

Ramya Mathiyalagan

List of Publications by Citations

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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.

61
papers

2,069
citations

29
h-index

44
g-index

66
ext. papers

2,529
ext. citations

4.5
avg, IF

5.1
L-index

#	Paper	IF	Citations
61	Extracellular synthesis of silver and gold nanoparticles by <i>Sporosarcina koreensis</i> DC4 and their biological applications. <i>Enzyme and Microbial Technology</i> , 2016 , 86, 75-83	3.8	117
60	Molecular signaling of ginsenosides Rb1, Rg1, and Rg3 and their mode of actions. <i>Journal of Ginseng Research</i> , 2018 , 42, 123-132	5.8	111
59	Green synthesis of silver nanoparticles by <i>Bacillus methylotrophicus</i> , and their antimicrobial activity. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2016 , 44, 1127-32	6.1	88
58	Intracellular synthesis of gold nanoparticles with antioxidant activity by probiotic <i>Lactobacillus kimchicus</i> DCY51 isolated from Korean kimchi. <i>Enzyme and Microbial Technology</i> , 2016 , 95, 85-93	3.8	88
57	Anticancer activity of silver nanoparticles from <i>Panax ginseng</i> fresh leaves in human cancer cells. <i>Biomedicine and Pharmacotherapy</i> , 2016 , 84, 158-165	7.5	86
56	Rapid green synthesis of silver and gold nanoparticles using <i>Dendropanax morbifera</i> leaf extract and their anticancer activities. <i>International Journal of Nanomedicine</i> , 2016 , 11, 3691-701	7.3	85
55	Cardamom fruits as a green resource for facile synthesis of gold and silver nanoparticles and their biological applications. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018 , 46, 108-117	6.1	75
54	Biosynthesis, Characterization, and Bioactivities Evaluation of Silver and Gold Nanoparticles Mediated by the Roots of Chinese Herbal <i>Angelica pubescens</i> Maxim. <i>Nanoscale Research Letters</i> , 2017 , 12, 46	5	66
53	<i>Weissella oryzae</i> DC6-facilitated green synthesis of silver nanoparticles and their antimicrobial potential. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2016 , 44, 1569-75	6.1	63
52	Biogenic silver and gold nanoparticles synthesized using red ginseng root extract, and their applications. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2016 , 44, 811-6	6.1	63
51	Ginseng-berry-mediated gold and silver nanoparticle synthesis and evaluation of their in vitro antioxidant, antimicrobial, and cytotoxicity effects on human dermal fibroblast and murine melanoma skin cell lines. <i>International Journal of Nanomedicine</i> , 2017 , 12, 709-723	7.3	62
50	The development of a green approach for the biosynthesis of silver and gold nanoparticles by using <i>Panax ginseng</i> root extract, and their biological applications. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2016 , 44, 1150-7	6.1	61
49	Biological synthesis of gold and silver chloride nanoparticles by <i>Glycyrrhiza uralensis</i> and in vitro applications. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018 , 46, 303-312	6.1	60
48	<i>Pseudomonas deceptionensis</i> DC5-mediated synthesis of extracellular silver nanoparticles. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2016 , 44, 1576-81	6.1	59
47	Green synthesis of multifunctional silver and gold nanoparticles from the oriental herbal adaptogen: Siberian ginseng. <i>International Journal of Nanomedicine</i> , 2016 , 11, 3131-43	7.3	55
46	Green synthesis of zinc oxide nanoparticles from root extract of <i>Scutellaria baicalensis</i> and its photocatalytic degradation activity using methylene blue. <i>Optik</i> , 2019 , 184, 324-329	2.5	54
45	Ginsenoside compound K-bearing glycol chitosan conjugates: synthesis, physicochemical characterization, and in vitro biological studies. <i>Carbohydrate Polymers</i> , 2014 , 112, 359-66	10.3	52

44	Photocatalytic degradation of methylene blue using biosynthesized zinc oxide nanoparticles from bark extract of <i>Kalopanax septemlobus</i> . <i>Optik</i> , 2019 , 182, 980-985	2.5	51
43	Biosynthesis of Anisotropic Silver Nanoparticles by <i>Bhargavaea indica</i> and Their Synergistic Effect with Antibiotics against Pathogenic Microorganisms. <i>Journal of Nanomaterials</i> , 2015 , 2015, 1-10	3.2	45
42	Microbial synthesis of Flower-shaped gold nanoparticles. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2016 , 44, 1469-74	6.1	41
41	<i>Cordyceps militaris</i> fungus mediated Zinc Oxide nanoparticles for the photocatalytic degradation of Methylene blue dye. <i>Optik</i> , 2019 , 183, 691-697	2.5	39
40	Applications of leaves-mediated gold nanoparticles in cosmetics relation to antioxidant, moisture retention, and whitening effect on B16BL6 cells. <i>Journal of Ginseng Research</i> , 2018 , 42, 327-333	5.8	37
39	Synthesis of zinc oxide nanoparticles from immature fruits of <i>Rubus coreanus</i> and its catalytic activity for degradation of industrial dye. <i>Optik</i> , 2018 , 172, 1179-1186	2.5	37
38	Green synthesis of gold and silver nanoparticles using aqueous extract of <i>Cibotium barometz</i> root. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2017 , 45, 1548-1555	6.1	35
37	Facile synthesis of Au and Ag nanoparticles using fruit extract of <i>Lycium chinense</i> and their anticancer activity. <i>Journal of Drug Delivery Science and Technology</i> , 2019 , 49, 308-315	4.5	35
36	Rare ginsenoside Ia synthesized from F1 by cloning and overexpression of the UDP-glycosyltransferase gene from : synthesis, characterization, and melanogenesis inhibition activity in BL6B16 cells. <i>Journal of Ginseng Research</i> , 2018 , 42, 42-49	5.8	32
35	Transcript expression profiling for adventitious roots of <i>Panax ginseng</i> Meyer. <i>Gene</i> , 2014 , 546, 89-96	3.8	30
34	Gold nanoparticles synthesized using <i>Panax ginseng</i> leaves suppress inflammatory - mediators production via blockade of NF- κ B activation in macrophages. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2017 , 45, 270-276	6.1	30
33	Characterization and antimicrobial application of biosynthesized gold and silver nanoparticles by using <i>Microbacterium resistens</i> . <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2016 , 44, 1714-21	6.1	29
32	Zinc oxide nanoparticles synthesized by <i>Suaeda japonica</i> Makino and their photocatalytic degradation of methylene blue. <i>Optik</i> , 2019 , 182, 1015-1020	2.5	29
31	<i>Pleuropterus multiflorus</i> (Hasuo) mediated straightforward eco-friendly synthesis of silver, gold nanoparticles and evaluation of their anti-cancer activity on A549 lung cancer cell line. <i>Biomedicine and Pharmacotherapy</i> , 2017 , 93, 995-1003	7.5	28
30	In silico profiling of microRNAs in Korean ginseng (<i>Panax ginseng</i> Meyer). <i>Journal of Ginseng Research</i> , 2013 , 37, 227-47	5.8	25
29	Assessment of radical scavenging, whitening and moisture retention activities of <i>Panax ginseng</i> berry mediated gold nanoparticles as safe and efficient novel cosmetic material. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018 , 46, 333-340	6.1	24
28	Silver nanoparticles from <i>Dendropanax morbifera</i> L'Veille inhibit cell migration, induce apoptosis, and increase generation of reactive oxygen species in A549 lung cancer cells. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2016 , 52, 1012-1019	2.6	23
27	Photocatalytic degradation of industrial dyes using Ag and Au nanoparticles synthesized from <i>Angelica gigas</i> ribbed stem extracts. <i>Optik</i> , 2019 , 185, 1213-1219	2.5	20

26	Characteristics of Cultivars in Korea and China. <i>Molecules</i> , 2020 , 25,	4.8	19
25	Coalescence of functional gold and monodisperse silver nanoparticles mediated by black Meyer root extract. <i>International Journal of Nanomedicine</i> , 2016 , 11, 6621-6634	7.3	19
24	Transcriptome profiling and insilico analysis of <i>Gynostemma pentaphyllum</i> using a next generation sequencer. <i>Plant Cell Reports</i> , 2011 , 30, 2075-83	5.1	18
23	Synthesis and pharmacokinetic characterization of a pH-sensitive polyethylene glycol ginsenoside CK (PEG-CK) conjugate. <i>Bioscience, Biotechnology and Biochemistry</i> , 2014 , 78, 466-8	2.1	14
22	Preparation of Polyethylene Glycol-Ginsenoside Rh1 and Rh2 Conjugates and Their Efficacy against Lung Cancer and Inflammation. <i>Molecules</i> , 2019 , 24,	4.8	13
21	Room temperature synthesis of germanium dioxide nanorods and their in vitro photocatalytic application. <i>Optik</i> , 2019 , 178, 664-668	2.5	13
20	Protopanaxadiol aglycone ginsenoside-polyethylene glycol conjugates: synthesis, physicochemical characterizations, and in vitro studies. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2016 , 44, 1803-1809	6.1	12
19	Synthesis of a Novel β -Glucosyl Ginsenoside F1 by Cyclodextrin Glucanotransferase and Its In Vitro Cosmetic Applications. <i>Biomolecules</i> , 2018 , 8,	5.9	12
18	Facile and green synthesis of zinc oxide particles by <i>Stevia Rebaudiana</i> and its in vitro photocatalytic activity. <i>Inorganic and Nano-Metal Chemistry</i> , 2019 , 49, 1-6	1.2	11
17	Diversity of Ginsenoside Profiles Produced by Various Processing Technologies. <i>Molecules</i> , 2020 , 25,	4.8	11
16	Phytosynthesis of silver nanoparticles using rhizome extract of <i>Alpinia officinarum</i> and their photocatalytic removal of dye under UV and visible light irradiation. <i>Optik</i> , 2020 , 208, 164521	2.5	9
15	Gold Nanoparticles Synthesized with Fresh Leaf Extract Suppress Adipogenesis by Downregulating PPAR/CEBP Signaling in 3T3-L1 Mature Adipocytes. <i>Journal of Nanoscience and Nanotechnology</i> , 2019 , 19, 701-708	1.3	9
14	Development of a single-nucleotide-polymorphism marker for specific authentication of Korean ginseng (Meyer) new cultivar "G-1". <i>Journal of Ginseng Research</i> , 2017 , 41, 31-35	5.8	8
13	Overexpression of sesquiterpene synthase gene confers tolerance against pv. in. <i>Physiology and Molecular Biology of Plants</i> , 2016 , 22, 485-495	2.8	8
12	Till 2018: a survey of biomolecular sequences in genus. <i>Journal of Ginseng Research</i> , 2020 , 44, 33-43	5.8	8
11	Synthesis of hyaluronic acid or O-carboxymethyl chitosan-stabilized ZnO/ginsenoside Rh2 nanocomposites incorporated with aqueous leaf extract of <i>Dendropanax morbifera</i> L'Veille: in vitro studies as potential sunscreen agents. <i>New Journal of Chemistry</i> , 2019 , 43, 9188-9200	3.6	5
10	Anti-obesity Effect of Gold Nanoparticles from <i>Dendropanax morbifera</i> L'Veille by Suppression of Triglyceride Synthesis and Downregulation of PPAR α and CEBP β Signaling Pathways in 3T3-L1 Mature Adipocytes and HepG2 Cells. <i>Current Nanoscience</i> , 2020 , 16, 196-203	1.4	5
9	Silicon confers protective effect against ginseng root rot by regulating sugar efflux into apoplast. <i>Scientific Reports</i> , 2019 , 9, 18259	4.9	5

8	Glycosyltransformation of ginsenoside Rh2 into two novel ginsenosides using recombinant glycosyltransferase from and its applications. <i>Journal of Ginseng Research</i> , 2021 , 45, 48-57	5.8	5
7	Facile reduction and stabilization of ginsenoside-functionalized gold nanoparticles: optimization, characterization, and in vitro cytotoxicity studies. <i>Journal of Nanoparticle Research</i> , 2017 , 19, 1	2.3	4
6	Protective Effect and Potential Antioxidant Role of Kakadu Plum Extracts on Alcohol-Induced Oxidative Damage in HepG2 Cells. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 236	2.6	4
5	Enzymatic Formation of Novel Ginsenoside Rg1- β -Glucosides by Rat Intestinal Homogenates. <i>Applied Biochemistry and Biotechnology</i> , 2015 , 177, 1701-15	3.2	3
4	<i>Lysobacter panacihumi</i> sp. nov., isolated from ginseng cultivated soil. <i>Journal of Microbiology</i> , 2018 , 56, 748-752	3	2
3	<i>Terminalia ferdinandiana</i> (Kakadu Plum)-Mediated Bio-Synthesized ZnO Nanoparticles for Enhancement of Anti-Lung Cancer and Anti-Inflammatory Activities. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 3081	2.6	2
2	<i>Pseudomonas deceptionensis</i> DC5-mediated synthesis of extracellular silver nanoparticles		1
1	Ginsenosides Conversion and Anti-Oxidant Activities in Puffed Cultured Roots of Mountain Ginseng. <i>Processes</i> , 2021 , 9, 2271	2.9	0