

# Hamed Barabadi

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Antiviral potential of green-synthesized silver nanoparticles <b>2022</b> , 285-310		1
64	Microbial nanotechnologyBased approaches for wound healing and infection control <b>2022</b> , 1-15		2
63	Cancer therapeutics with microbial nanotechnology-based approaches <b>2022</b> , 17-43		2
62	Bioengineering of green-synthesized silver nanoparticles: In vitro physicochemical, antibacterial, biofilm inhibitory, anticoagulant, and antioxidant performance.. <i>Talanta</i> , <b>2022</b> , 243, 123374	6.2	7
61	Antineoplastic activity of biogenic silver and gold nanoparticles to combat leukemia: Beginning a new era in cancer theragnostic. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , <b>2022</b> , 34, e00714	5.3	10
60	Biogenic metal nanomaterials to combat antimicrobial resistance <b>2022</b> , 261-304		0
59	Emerging Theragnostic Metal-Based Nanomaterials to Combat Cancer. <i>Nanotechnology in the Life Sciences</i> , <b>2021</b> , 317-334	1.1	1
58	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> , <b>2021</b> , 134, 109020	3.1	5
57	Nanocarrier drug resistant tumor interactions: novel approaches to fight drug resistance in cancer. <b>2021</b> , 4, 264-297		
56	Emerging Therapeutic Approaches to Combat COVID-19: Present Status and Future Perspectives. <i>Frontiers in Molecular Biosciences</i> , <b>2021</b> , 8, 604447	5.6	11
55	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> , <b>2021</b> , 124, 108385	3.1	7
54	Green nanotechnology: isolation of bioactive molecules and modified approach of biosynthesis <b>2021</b> , 101-122		4
53	Nanobiosensors for theranostic applications <b>2021</b> , 511-543		3
52	Emerging theranostic silver and gold nanobiomaterials for breast cancer: Present status and future prospects <b>2021</b> , 439-456		9
51	Emerging mesoporous silica nanoparticle-mediated controlled and targeted drug delivery system: Present status and future prospects <b>2021</b> , 457-481		
50	Green synthesis, characterization, antibacterial and biofilm inhibitory activity of silver nanoparticles compared to commercial silver nanoparticles. <i>Inorganic Chemistry Communication</i> , <b>2021</b> , 129, 108647	3.1	24
49	Nanotechnology-based approaches for emerging and re-emerging viruses: Special emphasis on COVID-19. <i>Microbial Pathogenesis</i> , <b>2021</b> , 156, 104908	3.8	8

48	Emerging Antineoplastic Biogenic Gold Nanomaterials for Breast Cancer Therapeutics: A Systematic Review. <i>International Journal of Nanomedicine</i> , <b>2020</b> , 15, 3577-3595	7.3	34
47	Green nanotechnology-based zinc oxide (ZnO) nanomaterials for biomedical applications: a review. <i>JPhys Materials</i> , <b>2020</b> , 3, 034005	4.2	34
46	Genotoxicity assessment of carbon-based nanomaterials; Have their unique physicochemical properties made them double-edged swords?. <i>Mutation Research - Reviews in Mutation Research</i> , <b>2020</b> , 783, 108296	7	21
45	Green Nanotechnology-based Gold Nanomaterials for Hepatic Cancer Therapeutics: A Systematic Review. <i>Iranian Journal of Pharmaceutical Research</i> , <b>2020</b> , 19, 3-17	1.1	8
44	Emerging Antineoplastic Gold Nanomaterials for Cervical Cancer Therapeutics: A Systematic Review. <i>Journal of Cluster Science</i> , <b>2020</b> , 31, 1173-1184	3	22
43	Antidiabetic and Antioxidant Activity of Green Synthesized Starch Nanoparticles: An In Vitro Study. <i>Journal of Cluster Science</i> , <b>2020</b> , 31, 1257-1266	3	15
42	Emerging Antineoplastic Plant-Based Gold Nanoparticle Synthesis: A Mechanistic Exploration of their Anticancer Activity Toward Cervical Cancer Cells. <i>Journal of Cluster Science</i> , <b>2020</b> , 31, 1329-1340	3	33
41	TiO <sub>2</sub> @ZnO nanocomposites decorated with gold nanoparticles: Synthesis, characterization and their antifungal, antibacterial, anti-inflammatory and anticancer activities. <i>Inorganic Chemistry Communication</i> , <b>2020</b> , 121, 108210	3.1	15
40	CTAB-PLGA Curcumin Nanoparticles: Preparation, Biophysical Characterization and Their Enhanced Antifungal Activity against Phytopathogenic Fungus <i>Pythium ultimum</i> . <i>ChemistrySelect</i> , <b>2020</b> , 5, 10574-10580	1.8	3
39	Emerging Theranostic Gold Nanomaterials to Combat Colorectal Cancer: A Systematic Review. <i>Journal of Cluster Science</i> , <b>2020</b> , 31, 651-658	3	23
38	Antineoplastic Biogenic Silver Nanomaterials to Combat Cervical Cancer: A Novel Approach in Cancer Therapeutics. <i>Journal of Cluster Science</i> , <b>2020</b> , 31, 659-672	3	39
37	Comparative Anticancer Potential of Biologically and Chemically Synthesized Gold Nanoparticles. <i>Journal of Cluster Science</i> , <b>2020</b> , 31, 867-876	3	23
36	Emerging Theranostic Gold Nanomaterials to Combat Lung Cancer: A Systematic Review. <i>Journal of Cluster Science</i> , <b>2020</b> , 31, 323-330	3	27
35	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> , <b>2020</b> , 31, 125-131	3	57
34	Emerging Theranostic Silver Nanomaterials to Combat Lung Cancer: A Systematic Review. <i>Journal of Cluster Science</i> , <b>2020</b> , 31, 1-10	3	35
33	Emerging Theranostic Silver Nanomaterials to Combat Colorectal Cancer: A Systematic Review. <i>Journal of Cluster Science</i> , <b>2020</b> , 31, 311-321	3	44
32	Emerging Selenium Nanoparticles to Combat Cancer: a Systematic Review. <i>Journal of Cluster Science</i> , <b>2020</b> , 31, 301-309	3	59
31	Redox interactions and genotoxicity of metal-based nanoparticles: A comprehensive review. <i>Chemico-Biological Interactions</i> , <b>2019</b> , 312, 108814	5	64

30	Antimicrobial, Cytotoxicity and Photocatalytic Degradation of Norfloxacin Using <i>Kleinfia grandiflora</i> Mediated Silver Nanoparticles. <i>Journal of Cluster Science</i> , <b>2019</b> , 30, 1415-1424	3	49
29	Optimization of myco-synthesized silver nanoparticles by response surface methodology employing Box-Behnken design. <i>Inorganic and Nano-Metal Chemistry</i> , <b>2019</b> , 49, 33-43	1.2	51
28	Penicillium Family as Emerging Nanofactory for Biosynthesis of Green Nanomaterials: A Journey into the World of Microorganisms. <i>Journal of Cluster Science</i> , <b>2019</b> , 30, 843-856	3	48
27	Plant-Mediated Synthesis, Characterization and Bactericidal Potential of Emerging Silver Nanoparticles Using Stem Extract of <i>Phyllanthus pinnatus</i> : A Recent Advance in Phytotechnology. <i>Journal of Cluster Science</i> , <b>2019</b> , 30, 1481-1488	3	49
26	Emerging Theranostic Silver and Gold Nanomaterials to Combat Prostate Cancer: A Systematic Review. <i>Journal of Cluster Science</i> , <b>2019</b> , 30, 1375-1382	3	47
25	Evaluation of Antibacterial and Anticancer Potential of Polyaniline-Bimetal Nanocomposites Synthesized from Chemical Reduction Method. <i>Journal of Cluster Science</i> , <b>2019</b> , 30, 715-726	3	54
24	Nanobiotechnology as an emerging approach to combat malaria: A systematic review. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2019</b> , 18, 221-233	6	48
23	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> , <b>2019</b> , 55,	3.1	68
22	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> , <b>2019</b> , 18, 2101-2110	1.1	6
21	Emerging plant-based anti-cancer green nanomaterials in present scenario. <i>Comprehensive Analytical Chemistry</i> , <b>2019</b> , 87, 291-318	1.9	31
20	Emerging Theranostic Biogenic Silver Nanomaterials for Breast Cancer: A Systematic Review. <i>Journal of Cluster Science</i> , <b>2019</b> , 30, 259-279	3	57
19	Nano-Medicine as a Newly Emerging Approach to Combat Human Immunodeficiency Virus (HIV). <i>Pharmaceutical Nanotechnology</i> , <b>2018</b> , 6, 17-27	4	57
18	Biosynthesis and Characterization of Biogenic Tellurium Nanoparticles by Using PTCC 5031: A Novel Approach in Gold Biotechnology. <i>Iranian Journal of Pharmaceutical Research</i> , <b>2018</b> , 17, 87-97	1.1	28
17	The prevalence and drug resistance pattern of extended spectrum $\beta$ -lactamases (ESBLs) producing Enterobacteriaceae in Africa. <i>Microbial Pathogenesis</i> , <b>2018</b> , 114, 180-192	3.8	54
16	Efficacy of green nanoparticles against cancerous and normal cell lines: a systematic review and meta-analysis. <i>IET Nanobiotechnology</i> , <b>2018</b> , 12, 377-391	2	50
15	Barriers for the development, translation, and implementation of nanomedicine: an African perspective. <i>Journal of Interdisciplinary Nanomedicine</i> , <b>2018</b> , 3, 106-110	4	6
14	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> , <b>2017</b> , 24, 5800-5810	5.1	65
13	Anti-cancer green bionanomaterials: present status and future prospects. <i>Green Chemistry Letters and Reviews</i> , <b>2017</b> , 10, 285-314	4.7	132

12	Biomimetic synthesis of silver nanoparticles from and their potential anticancer activity against human breast cancer cells. <i>IET Nanobiotechnology</i> , <b>2017</b> , 11, 965-972	2	95
11	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> , <b>2017</b> , 2, 131-141	4	78
10	Nanobiotechnology: A promising scope of gold biotechnology. <i>Cellular and Molecular Biology</i> , <b>2017</b> , 63, 3-4	1.1	42
9	Nanobiotechnology: A promising scope of gold biotechnology. <i>Cellular and Molecular Biology</i> , <b>2017</b> , 63, 3	1.1	17
8	Biofabrication of gold and silver nanoparticles for pharmaceutical applications. <i>Pharmaceutical and Biomedical Research</i> , <b>2016</b> , 2, 1-7		7
7	Development and Optimization of Biometal Nanoparticles by Using Mathematical Methodology: A Microbial Approach. <i>Journal of Nano Research</i> , <b>2015</b> , 30, 106-115	1	30
6	Scolicidal activity of biosynthesized silver nanoparticles against <i>Echinococcus granulosus</i> protoscolices. <i>International Journal of Surgery</i> , <b>2015</b> , 19, 128-33	7.5	58
5	Microbial mediated preparation, characterization and optimization of gold nanoparticles. <i>Brazilian Journal of Microbiology</i> , <b>2014</b> , 45, 1493-501	2.2	53
4	Fungus-mediated synthesis of gold nanoparticles: a novel biological approach to nanoparticle synthesis. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2013</b> , 13, 1427-30	1.3	34
3	Green Synthesis of Silver Nanoparticles Induced by the Fungus <i>Penicillium citrinum</i> . <i>Tropical Journal of Pharmaceutical Research</i> , <b>2013</b> , 12,	0.8	16
2	<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> ,1	3	7
1	Artificial Neural Network Modeling of Fungus-Mediated Extracellular Biosynthesis of Zirconium Nanoparticles Using Standard <i>Penicillium</i> spp.. <i>Journal of Cluster Science</i> ,1	3	1