Hamed Barabadi

List of Publications by Citations

65 papers	1,990 citations	30 h-index	43 g-index
67 ext. papers	2,481 ext. citations	3.1 avg, IF	5.67 L-index

#	Paper	IF	Citations
65	Anti-cancer green bionanomaterials: present status and future prospects. *Green Chemistry Letters and Reviews*, **2017**, 10, 285-314	4.7	132
64	Biomimetic synthesis of silver nanoparticles from and their potential anticancer activity against human breast cancer cells. *IET Nanobiotechnology*, **2017**, 11, 965-972	2	95
63	Green synthesis of silver nanoparticles using Alysicarpus monilifer leaf extract and its antibacterial activity against MRSA and CoNS isolates in HIV patients. *Journal of Interdisciplinary Nanomedicine*, **2017**, 2, 131-141	4	78
62	A Systematic Review of the Genotoxicity and Antigenotoxicity of Biologically Synthesized Metallic Nanomaterials: Are Green Nanoparticles Safe Enough for Clinical Marketing?. *Medicina (Lithuania)*, **2019**, 55,	3.1	68
61	Green chemical synthesis of gold nanoparticles by using Penicillium aculeatum and their scolicidal activity against hydatid cyst protoscolices of Echinococcus granulosus. *Environmental Science and Pollution Research*, **2017**, 24, 5800-5810	5.1	65
60	Redox interactions and genotoxicity of metal-based nanoparticles: A comprehensive review. *Chemico-Biological Interactions*, **2019**, 312, 108814	5	64
59	Emerging Selenium Nanoparticles to Combat Cancer: a Systematic Review. *Journal of Cluster Science*, **2020**, 31, 301-309	3	59
58	Scolicidal activity of biosynthesized silver nanoparticles against Echinococcus granulosus protoscolices. *International Journal of Surgery*, **2015**, 19, 128-33	7.5	58
57	Nano-Medicine as a Newly Emerging Approach to Combat Human Immunodeficiency Virus (HIV). *Pharmaceutical Nanotechnology*, **2018**, 6, 17-27	4	57
56	Emerging Theranostic Biogenic Silver Nanomaterials for Breast Cancer: A Systematic Review. *Journal of Cluster Science*, **2019**, 30, 259-279	3	57
55	Phytosynthesis, Characterization and Fungicidal Potential of Emerging Gold Nanoparticles Using Pongamia pinnata Leave Extract: A Novel Approach in Nanoparticle Synthesis. *Journal of Cluster Science*, **2020**, 31, 125-131	3	57
54	Evaluation of Antibacterial and Anticancer Potential of Polyaniline-Bimetal Nanocomposites Synthesized from Chemical Reduction Method. *Journal of Cluster Science*, **2019**, 30, 715-726	3	54
53	The prevalence and drug resistance pattern of extended spectrum β-lactamases (ESBLs) producing Enterobacteriaceae in Africa. *Microbial Pathogenesis*, **2018**, 114, 180-192	3.8	54
52	Microbial mediated preparation, characterization and optimization of gold nanoparticles. *Brazilian Journal of Microbiology*, **2014**, 45, 1493-501	2.2	53
51	Optimization of myco-synthesized silver nanoparticles by response surface methodology employing Box-Behnken design. *Inorganic and Nano-Metal Chemistry*, **2019**, 49, 33-43	1.2	51
50	Efficacy of green nanoparticles against cancerous and normal cell lines: a systematic review and meta-analysis. *IET Nanobiotechnology*, **2018**, 12, 377-391	2	50
49	Antimicrobial, Cytotoxicity and Photocatalytic Degradation of Norfloxacin Using Kleinia grandiflora Mediated Silver Nanoparticles. *Journal of Cluster Science*, **2019**, 30, 1415-1424	3	49

48	Plant-Mediated Synthesis, Characterization and Bactericidal Potential of Emerging Silver Nanoparticles Using Stem Extract of Phyllanthus pinnatus: A Recent Advance in Phytonanotechnology. *Journal of Cluster Science*, **2019**, 30, 1481-1488	3	49
47	Penicillium Family as Emerging Nanofactory for Biosynthesis of Green Nanomaterials: A Journey into the World of Microorganisms. *Journal of Cluster Science*, **2019**, 30, 843-856	3	48
46	Nanobiotechnology as an emerging approach to combat malaria: A systematic review. *Nanomedicine: Nanotechnology, Biology, and Medicine*, **2019**, 18, 221-233	6	48
45	Emerging Theranostic Silver and Gold Nanomaterials to Combat Prostate Cancer: A Systematic Review. *Journal of Cluster Science*, **2019**, 30, 1375-1382	3	47
44	Emerging Theranostic Silver Nanomaterials to Combat Colorectal Cancer: A Systematic Review. *Journal of Cluster Science*, **2020**, 31, 311-321	3	44
43	Nanobiotechnology: A promising scope of gold biotechnology. *Cellular and Molecular Biology*, **2017**, 63, 3-4	1.1	42
42	Antineoplastic Biogenic Silver Nanomaterials to Combat Cervical Cancer: A Novel Approach in Cancer Therapeutics. *Journal of Cluster Science*, **2020**, 31, 659-672	3	39
41	Emerging Theranostic Silver Nanomaterials to Combat Lung Cancer: A Systematic Review. *Journal of Cluster Science*, **2020**, 31, 1-10	3	35
40	Emerging Antineoplastic Biogenic Gold Nanomaterials for Breast Cancer Therapeutics: A Systematic Review. *International Journal of Nanomedicine*, **2020**, 15, 3577-3595	7.3	34
39	Green nanotechnology-based zinc oxide (ZnO) nanomaterials for biomedical applications: a review. *JPhys Materials*, **2020**, 3, 034005	4.2	34
38	Fungus-mediated synthesis of gold nanoparticles: a novel biological approach to nanoparticle synthesis. *Journal of Nanoscience and Nanotechnology*, **2013**, 13, 1427-30	1.3	34
37	Emerging Antineoplastic Plant-Based Gold Nanoparticle Synthesis: A Mechanistic Exploration of their Anticancer Activity Toward Cervical Cancer Cells. *Journal of Cluster Science*, **2020**, 31, 1329-1340	3	33
36	Emerging plant-based anti-cancer green nanomaterials in present scenario. *Comprehensive Analytical Chemistry*, **2019**, 87, 291-318	1.9	31
35	Development and Optimization of Biometal Nanoparticles by Using Mathematical Methodology: A Microbial Approach. *Journal of Nano Research*, **2015**, 30, 106-115	1	30
34	Biosynthesis and Characterization of Biogenic Tellurium Nanoparticles by Using PTCC 5031: A Novel Approach in Gold Biotechnology. *Iranian Journal of Pharmaceutical Research*, **2018**, 17, 87-97	1.1	28
33	Emerging Theranostic Gold Nanomaterials to Combat Lung Cancer: A Systematic Review. *Journal of Cluster Science*, **2020**, 31, 323-330	3	27
32	Green synthesis, characterization, antibacterial and biofilm inhibitory activity of silver nanoparticles compared to commercial silver nanoparticles. *Inorganic Chemistry Communication*, **2021**, 129, 108647	3.1	24
31	Emerging Theranostic Gold Nanomaterials to Combat Colorectal Cancer: A Systematic Review. *Journal of Cluster Science*, **2020**, 31, 651-658	3	23

30	Comparative Anticancer Potential of Biologically and Chemically Synthesized Gold Nanoparticles. *Journal of Cluster Science*, **2020**, 31, 867-876	3	23
29	Emerging Antineoplastic Gold Nanomaterials for Cervical Cancer Therapeutics: A Systematic Review. *Journal of Cluster Science*, **2020**, 31, 1173-1184	3	22
28	Genotoxicity assessment of carbon-based nanomaterials; Have their unique physicochemical properties made them double-edged swords?. *Mutation Research - Reviews in Mutation Research*, **2020**, 783, 108296	7	21
27	Nanobiotechnology: A promising scope of gold biotechnology. *Cellular and Molecular Biology*, **2017**, 63, 3	1.1	17
26	Green Synthesis of Silver Nanoparticles Induced by the Fungus Penicillium citrinum. *Tropical Journal of Pharmaceutical Research*, **2013**, 12,	0.8	16
25	Antidiabetic and Antioxidant Activity of Green Synthesized Starch Nanoparticles: An In Vitro Study. *Journal of Cluster Science*, **2020**, 31, 1257-1266	3	15
24	TiO2@ZnO nanocomposites decorated with gold nanoparticles: Synthesis, characterization and their antifungal, antibacterial, anti-inflammatory and anticancer activities. *Inorganic Chemistry Communication*, **2020**, 121, 108210	3.1	15
23	Emerging Therapeutic Approaches to Combat COVID-19: Present Status and Future Perspectives. *Frontiers in Molecular Biosciences*, **2021**, 8, 604447	5.6	11
22	Antineoplastic activity of biogenic silver and gold nanoparticles to combat leukemia: Beginning a new era in cancer theragnostic. *Biotechnology Reports (Amsterdam, Netherlands)*, **2022**, 34, e00714	5.3	10
21	Emerging theranostic silver and gold nanobiomaterials for breast cancer: Present status and future prospects **2021**, 439-456		9
20	Green Nanotechnology-based Gold Nanomaterials for Hepatic Cancer Therapeutics: A Systematic Review. *Iranian Journal of Pharmaceutical Research*, **2020**, 19, 3-17	1.1	8
19	Nanotechnology-based approaches for emerging and re-emerging viruses: Special emphasis on COVID-19. *Microbial Pathogenesis*, **2021**, 156, 104908	3.8	8
18	Biofabrication of gold and silver nanoparticles for pharmaceutical applications. *Pharmaceutical and Biomedical Research*, **2016**, 2, 1-7		7
17	Penicillium chrysogenum-Derived Silver Nanoparticles: Exploration of Their Antibacterial and Biofilm Inhibitory Activity Against the Standard and Pathogenic Acinetobacter baumannii Compared to Tetracycline. *Journal of Cluster Science*,1	3	7
16	Green nanotechnology-based tellurium nanoparticles: Exploration of their antioxidant, antibacterial, antifungal and cytotoxic potentials against cancerous and normal cells compared to potassium tellurite. *Inorganic Chemistry Communication*, **2021**, 124, 108385	3.1	7
15	Bioengineering of green-synthesized silver nanoparticles: In vitro physicochemical, antibacterial, biofilm inhibitory, anticoagulant, and antioxidant performance.. *Talanta*, **2022**, 243, 123374	6.2	7
14	Fungus-mediated Extracellular Biosynthesis and Characterization of Zirconium Nanoparticles Using Standard Species and Their Preliminary Bactericidal Potential: A Novel Biological Approach to Nanoparticle Synthesis. *Iranian Journal of Pharmaceutical Research*, **2019**, 18, 2101-2110	1.1	6
13	Barriers for the development, translation, and implementation of nanomedicine: an African perspective. *Journal of Interdisciplinary Nanomedicine*, **2018**, 3, 106-110	4	6

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12	Biosynthesis of Zinc oxide nanoparticles using Bergenia ciliate aqueous extract and evaluation of their photocatalytic and antioxidant potential. *Inorganic Chemistry Communication*, **2021**, 134, 109020	3.1	5
11	Green nanotechnology: isolation of bioactive molecules and modified approach of biosynthesis **2021**, 101-122		4
10	CTAB-PLGA Curcumin Nanoparticles: Preparation, Biophysical Characterization and Their Enhanced Antifungal Activity against Phytopathogenic Fungus Pythium ultimum. *ChemistrySelect*, **2020**, 5, 10574-10580	1.8	3
9	Nanobiosensors for theranostic applications **2021**, 511-543		3
8	Microbial nanotechnology-based approaches for wound healing and infection control **2022**, 1-15		2
7	Cancer therapeutics with microbial nanotechnology-based approaches **2022**, 17-43		2
6	Emerging Theragnostic Metal-Based Nanomaterials to Combat Cancer. *Nanotechnology in the Life Sciences*, **2021**, 317-334	1.1	1
5	Artificial Neural Network Modeling of Fungus-Mediated Extracellular Biosynthesis of Zirconium Nanoparticles Using Standard Penicillium spp.. *Journal of Cluster Science*,1	3	1
4	Antiviral potential of green-synthesized silver nanoparticles **2022**, 285-310		1
3	Biogenic metal nanomaterials to combat antimicrobial resistance **2022**, 261-304		0
2	Nanocarrier drug resistant tumor interactions: novel approaches to fight drug resistance in cancer. **2021**, 4, 264-297		
1	Emerging mesoporous silica nanoparticle-mediated controlled and targeted drug delivery system: Present status and future prospects **2021**, 457-481		