

Hamed Barabadi

List of Publications by Year in descending order

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Version: 2024-02-01

65
papers

3,237
citations

87723

38
h-index

168136

53
g-index

69
all docs

69
docs citations

69
times ranked

2485
citing authors

#	ARTICLE	IF	CITATIONS
1	Anti-cancer green bionanomaterials: present status and future prospects. <i>Green Chemistry Letters and Reviews</i> , 2017, 10, 285-314.	2.1	166
2	Biomimetic synthesis of silver nanoparticles from <i>Streptomyces atrovirens</i> and their potential anticancer activity against human breast cancer cells. <i>IET Nanobiotechnology</i> , 2017, 11, 965-972.	1.9	123
3	Green synthesis of silver nanoparticles using <i>Alysicarpus monilifer</i> leaf extract and its antibacterial activity against MRSA and CoNS isolates in HIV patients. <i>Journal of Interdisciplinary Nanomedicine</i> , 2017, 2, 131-141.	3.6	104
4	Redox interactions and genotoxicity of metal-based nanoparticles: A comprehensive review. <i>Chemico-Biological Interactions</i> , 2019, 312, 108814.	1.7	98
5	The prevalence and drug resistance pattern of extended spectrum β -lactamases (ESBLs) producing Enterobacteriaceae in Africa. <i>Microbial Pathogenesis</i> , 2018, 114, 180-192.	1.3	91
6	Green synthesis, characterization, antibacterial and biofilm inhibitory activity of silver nanoparticles compared to commercial silver nanoparticles. <i>Inorganic Chemistry Communication</i> , 2021, 129, 108647.	1.8	90
7	Green chemical synthesis of gold nanoparticles by using <i>Penicillium aculeatum</i> and their scolicidal activity against hydatid cyst protoscolices of <i>Echinococcus granulosus</i> . <i>Environmental Science and Pollution Research</i> , 2017, 24, 5800-5810.	2.7	87
8	A Systematic Review of the Genotoxicity and Antigenotoxicity of Biologically Synthesized Metallic Nanomaterials: Are Green Nanoparticles Safe Enough for Clinical Marketing?. <i>Medicina (Lithuania)</i> , 2019, 55, 439.	0.8	87
9	Microbial mediated preparation, characterization and optimization of gold nanoparticles. <i>Brazilian Journal of Microbiology</i> , 2014, 45, 1493-1501.	0.8	83
10	Scolicidal activity of biosynthesized silver nanoparticles against <i>Echinococcus granulosus</i> protoscolices. <i>International Journal of Surgery</i> , 2015, 19, 128-133.	1.1	83
11	Emerging Selenium Nanoparticles to Combat Cancer: a Systematic Review. <i>Journal of Cluster Science</i> , 2020, 31, 301-309.	1.7	83
12	Phytosynthesis, Characterization and Fungicidal Potential of Emerging Gold Nanoparticles Using <i>Pongamia pinnata</i> Leave Extract: A Novel Approach in Nanoparticle Synthesis. <i>Journal of Cluster Science</i> , 2020, 31, 125-131.	1.7	78
13	Optimization of myco-synthesized silver nanoparticles by response surface methodology employing Box-Behnken design. <i>Inorganic and Nano-Metal Chemistry</i> , 2019, 49, 33-43.	0.9	77
14	Green nanotechnology-based zinc oxide (ZnO) nanomaterials for biomedical applications: a review. <i>JPhys Materials</i> , 2020, 3, 034005.	1.8	76
15	Plant-Mediated Synthesis, Characterization and Bactericidal Potential of Emerging Silver Nanoparticles Using Stem Extract of <i>Phyllanthus pinnatus</i> : A Recent Advance in Phytonanotechnology. <i>Journal of Cluster Science</i> , 2019, 30, 1481-1488.	1.7	72
16	Comparative Anticancer Potential of Biologically and Chemically Synthesized Gold Nanoparticles. <i>Journal of Cluster Science</i> , 2020, 31, 867-876.	1.7	71
17	<i>Penicillium</i> Family as Emerging Nanofactory for Biosynthesis of Green Nanomaterials: A Journey into the World of Microorganisms. <i>Journal of Cluster Science</i> , 2019, 30, 843-856.	1.7	70
18	Emerging Theranostic Biogenic Silver Nanomaterials for Breast Cancer: A Systematic Review. <i>Journal of Cluster Science</i> , 2019, 30, 259-279.	1.7	69

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19	Bioengineering of green-synthesized silver nanoparticles: In vitro physicochemical, antibacterial, biofilm inhibitory, anticoagulant, and antioxidant performance. <i>Talanta</i> , 2022, 243, 123374.	2.9	68
20	Antineoplastic activity of biogenic silver and gold nanoparticles to combat leukemia: Beginning a new era in cancer theragnostic. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2022, 34, e00714.	2.1	67
21	Evaluation of Antibacterial and Anticancer Potential of Polyaniline-Bimetal Nanocomposites Synthesized from Chemical Reduction Method. <i>Journal of Cluster Science</i> , 2019, 30, 715-726.	1.7	66
22	Antineoplastic Biogenic Silver Nanomaterials to Combat Cervical Cancer: A Novel Approach in Cancer Therapeutics. <i>Journal of Cluster Science</i> , 2020, 31, 659-672.	1.7	66
23	Nanobiotechnology as an emerging approach to combat malaria: A systematic review. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2019, 18, 221-233.	1.7	64
24	Nano-Medicine as a Newly Emerging Approach to Combat Human Immunodeficiency Virus (HIV). <i>Pharmaceutical Nanotechnology</i> , 2018, 6, 17-27.	0.6	63
25	Efficacy of green nanoparticles against cancerous and normal cell lines: a systematic review and meta-analysis. <i>IET Nanobiotechnology</i> , 2018, 12, 377-391.	1.9	62
26	Antimicrobial, Cytotoxicity and Photocatalytic Degradation of Norfloxacin Using <i>Kleinfia grandiflora</i> Mediated Silver Nanoparticles. <i>Journal of Cluster Science</i> , 2019, 30, 1415-1424.	1.7	59
27	Emerging Theranostic Silver Nanomaterials to Combat Colorectal Cancer: A Systematic Review. <i>Journal of Cluster Science</i> , 2020, 31, 311-321.	1.7	57
28	Emerging Antineoplastic Plant-Based Gold Nanoparticle Synthesis: A Mechanistic Exploration of their Anticancer Activity Toward Cervical Cancer Cells. <i>Journal of Cluster Science</i> , 2020, 31, 1329-1340.	1.7	57
29	Emerging Antineoplastic Gold Nanomaterials for Cervical Cancer Therapeutics: A Systematic Review. <i>Journal of Cluster Science</i> , 2020, 31, 1173-1184.	1.7	56
30	Emerging Theranostic Silver and Gold Nanomaterials to Combat Prostate Cancer: A Systematic Review. <i>Journal of Cluster Science</i> , 2019, 30, 1375-1382.	1.7	53
31	Antidiabetic and Antioxidant Activity of Green Synthesized Starch Nanoparticles: An In Vitro Study. <i>Journal of Cluster Science</i> , 2020, 31, 1257-1266.	1.7	53
32	<p>Emerging Antineoplastic Biogenic Gold Nanomaterials for Breast Cancer Therapeutics: A Systematic Review</p>. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 3577-3595.	3.3	52
33	Development and Optimization of Biometal Nanoparticles by Using Mathematical Methodology: A Microbial Approach. <i>Journal of Nano Research</i> , 0, 30, 106-115.	0.8	51
34	Emerging Theranostic Silver Nanomaterials to Combat Lung Cancer: A Systematic Review. <i>Journal of Cluster Science</i> , 2020, 31, 1-10.	1.7	51
35	Fungus-Mediated Synthesis of Gold Nanoparticles: A Novel Biological Approach to Nanoparticle Synthesis. <i>Journal of Nanoscience and Nanotechnology</i> , 2013, 13, 1427-1430.	0.9	46
36	Nanobiotechnology: A promising scope of gold biotechnology. <i>Cellular and Molecular Biology</i> , 2017, 63, 3.	0.3	46

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37	Emerging Theranostic Gold Nanomaterials to Combat Lung Cancer: A Systematic Review. <i>Journal of Cluster Science</i> , 2020, 31, 323-330.	1.7	45
38	Emerging Theranostic Gold Nanomaterials to Combat Colorectal Cancer: A Systematic Review. <i>Journal of Cluster Science</i> , 2020, 31, 651-658.	1.7	44
39	Nanobiotechnology: A promising scope of gold biotechnology. <i>Cellular and Molecular Biology</i> , 2017, 63, 3-4.	0.3	43
40	Green nanotechnology-based tellurium nanoparticles: Exploration of their antioxidant, antibacterial, antifungal and cytotoxic potentials against cancerous and normal cells compared to potassium tellurite. <i>Inorganic Chemistry Communication</i> , 2021, 124, 108385.	1.8	40
41	Emerging plant-based anti-cancer green nanomaterials in present scenario. <i>Comprehensive Analytical Chemistry</i> , 2019, 87, 291-318.	0.7	38
42	Genotoxicity assessment of carbon-based nanomaterials; Have their unique physicochemical properties made them double-edged swords?. <i>Mutation Research - Reviews in Mutation Research</i> , 2020, 783, 108296.	2.4	36
43	Emerging theranostic silver and gold nanobiomaterials for breast cancer: Present status and future prospects. , 2021, , 439-456.		35
44	TiO ₂ @ZnO nanocomposites decorated with gold nanoparticles: Synthesis, characterization and their antifungal, antibacterial, anti-inflammatory and anticancer activities. <i>Inorganic Chemistry Communication</i> , 2020, 121, 108210.	1.8	32
45	Biosynthesis and Characterization of Biogenic Tellurium Nanoparticles by Using PTCC 5031: A Novel Approach in Gold Biotechnology. <i>Iranian Journal of Pharmaceutical Research</i> , 2018, 17, 87-97.	0.3	30
46	Green Synthesis of Silver Nanoparticles Induced by the Fungus <i>Penicillium citrinum</i> . <i>Tropical Journal of Pharmaceutical Research</i> , 2013, 12, .	0.2	29
47	Emerging Therapeutic Approaches to Combat COVID-19: Present Status and Future Perspectives. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 604447.	1.6	28
48	Green nanotechnology: isolation of bioactive molecules and modified approach of biosynthesis. , 2021, , 101-122.		26
49	<i>Penicillium chrysogenum</i> -Derived Silver Nanoparticles: Exploration of Their Antibacterial and Biofilm Inhibitory Activity Against the Standard and Pathogenic <i>Acinetobacter baumannii</i> Compared to Tetracycline. <i>Journal of Cluster Science</i> , 2022, 33, 1929-1942.	1.7	24
50	Green Nanotechnology-based Gold Nanomaterials for Hepatic Cancer Therapeutics: A Systematic Review. <i>Iranian Journal of Pharmaceutical Research</i> , 2020, 19, 3-17.	0.3	19
51	Nanotechnology-based approaches for emerging and re-emerging viruses: Special emphasis on COVID-19. <i>Microbial Pathogenesis</i> , 2021, 156, 104908.	1.3	18
52	Biosynthesis of Zinc oxide nanoparticles using <i>Bergenia ciliate</i> aqueous extract and evaluation of their photocatalytic and antioxidant potential. <i>Inorganic Chemistry Communication</i> , 2021, 134, 109020.	1.8	17
53	Fungus-mediated Extracellular Biosynthesis and Characterization of Zirconium Nanoparticles Using Standard Species and Their Preliminary Bactericidal Potential: A Novel Biological Approach to Nanoparticle Synthesis. <i>Iranian Journal of Pharmaceutical Research</i> , 2019, 18, 2101-2110.	0.3	14
54	Biofabrication of gold and silver nanoparticles for pharmaceutical applications. <i>Pharmaceutical and Biomedical Research</i> , 2016, 2, 1-7.	0.3	9

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55	CTAB-PLGA Curcumin Nanoparticles: Preparation, Biophysical Characterization and Their Enhanced Antifungal Activity against Phytopathogenic Fungus <i>Pythium ultimum</i> . ChemistrySelect, 2020, 5, 10574-10580.	0.7	7
56	Nanobiosensors for theranostic applications. , 2021, , 511-543.		7
57	Cancer therapeutics with microbial nanotechnology-based approaches. , 2022, , 17-43.		7
58	Barriers for the development, translation, and implementation of nanomedicine: an African perspective. Journal of Interdisciplinary Nanomedicine, 2018, 3, 106-110.	3.6	6
59	Microbial nanotechnology-based approaches for wound healing and infection control. , 2022, , 1-15.		6
60	Biogenic metal nanomaterials to combat antimicrobial resistance. , 2022, , 261-304.		6
61	Nanocarrier drug resistant tumor interactions: novel approaches to fight drug resistance in cancer. , 2021, 4, 264-297.		5
62	Emerging Theragnostic Metal-Based Nanomaterials to Combat Cancer. Nanotechnology in the Life Sciences, 2021, , 317-334.	0.4	4
63	Antiviral potential of green-synthesized silver nanoparticles. , 2022, , 285-310.		4
64	Artificial Neural Network Modeling of Fungus-Mediated Extracellular Biosynthesis of Zirconium Nanoparticles Using Standard Penicillium spp.. Journal of Cluster Science, 2022, 33, 1907-1921.	1.7	3
65	Emerging mesoporous silica nanoparticle-mediated controlled and targeted drug delivery system: Present status and future prospects. , 2021, , 457-481.		0