

# Ramya Mathiyalagan

## 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.

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	Terminalia ferdinandiana (Kakadu Plum)-Mediated Bio-Synthesized ZnO Nanoparticles for Enhancement of Anti-Lung Cancer and Anti-Inflammatory Activities. <i>Applied Sciences (Switzerland)</i> , <b>2022</b> , 12, 3081	2.6	2
60	Protective Effect and Potential Antioxidant Role of Kakadu Plum Extracts on Alcohol-Induced Oxidative Damage in HepG2 Cells. <i>Applied Sciences (Switzerland)</i> , <b>2022</b> , 12, 236	2.6	4
59	Glycosyltransformation of ginsenoside Rh2 into two novel ginsenosides using recombinant glycosyltransferase from and its applications. <i>Journal of Ginseng Research</i> , <b>2021</b> , 45, 48-57	5.8	5
58	Ginsenosides Conversion and Anti-Oxidant Activities in Puffed Cultured Roots of Mountain Ginseng. <i>Processes</i> , <b>2021</b> , 9, 2271	2.9	0
57	Characteristics of Cultivars in Korea and China. <i>Molecules</i> , <b>2020</b> , 25,	4.8	19
56	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> , <b>2020</b> , 208, 164521	2.5	9
55	Anti-obesity Effect of Gold Nanoparticles from <i>Dendropanax morbifera</i> L'Veilleby Suppression of Triglyceride Synthesis and Downregulation of PPAR $\alpha$ and CEBP $\beta$ Signaling Pathways in 3T3-L1 Mature Adipocytes and HepG2 Cells. <i>Current Nanoscience</i> , <b>2020</b> , 16, 196-203	1.4	5
54	Diversity of Ginsenoside Profiles Produced by Various Processing Technologies. <i>Molecules</i> , <b>2020</b> , 25,	4.8	11
53	Till 2018: a survey of biomolecular sequences in genus. <i>Journal of Ginseng Research</i> , <b>2020</b> , 44, 33-43	5.8	8
52	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> , <b>2019</b> , 43, 9188-9200	3.6	5
51	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> , <b>2019</b> , 184, 324-329	2.5	54
50	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> , <b>2019</b> , 49, 1-6	1.2	11
49	Photocatalytic degradation of industrial dyes using Ag and Au nanoparticles synthesized from <i>Angelica gigas</i> ribbed stem extracts. <i>Optik</i> , <b>2019</b> , 185, 1213-1219	2.5	20
48	<i>Cordyceps militaris</i> fungus mediated Zinc Oxide nanoparticles for the photocatalytic degradation of Methylene blue dye. <i>Optik</i> , <b>2019</b> , 183, 691-697	2.5	39
47	Preparation of Polyethylene Glycol-Ginsenoside Rh1 and Rh2 Conjugates and Their Efficacy against Lung Cancer and Inflammation. <i>Molecules</i> , <b>2019</b> , 24,	4.8	13
46	Silicon confers protective effect against ginseng root rot by regulating sugar efflux into apoplast. <i>Scientific Reports</i> , <b>2019</b> , 9, 18259	4.9	5
45	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> , <b>2019</b> , 19, 701-708	1.3	9

44	Photocatalytic degradation of methylene blue using biosynthesized zinc oxide nanoparticles from bark extract of <i>Kalopanax septemlobus</i> . <i>Optik</i> , <b>2019</b> , 182, 980-985	2.5	51
43	Zinc oxide nanoparticles synthesized by <i>Suaeda japonica</i> Makino and their photocatalytic degradation of methylene blue. <i>Optik</i> , <b>2019</b> , 182, 1015-1020	2.5	29
42	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> , <b>2019</b> , 49, 308-315	4.5	35
41	Room temperature synthesis of germanium dioxide nanorods and their in vitro photocatalytic application. <i>Optik</i> , <b>2019</b> , 178, 664-668	2.5	13
40	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> , <b>2018</b> , 42, 42-49	5.8	32
39	Assessment of radical scavenging, whitening and moisture retention activities of Panax ginseng berry mediated gold nanoparticles as safe and efficient novel cosmetic material. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , <b>2018</b> , 46, 333-340	6.1	24
38	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> , <b>2018</b> , 42, 327-333	5.8	37
37	Molecular signaling of ginsenosides Rb1, Rg1, and Rg3 and their mode of actions. <i>Journal of Ginseng Research</i> , <b>2018</b> , 42, 123-132	5.8	111
36	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> , <b>2018</b> , 46, 108-117	6.1	75
35	Biological synthesis of gold and silver chloride nanoparticles by <i>Glycyrrhiza uralensis</i> and in vitro applications. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , <b>2018</b> , 46, 303-312	6.1	60
34	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> , <b>2018</b> , 172, 1179-1186	2.5	37
33	Synthesis of a Novel $\beta$ -Glucosyl Ginsenoside F1 by Cyclodextrin Glucanotransferase and Its In Vitro Cosmetic Applications. <i>Biomolecules</i> , <b>2018</b> , 8,	5.9	12
32	<i>Lysobacter panacihumi</i> sp. nov., isolated from ginseng cultivated soil. <i>Journal of Microbiology</i> , <b>2018</b> , 56, 748-752	3	2
31	Development of a single-nucleotide-polymorphism marker for specific authentication of Korean ginseng ( Meyer) new cultivar "G-1". <i>Journal of Ginseng Research</i> , <b>2017</b> , 41, 31-35	5.8	8
30	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> , <b>2017</b> , 12, 46	5	66
29	Green synthesis of gold and silver nanoparticles using aqueous extract of <i>Cibotium barometz</i> root. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , <b>2017</b> , 45, 1548-1555	6.1	35
28	Facile reduction and stabilization of ginsenoside-functionalized gold nanoparticles: optimization, characterization, and in vitro cytotoxicity studies. <i>Journal of Nanoparticle Research</i> , <b>2017</b> , 19, 1	2.3	4
27	<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> , <b>2017</b> , 93, 995-1003	7.5	28

26	Gold nanoparticles synthesized using Panax ginseng leaves suppress inflammatory - mediators production via blockade of NF- $\kappa$ B activation in macrophages. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , <b>2017</b> , 45, 270-276	6.1	30
25	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> , <b>2017</b> , 12, 709-723	7.3	62
24	<i>Pseudomonas deceptionensis</i> DC5-mediated synthesis of extracellular silver nanoparticles. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , <b>2016</b> , 44, 1576-81	6.1	59
23	<i>Weissella oryzae</i> DC6-facilitated green synthesis of silver nanoparticles and their antimicrobial potential. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , <b>2016</b> , 44, 1569-75	6.1	63
22	Microbial synthesis of Flower-shaped gold nanoparticles. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , <b>2016</b> , 44, 1469-74	6.1	41
21	Biogenic silver and gold nanoparticles synthesized using red ginseng root extract, and their applications. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , <b>2016</b> , 44, 811-6	6.1	63
20	Green synthesis of silver nanoparticles by <i>Bacillus methylotrophicus</i> , and their antimicrobial activity. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , <b>2016</b> , 44, 1127-32	6.1	88
19	The development of a green approach for the biosynthesis of silver and gold nanoparticles by using Panax ginseng root extract, and their biological applications. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , <b>2016</b> , 44, 1150-7	6.1	61
18	Anticancer activity of silver nanoparticles from Panax ginseng fresh leaves in human cancer cells. <i>Biomedicine and Pharmacotherapy</i> , <b>2016</b> , 84, 158-165	7.5	86
17	Overexpression of sesquiterpene synthase gene confers tolerance against pv. in. <i>Physiology and Molecular Biology of Plants</i> , <b>2016</b> , 22, 485-495	2.8	8
16	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> , <b>2016</b> , 52, 1012-1019	2.6	23
15	Extracellular synthesis of silver and gold nanoparticles by <i>Sporosarcina koreensis</i> DC4 and their biological applications. <i>Enzyme and Microbial Technology</i> , <b>2016</b> , 86, 75-83	3.8	117
14	Protopanaxadiol aglycone ginsenoside-polyethylene glycol conjugates: synthesis, physicochemical characterizations, and in vitro studies. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , <b>2016</b> , 44, 1803-1809	6.1	12
13	Characterization and antimicrobial application of biosynthesized gold and silver nanoparticles by using <i>Microbacterium resistens</i> . <i>Artificial Cells, Nanomedicine and Biotechnology</i> , <b>2016</b> , 44, 1714-21	6.1	29
12	Coalescence of functional gold and monodisperse silver nanoparticles mediated by black Meyer root extract. <i>International Journal of Nanomedicine</i> , <b>2016</b> , 11, 6621-6634	7.3	19
11	Green synthesis of multifunctional silver and gold nanoparticles from the oriental herbal adaptogen: Siberian ginseng. <i>International Journal of Nanomedicine</i> , <b>2016</b> , 11, 3131-43	7.3	55
10	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> , <b>2016</b> , 11, 3691-701	7.3	85
9	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> , <b>2016</b> , 95, 85-93	3.8	88

8	Enzymatic Formation of Novel Ginsenoside Rg1- $\beta$ -Glucosides by Rat Intestinal Homogenates. <i>Applied Biochemistry and Biotechnology</i> , <b>2015</b> , 177, 1701-15	3.2	3
7	Biosynthesis of Anisotropic Silver Nanoparticles by <i>Bhargavaea indica</i> and Their Synergistic Effect with Antibiotics against Pathogenic Microorganisms. <i>Journal of Nanomaterials</i> , <b>2015</b> , 2015, 1-10	3.2	45
6	Synthesis and pharmacokinetic characterization of a pH-sensitive polyethylene glycol ginsenoside CK (PEG-CK) conjugate. <i>Bioscience, Biotechnology and Biochemistry</i> , <b>2014</b> , 78, 466-8	2.1	14
5	Ginsenoside compound K-bearing glycol chitosan conjugates: synthesis, physicochemical characterization, and in vitro biological studies. <i>Carbohydrate Polymers</i> , <b>2014</b> , 112, 359-66	10.3	52
4	Transcript expression profiling for adventitious roots of <i>Panax ginseng</i> Meyer. <i>Gene</i> , <b>2014</b> , 546, 89-96	3.8	30
3	In silico profiling of microRNAs in Korean ginseng ( <i>Panax ginseng</i> Meyer). <i>Journal of Ginseng Research</i> , <b>2013</b> , 37, 227-47	5.8	25
2	Transcriptome profiling and in silico analysis of <i>Gynostemma pentaphyllum</i> using a next generation sequencer. <i>Plant Cell Reports</i> , <b>2011</b> , 30, 2075-83	5.1	18
1	<i>Pseudomonas deceptionensis</i> DC5-mediated synthesis of extracellular silver nanoparticles		1