sensing, catalysis, and medicine. Biochimica Et Biophysica Acta - General Subjects, 2020, 1864, 129435.	2.4	86
8	Gold nanozyme: Biosensing and therapeutic activities. Materials Science and Engineering C, 2020, 108, 110422.	7.3	83
9	A health concern regarding the protein corona, aggregation and disaggregation. Biochimica Et Biophysica Acta - General Subjects, 2019, 1863, 971-991.	2.4	71
10	Targeting SARS-CoV2 Spike Protein Receptor Binding Domain by Therapeutic Antibodies. Biomedicine and Pharmacotherapy, 2020, 130, 110559.	5.6	64
11	Antioxidant properties of gold nanozyme: A review. Journal of Molecular Liquids, 2020, 297, 112004.	4.9	56
12	Plasmonic and chiroplasmonic nanobiosensors based on gold nanoparticles. Talanta, 2020, 212, 120782.	5.5	52
13	Polymeric-based microneedle arrays as potential platforms in the development of drugs delivery systems. Journal of Advanced Research, 2020, 26, 137-147.	9.5	50
14	Nanozyme-based sensing platforms for detection of toxic mercury ions: An alternative approach to conventional methods. Talanta, 2020, 215, 120939.	5.5	48
15	Involvement of planned cell death of necroptosis in cancer treatment by nanomaterials: Recent advances and future perspectives. Journal of Controlled Release, 2019, 299, 121-137.	9.9	47
16	Cerium oxide NPs mitigate the amyloid formation of Î±-synuclein and associated cytotoxicity . International Journal of Nanomedicine, 2019, Volume 14, 6989-7000.	6.7	44
17	Combined chemo-magneticÂfield-photothermal breast cancer therapy based on porous magnetite nanospheres. Scientific Reports, 2020, 10, 5925.	3.3	44
18	Development of point-of-care nanobiosensors for breast cancers diagnosis. Talanta, 2020, 217, 121091.	5.5	40

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19	Antimetastatic Activity of Lactoferrin-Coated Mesoporous Maghemite Nanoparticles in Breast Cancer Enabled by Combination Therapy. ACS Biomaterials Science and Engineering, 2020, 6, 3574-3584.	5.2	39
20	Diagnostic and drug release systems based on microneedle arrays in breast cancer therapy. Journal of Controlled Release, 2021, 338, 341-357.	9.9	36
21	Novel therapeutic strategies for Alzheimer's disease: Implications from cell-based therapy and nanotherapy. Nanomedicine: Nanotechnology, Biology, and Medicine, 2020, 24, 102149.	3.3	35
22	Magnetic nanocatalysts as multifunctional platforms in cancer therapy through the synthesis of anticancer drugs and facilitated Fenton reaction. Journal of Advanced Research, 2021, 30, 171-184.	9.5	33
23	An Updated Review on EPR-Based Solid Tumor Targeting Nanocarriers for Cancer Treatment. Cancers, 2022, 14, 2868.	3.7	32
24	Exosomes: Multiple-targeted multifunctional biological nanoparticles in the diagnosis, drug delivery, and imaging of cancer cells. Biomedicine and Pharmacotherapy, 2020, 129, 110442.	5.6	31
25	Gold Nanoparticle-Based Platforms for Diagnosis and Treatment of Myocardial Infarction. ACS Biomaterials Science and Engineering, 2020, 6, 6460-6477.	5.2	30
26	Development of remdesivir repositioning as a nucleotide analog against COVID-19 RNA dependent RNA polymerase. Journal of Biomolecular Structure and Dynamics, 2021, 39, 3771-3779.	3.5	30
27	In vivo guiding inorganic nanozymes for biosensing and therapeutic potential in cancer, inflammation and microbial infections. Talanta, 2021, 224, 121805.	5.5	27
28	The expression level of angiotensin-converting enzyme 2 determines the severity of COVID-19: lung and heart tissue as targets. Journal of Biomolecular Structure and Dynamics, 2021, 39, 3780-3786.	3.5	26
29	Rapid diagnostics of coronavirus disease 2019 in early stages using nanobiosensors: Challenges and opportunities. Talanta, 2021, 223, 121704.	5.5	26
30	Enzymeâ€“polymeric/inorganic metal oxide/hybrid nanoparticle bio-conjugates in the development of therapeutic and biosensing platforms. Journal of Advanced Research, 2021, 33, 227-239.	9.5	25
31	A review of the berberine natural polysaccharide nanostructures as potential anticancer and antibacterial agents. Biomedicine and Pharmacotherapy, 2022, 146, 112531.	5.6	25
32	Exploring the Interaction of Cobalt Oxide Nanoparticles with Albumin, Leukemia Cancer Cells and Pathogenic Bacterial by Multispectroscopic, Docking, Cellular and Antibacterial Approaches . International Journal of Nanomedicine, 2020, Volume 15, 4607-4623.	6.7	24
33	3D bioprinting of engineered breast cancer constructs for personalized and targeted cancer therapy. Journal of Controlled Release, 2021, 333, 91-106.	9.9	24
34	Fabrication and evaluation of anti-cancer efficacy of lactoferrin-coated maghemite and magnetite nanoparticles. Journal of Biomolecular Structure and Dynamics, 2020, 38, 2945-2954.	3.5	23
35	Strategies of enzyme immobilization on nanomatrix supports and their intracellular delivery. Journal of Biomolecular Structure and Dynamics, 2020, 38, 2746-2762.	3.5	21
36	Application of gelatin nanoconjugates as potential internal stimuli-responsive platforms for cancer drug delivery. Journal of Molecular Liquids, 2020, 318, 114053.	4.9	20

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37	A review on the interaction of nucleoside analogues with SARS-CoV-2 RNA dependent RNA polymerase. International Journal of Biological Macromolecules, 2021, 181, 605-611.	7.5	20
38	Explaining chemical clues of metal organic framework-nanozyme nano-/micro-motors in targeted treatment of cancers: benchmarks and challenges. Journal of Nanobiotechnology, 2022, 20, 153.	9.1	20
39	Silymarin-albumin nanoplex: Preparation and its potential application as an antioxidant in nervous system in vitro and in vivo. International Journal of Pharmaceutics, 2019, 572, 118824.	5.2	18
40	Exploring the interaction of synthesized nickel oxide nanoparticles through hydrothermal method with hemoglobin and lymphocytes: Bio-thermodynamic and cellular studies. Journal of Molecular Liquids, 2020, 317, 113893.	4.9	16
41	Silybin as a potent inhibitor of a-synuclein aggregation and associated cytotoxicity against neuroblastoma cells induced by zinc oxide nanoparticles. Journal of Molecular Liquids, 2020, 310, 113198.	4.9	16
42	Thermodynamic and anticancer properties of inorganic zinc oxide nanoparticles synthesized through co-precipitation method. Journal of Molecular Liquids, 2021, 330, 115602.	4.9	16
43	Criteria, Challenges, and Opportunities for Acellularized Allogeneic/Xenogeneic Bone Grafts in Bone Repairing. ACS Biomaterials Science and Engineering, 2022, 8, 3199-3219.	5.2	16
44	Polymeric micelles functionalized with cell penetrating peptides as potential pH-sensitive platforms in drug delivery for cancer therapy: A review. Arabian Journal of Chemistry, 2021, 14, 103264.	4.9	15
45	A review on the therapeutic applications of aptamers and aptamer-conjugated nanoparticles in cancer, inflammatory and viral diseases. Arabian Journal of Chemistry, 2022, 15, 103626.	4.9	15
46	5-Fluorouracil-containing inorganic iron oxide/platinum nanozymes with dual drug delivery and enzyme-like activity for the treatment of breast cancer. Arabian Journal of Chemistry, 2022, 15, 103966.	4.9	12
47	Vitamin K1 As A Potential Molecule For Reducing Single-Walled Carbon Nanotubes-Stimulated Î±-Synuclein Structural Changes And Cytotoxicity . International Journal of Nanomedicine, 2019, Volume 14, 8433-8444.	6.7	11
48	The effects of nickel oxide nanoparticles on structural changes, heme degradation, aggregation of hemoglobin and expression of apoptotic genes in lymphocytes. Journal of Biomolecular Structure and Dynamics, 2020, 38, 3676-3686.	3.5	10
49	Biothermodynamic, antiproliferative and antimicrobial properties of synthesized copper oxide nanoparticles. Journal of Molecular Liquids, 2021, 324, 114693.	4.9	9
50	Hydrothermal method-based synthesized tin oxide nanoparticles: Albumin binding and antiproliferative activity against K562 cells. Materials Science and Engineering C, 2021, 119, 111649.	7.3	9
51	Non-viral delivery systems of DNA into stem cells: Promising and multifarious actions for regenerative medicine. Journal of Drug Delivery Science and Technology, 2020, 60, 101861.	3.0	8
52	Nitrate supplementation at two forage levels in dairy cows feeding: milk production and composition, fatty acid profiles, blood metabolites, ruminal fermentation, and hydrogen sink. Annals of Animal Science, 2022, 22, 711-722.	1.6	7
53	Fabrication of inorganic alumina particles at nanoscale by a pulsed laser ablation technique in liquid and exploring their protein binding, anticancer and antipathogenic activities. Arabian Journal of Chemistry, 2021, 14, 102923.	4.9	5
54	Exploring the interaction of quercetin-3-O-sophoroside with SARS-CoV-2 main proteins by theoretical studies: A probable prelude to control some variants of coronavirus including Delta. Arabian Journal of Chemistry, 2021, 14, 103353.	4.9	4

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55	Effects of diets containing alfalfa hay or barley flour mixed alfalfa silage on feeding behavior, productivity, rumen fermentation and blood metabolites in lactating cows. Animal Science Journal, 2009, 80, 403-410.	1.4	3
56	Effects of nitrate supplementation and forage level on gas production, nitrogen balance and dry-matter degradation in sheep. Animal Production Science, 2019, 59, 515.	1.3	2
57	The therapeutic effects of tumor treating fields on cancer and noncancerous cells. Arabian Journal of Chemistry, 2021, 14, 103386.	4.9	2
58	Influence of nitrate supplementation on in-vitro methane emission, milk production, ruminal fermentation, and microbial methanotrophs in dairy cows fed at two forage levels. Annals of Animal Science, 2022, 22, 1015-1026.	1.6	1