

Ahmad Reza Shahverdi

List of Publications by Year in descending order

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63
papers

2,829
citations

186265
28
h-index

175258
52
g-index

63
all docs

63
docs citations

63
times ranked

3682
citing authors

#	ARTICLE	IF	CITATIONS
1	Antioxidant and cytotoxic effect of biologically synthesized selenium nanoparticles in comparison to selenium dioxide. <i>Journal of Trace Elements in Medicine and Biology</i> , 2014, 28, 75-79.	3.0	216
2	Biosynthesis of selenium nanoparticles using <i>Klebsiella pneumoniae</i> and their recovery by a simple sterilization process. <i>Brazilian Journal of Microbiology</i> , 2010, 41, 461-466.	2.0	179
3	Protection of cisplatin-induced spermatotoxicity, DNA damage and chromatin abnormality by selenium nano-particles. <i>Toxicology and Applied Pharmacology</i> , 2013, 266, 356-365.	2.8	160
4	Purification and biochemical characterization of extracellular laccase from the ascomycete <i>Paraconiothyrium variable</i> . <i>Bioresource Technology</i> , 2011, 102, 1808-1814.	9.6	153
5	Biosynthesis and recovery of selenium nanoparticles and the effects on matrix metalloproteinase-2 expression. <i>Biotechnology and Applied Biochemistry</i> , 2010, 56, 7-15.	3.1	151
6	Acute and subacute toxicity of novel biogenic selenium nanoparticles in mice. <i>Pharmaceutical Biology</i> , 2013, 51, 58-63.	2.9	146
7	Efficacy of biogenic selenium nanoparticles against <i>Leishmania major</i> : In vitro and in vivo studies. <i>Journal of Trace Elements in Medicine and Biology</i> , 2013, 27, 203-207.	3.0	125
8	Green synthesis of gold nanoparticles by the marine microalga <i>Tetraselmis suecica</i> . <i>Biotechnology and Applied Biochemistry</i> , 2010, 57, 71-75.	3.1	106
9	The Immunostimulatory Effect of Biogenic Selenium Nanoparticles on the 4T1 Breast Cancer Model: an In Vivo Study. <i>Biological Trace Element Research</i> , 2012, 149, 22-28.	3.5	98
10	Selenium nanoparticle-enriched <i>Lactobacillus brevis</i> causes more efficient immune responses in vivo and reduces the liver metastasis in metastatic form of mouse breast cancer. <i>DARU, Journal of Pharmaceutical Sciences</i> , 2013, 21, 33.	2.0	97
11	Biosynthesis and recovery of rod-shaped tellurium nanoparticles and their bactericidal activities. <i>Materials Research Bulletin</i> , 2012, 47, 3719-3725.	5.2	93
12	Isolation, one-step affinity purification, and characterization of a polyextremotolerant laccase from the halophilic bacterium <i>Aquasalibacillus elongatus</i> and its application in the delignification of sugar beet pulp. <i>Bioresource Technology</i> , 2017, 230, 67-75.	9.6	82
13	The antimicrobial effects of selenium nanoparticle-enriched probiotics and their fermented broth against <i>Candida albicans</i> . <i>DARU, Journal of Pharmaceutical Sciences</i> , 2014, 22, 48.	2.0	77
14	Amelioration of experimental colitis by a novel nanoselenium-silymarin mixture. <i>Toxicology Mechanisms and Methods</i> , 2011, 21, 200-208.	2.7	71
15	Biosynthesis of selenium nanoparticles using <i>Klebsiella pneumoniae</i> and their recovery by a simple sterilization process. <i>Brazilian Journal of Microbiology</i> , 2010, 41, 461-6.	2.0	69
16	Biochemical characterization of an extracellular polyextremophilic α -amylase from the halophilic archaeon <i>Halorubrum xinjiangense</i> . <i>Extremophiles</i> , 2013, 17, 677-687.	2.3	60
17	Galbanic Acid from <i>Ferula szowitsiana</i> Enhanced the Antibacterial Activity of Penicillin G and Cephalexin against <i>Staphylococcus aureus</i> . <i>Biological and Pharmaceutical Bulletin</i> , 2007, 30, 1805-1807.	1.4	58
18	Purification and characterization of two extracellular endochitinases from <i>Massilia timonae</i> . <i>Carbohydrate Research</i> , 2010, 345, 402-407.	2.3	54

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19	Screening of Medicinal Plant Methanol Extracts for the Synthesis of Gold Nanoparticles by Their Reducing Potential. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2008, 63, 903-908.	0.7	46
20	Genetically engineered phage harbouring the lethal catabolite gene activator protein gene with an inducer-independent promoter for biocontrol of <i>Escherichia coli</i> . <i>FEMS Microbiology Letters</i> , 2009, 296, 67-71.	1.8	43
21	Enhancing activity and thermostability of lipase A from <i>Serratia marcescens</i> by site-directed mutagenesis. <i>Enzyme and Microbial Technology</i> , 2016, 93-94, 18-28.	3.2	40
22	The combination effects of trivalent gold ions and gold nanoparticles with different antibiotics against resistant <i>Pseudomonas aeruginosa</i> . <i>Gold Bulletin</i> , 2012, 45, 53-59.	2.4	39
23	Effect of selenium supplementation with sodium selenite and selenium nanoparticles on iron homeostasis and transferrin gene expression in sheep: A preliminary study. <i>Research in Veterinary Science</i> , 2012, 93, 275-278.	1.9	38
24	Synthesis and antibacterial activity of 2-(4-substituted phenyl)-3(2H)-isothiazolones. <i>European Journal of Medicinal Chemistry</i> , 2004, 39, 699-705.	5.5	37
25	Th1 Immune Response Induction by Biogenic Selenium Nanoparticles in Mice with Breast Cancer: Preliminary Vaccine Model. <i>Iranian Journal of Biotechnology</i> , 2015, 13, 1-9.	0.3	34
26	Isolation, characterization and complete genome sequence of Phax1: a phage of <i>Escherichia coli</i> O157:H7. <i>Microbiology (United Kingdom)</i> , 2013, 159, 1629-1638.	1.8	32
27	Semi-Biosynthesis of Magnetite-Gold Composite Nanoparticles Using an Ethanol Extract of <i>Eucalyptus camaldulensis</i> and Study of the Surface Chemistry. <i>Journal of Nanomaterials</i> , 2009, 2009, 1-5.	2.7	29
28	Characterization of Folic Acid Surface-Coated Selenium Nanoparticles and Corresponding In Vitro and In Vivo Effects Against Breast Cancer. <i>Archives of Medical Research</i> , 2018, 49, 10-17.	3.3	29
29	The Use of Artificial Neural Networks for Optimizing Polydispersity Index (PDI) in Nanoprecipitation Process of Acetaminophen in Microfluidic Devices. <i>AAPS PharmSciTech</i> , 2012, 13, 1293-1301.	3.3	26
30	Separation of the defect-free Fe ₃ O ₄ -Au core/shell fraction from magnetite-gold composite nanoparticles by an acid wash treatment. <i>Journal of Nanostructure in Chemistry</i> , 2013, 3, 1.	9.1	26
31	Dose-Response Relationship Study of Selenium Nanoparticles as an Immunostimulatory Agent in Cancer-bearing Mice. <i>Archives of Medical Research</i> , 2015, 46, 31-37.	3.3	26
32	Blockage of both the extrinsic and intrinsic pathways of diazinon-induced apoptosis in PaTu cells by magnesium oxide and selenium nanoparticles. <i>International Journal of Nanomedicine</i> , 2016, Volume 11, 6239-6250.	6.7	26
33	Antifungal activity of biogenic tellurium nanoparticles against <i>Candida albicans</i> and its effects on squalene monooxygenase gene expression. <i>Biotechnology and Applied Biochemistry</i> , 2014, 61, 395-400.	3.1	25
34	Biosynthesis of tellurium nanoparticles by <i>Lactobacillus plantarum</i> and the effect of nanoparticle-enriched probiotics on the lipid profiles of mice. <i>IET Nanobiotechnology</i> , 2015, 9, 300-305.	3.8	25
35	Sub-inhibitory concentration of biogenic selenium nanoparticles lacks post antifungal effect for <i>Aspergillus niger</i> and <i>Candida albicans</i> and stimulates the growth of <i>Aspergillus niger</i> . <i>Iranian Journal of Microbiology</i> , 2013, 5, 81-5.	0.8	25
36	In Vitro Antiparasitic and Apoptotic Effects of Antimony Sulfide Nanoparticles on <i>Leishmania infantum</i> . <i>Journal of Parasitology Research</i> , 2012, 2012, 1-7.	1.2	23

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37	Effect of Oral Supplementation of Biogenic Selenium Nanoparticles on White Blood Cell Profile of BALB/c Mice and Mice Exposed to X-ray Radiation. <i>Avicenna Journal of Medical Biotechnology</i> , 2013, 5, 158-67.	0.3	23
38	Adjuvant Effect of Biogenic Selenium Nanoparticles Improves the Immune Responses and Survival of Mice Receiving 4T1 Cell Antigens as Vaccine in Breast Cancer Murine Model. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 10165-10172.	0.9	22
39	The surface chemistry and stability of gold nanoparticles prepared using methanol extract of <i>Eucalyptus camaldulensis</i> . <i>Journal of Experimental Nanoscience</i> , 2011, 6, 200-208.	2.4	20
40	Microbial synthesis of antimony sulfide nanoparticles and their characterization. <i>Annals of Microbiology</i> , 2012, 62, 1419-1425.	2.6	19
41	Preparation and optimization of acetaminophen nanosuspension through nanoprecipitation using microfluidic devices: an artificial neural networks study. <i>Pharmaceutical Development and Technology</i> , 2013, 18, 609-618.	2.4	18
42	Microwave-assisted biosynthesis of gold-silver alloy nanoparticles and determination of their Au/Ag ratio by atomic absorption spectroscopy. <i>Journal of Experimental Nanoscience</i> , 2013, 8, 442-450.	2.4	17
43	Antimicrobial Activities of Three Medicinal Plants and Investigation of Flavonoids of <i>Tripleurospermum disciforme</i> . <i>Iranian Journal of Pharmaceutical Research</i> , 2015, 14, 225-31.	0.5	17
44	Sophoraflavanone G from <i>Sophora pachycarpa</i> Enhanced the Antibacterial Activity of Gentamycin against <i>Staphylococcus aureus</i> . <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2006, 61, 769-772.	1.4	16
45	The Antifungal Activity of <i>Sarcococca saligna</i> Ethanol Extract and its Combination Effect with Fluconazole against Different Resistant <i>Aspergillus</i> Species. <i>Applied Biochemistry and Biotechnology</i> , 2010, 162, 127-133.	2.9	15
46	Polyacrylamide/reduced graphene oxide-Ag nanocomposite as highly efficient antibacterial transparent film. <i>Journal of the Iranian Chemical Society</i> , 2017, 14, 37-46.	2.2	15
47	Optimization of Culture Conditions for Fermentation of Soymilk Using <i>Lactobacillus casei</i> by Response Surface Methodology. <i>Probiotics and Antimicrobial Proteins</i> , 2011, 3, 159-167.	3.9	14
48	Novel inhibitor discovery against aromatase through virtual screening and molecular dynamic simulation: a computational approach in drug design. <i>EXCLI Journal</i> , 2013, 12, 168-83.	0.7	12
49	Wound healing and anti-inflammatory effects of bacterial cellulose coated with <i>Pistacia atlantica</i> fruit oil. <i>DARU, Journal of Pharmaceutical Sciences</i> , 2022, 30, 1-10.	2.0	10
50	Sophoraflavanone G from <i>Sophora pachycarpa</i> Enhanced the Antibacterial Activity of Gentamycin against <i>Staphylococcus aureus</i> . <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2006, 61, 769-772.	1.4	7
51	Enhancement of the Antibacterial Activity of Ciprofloxacin against <i>Staphylococcus aureus</i> by 3-Alkyl Esters and 3-Aryl Esters of Hexahydroquinoline Derivatives. <i>Arzneimittelforschung</i> , 2008, 58, 464-468.	0.4	6
52	Comparison of Cytokine Expression in Human PBMCs Stimulated with Normal and Heat-Shocked <i>Lactobacillus plantarum</i> Cell Lysate. <i>Probiotics and Antimicrobial Proteins</i> , 2021, 13, 1539-1545.	3.9	5
53	In Vitro Activity of Two Nanoparticles on Clinical Isolates of <i>Candida parapsilosis</i> , Showing Resistance Against Antifungal Agents in Children. <i>Archives of Clinical Infectious Diseases</i> , 2017, 12, .	0.2	5
54	An Enhancing Effect of Gold Nanoparticles on the Lethal Action of 2450 MHz Electromagnetic Radiation in Microwave Oven. <i>Avicenna Journal of Medical Biotechnology</i> , 2011, 3, 195-200.	0.3	5

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55	Targeted Intracellular Heat Transfer in Cancer Therapy: Assessment of Asparagine-laminated Gold Nanoparticles in Cell Model of T cell Leukemia. Iranian Journal of Public Health, 2017, 46, 357-367.	0.5	5
56	Synthesis and antibacterial activity of a Fe ₃ O ₄ @AgCl nanocomposite against <i>Escherichia coli</i> . Toxicological and Environmental Chemistry, 2013, 95, 118-126.	1.2	4
57	PerioVax3, a key antigenic determinant with immunoprotective potential against periodontal pathogen. Microbial Pathogenesis, 2019, 135, 103661.	2.9	4
58	Biosynthesis of SeNPs by <i>Mycobacterium bovis</i> and their enhancing effect on the immune response against HBs antigens: an <i>in vivo</i> study. IET Nanobiotechnology, 2018, 12, 57-63.	3.8	3
59	Bleaching of <i>Serratia marcescens</i> by some coumarins: A spectrophotometric study. Journal of Basic Microbiology, 2005, 45, 470-474.	3.3	2
60	Two matrix metalloproteinase inhibitors from <i>scrophularia striata</i> boiss. Iranian Journal of Pharmaceutical Research, 2014, 13, 149-55.	0.5	1
61	Synthesis and Antibacterial Activity of 2-(4-Substituted phenyl)-3(2H)-isothiazolones.. ChemInform, 2004, 35, no.	0.0	0
62	The Toxicity of Synthetic and Biogenic Selenium Nanoparticles on Human Brain Glioblastoma Cell Line: An <i>in vitro</i> Comparison. , 2020, 10, 26851.		0
63	Fabrication of Calcium Sulfate Coated Selenium Nanoparticles and Corresponding Cytotoxicity Effects Against 4T1 Breast Cancer Cell Line.. Avicenna Journal of Medical Biotechnology, 2021, 13, 201-206.	0.3	0