

Deok-Chun Yang

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.

135
papers

4,828
citations

38
h-index

65
g-index

144
ext. papers

5,987
ext. citations

4.5
avg, IF

6.05
L-index

| # | Paper | IF | Citations |
|-----|---|------|-----------|
| 135 | Biological Synthesis of Nanoparticles from Plants and Microorganisms. <i>Trends in Biotechnology</i> , 2016 , 34, 588-599 | 15.1 | 796 |
| 134 | Biosynthesis and biotechnological production of ginsenosides. <i>Biotechnology Advances</i> , 2015 , 33, 717-3517.8 | 17.8 | 191 |
| 133 | Biosynthesis, characterization, and antimicrobial applications of silver nanoparticles. <i>International Journal of Nanomedicine</i> , 2015 , 10, 2567-77 | 7.3 | 117 |
| 132 | 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 |
| 131 | A strategic approach for rapid synthesis of gold and silver nanoparticles by <i>Panax ginseng</i> leaves. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2016 , 44, 1949-1957 | 6.1 | 116 |
| 130 | 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 |
| 129 | mACPPred: A Support Vector Machine-Based Meta-Predictor for Identification of Anticancer Peptides. <i>International Journal of Molecular Sciences</i> , 2019 , 20, | 6.3 | 90 |
| 128 | Functional analysis of 3-hydroxy-3-methylglutaryl coenzyme a reductase encoding genes in triterpene saponin-producing ginseng. <i>Plant Physiology</i> , 2014 , 165, 373-87 | 6.6 | 90 |
| 127 | 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 |
| 126 | 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 |
| 125 | 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 |
| 124 | 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 |
| 123 | Ginsenoside profiles and related gene expression during foliation in <i>Panax ginseng</i> Meyer. <i>Journal of Ginseng Research</i> , 2014 , 38, 66-72 | 5.8 | 84 |
| 122 | Genome and evolution of the shade-requiring medicinal herb <i>Panax ginseng</i> . <i>Plant Biotechnology Journal</i> , 2018 , 16, 1904-1917 | 11.6 | 77 |
| 121 | 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 |
| 120 | <i>Paenibacillus yonginensis</i> DCY84(T) induces changes in <i>Arabidopsis thaliana</i> gene expression against aluminum, drought, and salt stress. <i>Microbiological Research</i> , 2015 , 172, 7-15 | 5.3 | 71 |
| 119 | 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 |

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| 118 | 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 |
| 117 | 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 |
| 116 | Effect of white, red and black ginseng on physicochemical properties and ginsenosides. <i>Plant Foods for Human Nutrition</i> , 2015 , 70, 141-5 | 3.9 | 61 |
| 115 | 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> , 2016 , 44, 1150-7 | 6.1 | 61 |
| 114 | Biological synthesis of gold and silver chloride nanoparticles by Glycyrrhiza uralensis and in vitro applications. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018 , 46, 303-312 | 6.1 | 60 |
| 113 | Synthesis of panos extract mediated ZnO nano-flowers as photocatalyst for industrial dye degradation by UV illumination. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2019 , 199, 111588-7 | 6.7 | 57 |
| 112 | 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 |
| 111 | Green synthesis of zinc oxide nanoparticles from root extract of Scutellaria baicalensis and its photocatalytic degradation activity using methylene blue. <i>Optik</i> , 2019 , 184, 324-329 | 2.5 | 54 |
| 110 | Enzymatic biotransformation of ginsenoside Rb1 to compound K by recombinant Eglucosidase from Microbacterium esteraromaticum. <i>Journal of Agricultural and Food Chemistry</i> , 2012 , 60, 3776-81 | 5.7 | 54 |
| 109 | -species complex: Causative agent of ginseng root-rot disease and 'rusty' symptoms. <i>Journal of Ginseng Research</i> , 2018 , 42, 9-15 | 5.8 | 53 |
| 108 | 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 |
| 107 | In vitro anti-inflammatory activity of spherical silver nanoparticles and monodisperse hexagonal gold nanoparticles by fruit extract of Prunus serrulata: a green synthetic approach. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018 , 46, 2022-2032 | 6.1 | 52 |
| 106 | Ginseng saponins and the treatment of osteoporosis: mini literature review. <i>Journal of Ginseng Research</i> , 2013 , 37, 261-8 | 5.8 | 52 |
| 105 | Ginsenoside Rg5:Rk1 attenuates TNF- α /IFN- γ -induced production of thymus- and activation-regulated chemokine (TARC/CCL17) and LPS-induced NO production via downregulation of NF- κ B/p38 MAPK/STAT1 signaling in human keratinocytes and macrophages. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2014 , 52, 287-295 | 2.6 | 51 |
| 104 | Photocatalytic degradation of methylene blue using biosynthesized zinc oxide nanoparticles from bark extract of Kalopanax septemlobus. <i>Optik</i> , 2019 , 182, 980-985 | 2.5 | 51 |
| 103 | Biosynthesis of Anisotropic Silver Nanoparticles by Bhargavaea indica and Their Synergistic Effect with Antibiotics against Pathogenic Microorganisms. <i>Journal of Nanomaterials</i> , 2015 , 2015, 1-10 | 3.2 | 45 |
| 102 | Biosynthesized gold and silver nanoparticles by aqueous fruit extract of Chaenomeles sinensis and screening of their biomedical activities. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018 , 46, 599-606 | 6.1 | 43 |
| 101 | Microbial synthesis of Flower-shaped gold nanoparticles. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2016 , 44, 1469-74 | 6.1 | 41 |

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| 100 | Cordyceps militaris fungus mediated Zinc Oxide nanoparticles for the photocatalytic degradation of Methylene blue dye. <i>Optik</i> , 2019 , 183, 691-697 | 2.5 | 39 |
| 99 | Burkholderia ginsengiterrae sp. nov. and Burkholderia panaciterrae sp. nov., antagonistic bacteria against root rot pathogen Cylindrocarpon destructans, isolated from ginseng soil. <i>Archives of Microbiology</i> , 2015 , 197, 439-47 | 3 | 38 |
| 98 | Transcript profiling of antioxidant genes during biotic and abiotic stresses in Panax ginseng C. A. Meyer. <i>Molecular Biology Reports</i> , 2011 , 38, 2761-9 | 2.8 | 38 |
| 97 | Bovine serum albumin as a nanocarrier for the efficient delivery of ginsenoside compound K: preparation, physicochemical characterizations and in vitro biological studies. <i>RSC Advances</i> , 2017 , 7, 15397-15407 | 3.7 | 37 |
| 96 | 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 |
| 95 | Synthesis of zinc oxide nanoparticles from immature fruits of Rubus coreanus and its catalytic activity for degradation of industrial dye. <i>Optik</i> , 2018 , 172, 1179-1186 | 2.5 | 37 |
| 94 | Synthesis of a Zinc Oxide Nanoflower Photocatalyst from Sea Buckthorn Fruit for Degradation of Industrial Dyes in Wastewater Treatment. <i>Nanomaterials</i> , 2019 , 9, | 5.4 | 37 |
| 93 | Caspase-3/MAPK pathways as main regulators of the apoptotic effect of the phyto-mediated synthesized silver nanoparticle from dried stem of Eleutherococcus senticosus in human cancer cells. <i>Biomedicine and Pharmacotherapy</i> , 2018 , 99, 128-133 | 7.5 | 36 |
| 92 | Green synthesis of gold and silver nanoparticles using aqueous extract of Cibotium barometz root. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2017 , 45, 1548-1555 | 6.1 | 35 |
| 91 | Facile synthesis of Au and Ag nanoparticles using fruit extract of Lycium chinense and their anticancer activity. <i>Journal of Drug Delivery Science and Technology</i> , 2019 , 49, 308-315 | 4.5 | 35 |
| 90 | Chemical conversion of ginsenosides in puffed red ginseng. <i>LWT - Food Science and Technology</i> , 2011 , 44, 370-374 | 5.4 | 34 |
| 89 | Bioconversion of ginsenoside Rb1 into compound K by Leuconostoc citreum LH1 isolated from kimchi. <i>Brazilian Journal of Microbiology</i> , 2011 , 42, 1227-1237 | 2.2 | 34 |
| 88 | Ginsenoside F2 possesses anti-obesity activity via binding with PPAR α and inhibiting adipocyte differentiation in the 3T3-L1 cell line. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2015 , 30, 9-14 | 5.6 | 33 |
| 87 | 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 |
| 86 | Transcript expression profiling for adventitious roots of Panax ginseng Meyer. <i>Gene</i> , 2014 , 546, 89-96 | 3.8 | 30 |
| 85 | Gold nanoparticles synthesized using Panax ginseng 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 |
| 84 | Gold nanoflowers synthesized using Acanthopanax cortex extract inhibit inflammatory mediators in LPS-induced RAW264.7 macrophages via NF- κ B and AP-1 pathways. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018 , 162, 398-404 | 6 | 30 |
| 83 | Characterization and antimicrobial application of biosynthesized gold and silver nanoparticles by using Microbacterium resistens. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2016 , 44, 1714-21 | 6.1 | 29 |

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| 82 | Suppression of MAPKs/NF- κ B Activation Induces Intestinal Anti-Inflammatory Action of Ginsenoside Rf in HT-29 and RAW264.7 Cells. <i>Immunological Investigations</i> , 2016 , 45, 439-49 | 2.9 | 29 |
| 81 | Zinc oxide nanoparticles synthesized by Suaeda japonica Makino and their photocatalytic degradation of methylene blue. <i>Optik</i> , 2019 , 182, 1015-1020 | 2.5 | 29 |
| 80 | Pleuropterus multiflorus (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 |
| 79 | Pharmacological importance, characterization and applications of gold and silver nanoparticles synthesized by Panax ginseng fresh leaves. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2017 , 45, 1415-1424 | 6.1 | 28 |
| 78 | Inhibition of Osteoclast Differentiation by Ginsenoside Rg3 in RAW264.7 Cells via RANKL, JNK and p38 MAPK Pathways Through a Modulation of Cathepsin K: An In Silico and In Vitro Study. <i>Phytotherapy Research</i> , 2015 , 29, 1286-1294 | 6.7 | 26 |
| 77 | In situ preparation of water-soluble ginsenoside Rh2-entrapped bovine serum albumin nanoparticles: in vitro cytocompatibility studies. <i>International Journal of Nanomedicine</i> , 2017 , 12, 4073-4084 | 7.3 | 25 |
| 76 | In silico profiling of microRNAs in Korean ginseng (Panax ginseng Meyer). <i>Journal of Ginseng Research</i> , 2013 , 37, 227-47 | 5.8 | 25 |
| 75 | Structural investigation of ginsenoside Rf with PPAR γ major transcriptional factor of adipogenesis and its impact on adipocyte. <i>Journal of Ginseng Research</i> , 2015 , 39, 141-7 | 5.8 | 24 |
| 74 | 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> , 2018 , 46, 333-340 | 6.1 | 24 |
| 73 | Biosynthesis of zinc oxide nanoparticles by one-pot green synthesis using fruit extract of Amomum longiligulare and its activity as a photocatalyst. <i>Optik</i> , 2020 , 218, 165245 | 2.5 | 24 |
| 72 | Silver nanoparticles from Dendropanax morbifera L'Herit. 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 |
| 71 | Enzymatic Transformation of Ginsenoside Rb1 by Lactobacillus pentosus Strain 6105 from Kimchi. <i>Journal of Ginseng Research</i> , 2012 , 36, 291-7 | 5.8 | 21 |
| 70 | Development of Lactobacillus kimchicus DCY51-mediated gold nanoparticles for delivery of ginsenoside compound K: in vitro photothermal effects and apoptosis detection in cancer cells. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2019 , 47, 30-44 | 6.1 | 20 |
| 69 | Photocatalytic degradation of industrial dyes using Ag and Au nanoparticles synthesized from Angelica gigas ribbed stem extracts. <i>Optik</i> , 2019 , 185, 1213-1219 | 2.5 | 20 |
| 68 | Photoluminescent And Self-Assembled Hyaluronic Acid-Zinc Oxide-Ginsenoside Rh2 Nanoparticles And Their Potential Caspase-9 Apoptotic Mechanism Towards Cancer Cell Lines. <i>International Journal of Nanomedicine</i> , 2019 , 14, 8195-8208 | 7.3 | 20 |
| 67 | Characteristics of Cultivars in Korea and China. <i>Molecules</i> , 2020 , 25, | 4.8 | 19 |
| 66 | 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 |
| 65 | Metabolic dynamics and physiological adaptation of Panax ginseng during development. <i>Plant Cell Reports</i> , 2018 , 37, 393-410 | 5.1 | 18 |

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| 64 | Engineering of mesoporous silica nanoparticles for release of ginsenoside CK and Rh2 to enhance their anticancer and anti-inflammatory efficacy: in vitro studies. <i>Journal of Nanoparticle Research</i> , 2017 , 19, 1 | 2.3 | 17 |
| 63 | Biosynthesis of gold and silver chloride nanoparticles mediated by <i>Crataegus pinnatifida</i> fruit extract: in vitro study of anti-inflammatory activities. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018 , 46, 1530-1540 | 6.1 | 16 |
| 62 | PgLOX6 encoding a lipoxygenase contributes to jasmonic acid biosynthesis and ginsenoside production in <i>Panax ginseng</i> . <i>Journal of Experimental Botany</i> , 2016 , 67, 6007-6019 | 7 | 16 |
| 61 | Synthesis of zinc oxide nanoparticles from <i>Gynostemma pentaphyllum</i> extracts and assessment of photocatalytic properties through malachite green dye decolorization under UV illumination-A Green Approach. <i>Optik</i> , 2021 , 239, 166249 | 2.5 | 16 |
| 60 | Advances in Saponin Diversity of. <i>Molecules</i> , 2020 , 25, | 4.8 | 15 |
| 59 | Siderophore-producing rhizobacteria reduce heavy metal-induced oxidative stress in Meyer. <i>Journal of Ginseng Research</i> , 2021 , 45, 218-227 | 5.8 | 15 |
| 58 | 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 |
| 57 | Enzymatic transformation of ginseng leaf saponin by recombinant β -glucosidase (bgp1) and its efficacy in an adipocyte cell line. <i>Biotechnology and Applied Biochemistry</i> , 2016 , 63, 532-8 | 2.8 | 13 |
| 56 | 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 |
| 55 | Room temperature synthesis of germanium dioxide nanorods and their in vitro photocatalytic application. <i>Optik</i> , 2019 , 178, 664-668 | 2.5 | 13 |
| 54 | Cross Interaction Between <i>Ilyonectria mors-panacis</i> Isolates Infecting Korean Ginseng and Ginseng Saponins in Correlation with Their Pathogenicity. <i>Phytopathology</i> , 2017 , 107, 561-569 | 3.8 | 12 |
| 53 | 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 |
| 52 | Pathogenesis strategies and regulation of ginsenosides by two species of in : power of speciation. <i>Journal of Ginseng Research</i> , 2020 , 44, 332-340 | 5.8 | 12 |
| 51 | 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 |
| 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> , 2019 , 49, 1-6 | 1.2 | 11 |
| 49 | Diversity of Ginsenoside Profiles Produced by Various Processing Technologies. <i>Molecules</i> , 2020 , 25, | 4.8 | 11 |
| 48 | Rhizome of <i>Anemarrhena asphodeloides</i> as mediators of the eco-friendly synthesis of silver and gold spherical, face-centred cubic nanocrystals and its anti-migratory and cytotoxic potential in normal and cancer cell lines. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018 , 46, 285-294 | 6.1 | 10 |
| 47 | Three New Ginsenosides from the Heat-Processed Roots of <i>Panax ginseng</i> . <i>Chemistry of Natural Compounds</i> , 2013 , 49, 882-887 | 0.7 | 10 |

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| 46 | 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 |
| 45 | 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 |
| 44 | Genomic Characterization of a Newly Isolated Rhizobacteria <i>Sphingomonas panacis</i> Reveals Plant Growth Promoting Effect to Rice. <i>Biotechnology and Bioprocess Engineering</i> , 2019 , 24, 119-125 | 3.1 | 8 |
| 43 | In silico screening of ginsenoside Rh1 with PPAR α and in vitro analysis on 3T3-L1 cell line. <i>Molecular Simulation</i> , 2015 , 41, 1219-1226 | 2 | 8 |
| 42 | Complete genome sequence of DCY84, a novel plant Symbiont that promotes growth via induced systemic resistance. <i>Standards in Genomic Sciences</i> , 2017 , 12, 63 | | 8 |
| 41 | Ginseng and obesity: Observations from assorted perspectives. <i>Food Science and Biotechnology</i> , 2014 , 23, 1007-1016 | 3 | 8 |
| 40 | <i>Paracaligenes ginsengisoli</i> sp. nov., isolated from ginseng cultivated soil. <i>Antonie Van Leeuwenhoek</i> , 2015 , 108, 619-26 | 2.1 | 7 |
| 39 | Fungus Extracts-Mediated Nanoemulsion for Improvement Antioxidant, Antimicrobial, and Anti-Inflammatory Activities. <i>Molecules</i> , 2020 , 25, | 4.8 | 7 |
| 38 | Development of interspecies hybrids to increase ginseng biomass and ginsenoside yield. <i>Plant Cell Reports</i> , 2016 , 35, 779-90 | 5.1 | 7 |
| 37 | Microbial ketonization of ginsenosides F1 and C-K by <i>Lactobacillus brevis</i> . <i>Antonie Van Leeuwenhoek</i> , 2014 , 106, 1215-21 | 2.1 | 7 |
| 36 | Extract-Mediated ZnO Nanoparticles Loaded with Indole-3-Carbinol for Enhancement of Anticancer Efficacy in the A549 Human Lung Carcinoma Cell Line. <i>Materials</i> , 2020 , 13, | 3.5 | 7 |
| 35 | Fermentation of soybean hull by <i>Monascus pilosus</i> and elucidation of its related molecular mechanism involved in the inhibition of lipid accumulation. An in silico and in vitro approach. <i>Journal of Food Biochemistry</i> , 2018 , 42, e12442 | 3.3 | 6 |
| 34 | Microbial deglycosylation and ketonization of ginsenoside by <i>Cladosporium cladosporioide</i> and their anticancer activity. <i>Antonie Van Leeuwenhoek</i> , 2016 , 109, 179-85 | 2.1 | 6 |
| 33 | Development of species-specific chloroplast markers for the authentication of <i>Gynostemma pentaphyllum</i> and their distribution in the Korean peninsula. <i>Phytotherapy</i> , 2019 , 138, 104295 | 3.2 | 6 |
| 32 | Molecular identification of oriental medicinal plant <i>Schizonepeta tenuifolia bunge</i> (Hyung-Gae) by multiplex PCR. <i>Plant Biotechnology Reports</i> , 2010 , 4, 223-228 | 2.5 | 6 |
| 31 | NOVEL APPLICATION OF CULTURED ROOTS OF MOUNTAIN GINSENG (PANAX GINSENG MEYER) AND GINSENSIDE RE AS SAFE ANTIMELANOGENIC COSMECEUTICAL COMPONENTS. <i>Tropical Journal of Obstetrics and Gynaecology</i> , 2017 , 14, 209-218 | 0.3 | 6 |
| 30 | <i>Lactobacillus vespulae</i> sp. nov., isolated from gut of a queen wasp (<i>Vespula vulgaris</i>). <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2015 , 65, 3326-3332 | 2.2 | 6 |
| 29 | <i>Flavobacterium panacis</i> sp. nov., isolated from rhizosphere of <i>Panax ginseng</i> . <i>Antonie Van Leeuwenhoek</i> , 2016 , 109, 1199-208 | 2.1 | 6 |

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| 28 | 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 |
| 27 | Biosynthesis of gold and silver nanoparticles from <i>Scutellaria baicalensis</i> roots and in vitro applications. <i>Applied Physics A: Materials Science and Processing</i> , 2020 , 126, 1 | 2.6 | 5 |
| 26 | Comprehensive Genome Analysis on the Novel Species DCY99 Reveals Insights into Iron Tolerance of Ginseng. <i>International Journal of Molecular Sciences</i> , 2020 , 21, | 6.3 | 5 |
| 25 | 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 |
| 24 | Mass production of coumestrol from soybean (<i>Glycine max</i>) adventitious roots through bioreactor: effect on collagen production. <i>Plant Biotechnology Reports</i> , 2020 , 14, 99-110 | 2.5 | 5 |
| 23 | Silicon confers protective effect against ginseng root rot by regulating sugar efflux into apoplast. <i>Scientific Reports</i> , 2019 , 9, 18259 | 4.9 | 5 |
| 22 | 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 |
| 21 | Synthesis and characterization of glycol chitosan coated selenium nanoparticles acts synergistically to alleviate oxidative stress and increase ginsenoside content in <i>Panax ginseng</i> . <i>Carbohydrate Polymers</i> , 2021 , 267, 118195 | 10.3 | 5 |
| 20 | Scale-up of green synthesis and characterization of silver nanoparticles using ethanol extract of <i>Plantago major</i> L. leaf and its antibacterial potential. <i>South African Journal of Chemical Engineering</i> , 2021 , 38, 1-8 | 3.2 | 5 |
| 19 | 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 |
| 18 | Chloroplast DNA-derived markers for the authentication of oriental medicinal <i>Rubus</i> species and mistaken identity of bokbunja in the local markets of Korea. <i>Plant Biotechnology Reports</i> , 2019 , 13, 305-314 | 2.5 | 4 |
| 17 | Functional Genomic Approaches in Plant Research 2017 , 215-239 | | 4 |
| 16 | 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 |
| 15 | Ginsenoside F1 attenuates lipid accumulation and triglycerides content in 3T3-L1 adipocytes with the modulation of reactive oxygen species (ROS) production through PPAR α -JAK2 signaling responses. <i>Medicinal Chemistry Research</i> , 2017 , 26, 1042-1051 | 2.2 | 3 |
| 14 | Interspecies hybrids of <i>Panax ginseng</i> Meyer new line 0837 and <i>Panax quinquefolius</i> generated superior F1 hybrids with greater biomass and ginsenoside contents. <i>Horticulture Environment and Biotechnology</i> , 2019 , 60, 573-583 | 2 | 3 |
| 13 | 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 |
| 12 | Discrimination of Korean ginseng (Meyer) cultivar Chunpoong and American ginseng () using the gene. <i>Journal of Ginseng Research</i> , 2016 , 40, 395-399 | 5.8 | 3 |
| 11 | Antimicrobial, antioxidant, and anticancer potentials of AgCl nanoparticles biosynthesized by <i>Flavobacterium panacis</i> . <i>Applied Physics A: Materials Science and Processing</i> , 2021 , 127, 1 | 2.6 | 3 |

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| 10 | Paraburkholderia panacisoli sp. nov., a potentially antagonistic bacterium against the root rot fungal pathogen Cylindrocarpon destructans, isolated from ginseng cultivation soil. <i>Archives of Microbiology</i> , 2020 , 202, 1341-1347 | 3 | 2 |
| 9 | Molecular and morphological discrimination of <i>Chrysanthemum indicum</i> using allele-specific PCR and T-shaped trichome. <i>Molecular Biology Reports</i> , 2020 , 47, 7699-7708 | 2.8 | 2 |
| 8 | Cumulative Production of Bioactive Rg3, Rg5, Rk1, and CK from Fermented Black Ginseng Using Novel <i>Aspergillus niger</i> KHNT-1 Strain Isolated from Korean Traditional Food. <i>Processes</i> , 2021 , 9, 227 | 2.9 | 2 |
| 7 | <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 |
| 6 | Fermented Antler Recovers Stamina, Muscle Strength and Muscle Mass in Middle-Aged Mice. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 106 | 2.6 | 2 |
| 5 | Whitening and inhibiting NF- κ B-mediated inflammation properties of the biotransformed green ginseng berry of new cultivar K1, ginsenoside Rg2 enriched, on B16 and LPS-stimulated RAW 264.7 cells. <i>Journal of Ginseng Research</i> , 2021 , 45, 631-641 | 5.8 | 1 |
| 4 | <i>Bombilactobacillus apium</i> sp. nov., isolated from the gut of honeybee (<i>Apis cerana</i>). <i>Archives of Microbiology</i> , 2021 , 203, 2193-2198 | 3 | 1 |
| 3 | In Vitro Evaluation of Anti-Lung Cancer and Anti-COVID-19 Effects using Fermented Black Color Ginseng Extract. <i>Natural Product Communications</i> , 2021 , 16, 1934578X2110343 | 0.9 | 1 |
| 2 | Gold Nanoparticles Green-Synthesized by the <i>Suaeda japonica</i> Leaf Extract and Screening of Anti-Inflammatory Activities on RAW 267.4 Macrophages. <i>Coatings</i> , 2022 , 12, 460 | 2.9 | 1 |
| 1 | Ginsenosides Conversion and Anti-Oxidant Activities in Puffed Cultured Roots of Mountain Ginseng. <i>Processes</i> , 2021 , 9, 2271 | 2.9 | 0 |