

Han-Seung Shin

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/507898/publications.pdf>

Version: 2024-02-01

99
papers

8,240
citations

172386

29
h-index

49868

87
g-index

99
all docs

99
docs citations

99
times ranked

11758
citing authors

#	ARTICLE	IF	CITATIONS
1	Pharmaceutical Importance of Some Promising Plant Species with Special Reference to the Isolation and Extraction of Bioactive Compounds: A Review. <i>Current Pharmaceutical Biotechnology</i> , 2022, 23, 15-29.	0.9	4
2	Determination of volatile organic compounds (VOCs) levels from various smoking cessation aids by using gas chromatography-mass spectrometry methodology. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2022, 85, 110-120.	1.1	6
3	Lignin-Mediated Silver Nanoparticle Synthesis for Photocatalytic Degradation of Reactive Yellow 4G and In Vitro Assessment of Antioxidant, Antidiabetic, and Antibacterial Activities. <i>Polymers</i> , 2022, 14, 648.	2.0	13
4	Evaluation of a GC-MS method for benzyl chloride content in processed food, meats, and marine products distributed in Korea. <i>Food Science and Biotechnology</i> , 2022, 31, 365-376.	1.2	1
5	Development of freshness indicator for monitoring chicken breast quality and freshness during storage. <i>Food Science and Biotechnology</i> , 2022, 31, 377-385.	1.2	8
6	Risk Assessment and Determination of Heavy Metals in Home Meal Replacement Products by Using Inductively Coupled Plasma Mass Spectrometry and Direct Mercury Analyzer. <i>Foods</i> , 2022, 11, 504.	1.9	7
7	Developing Microbial Co-Culture System for Enhanced Polyhydroxyalkanoates (PHA) Production Using Acid Pretreated Lignocellulosic Biomass. <i>Polymers</i> , 2022, 14, 726.	2.0	11
8	Significance of Immune Status of SARS-CoV-2 Infected Patients in Determining the Efficacy of Therapeutic Interventions. <i>Journal of Personalized Medicine</i> , 2022, 12, 349.	1.1	3
9	Fate of Bioactive Compounds during Lactic Acid Fermentation of Fruits and Vegetables. <i>Foods</i> , 2022, 11, 733.	1.9	13
10	Multitherapeutic Efficacy of Curly Kale Extract Fabricated Biogenic Silver Nanoparticles. <i>International Journal of Nanomedicine</i> , 2022, Volume 17, 1125-1137.	3.3	9
11	Inhibitory Effect of Lotusine on Solar UV-Induced Matrix Metalloproteinase-1 Expression. <i>Plants</i> , 2022, 11, 773.	1.6	5
12	Cactus: Chemical, nutraceutical composition and potential bio-pharmacological properties. <i>Phytotherapy Research</i> , 2021, 35, 1248-1283.	2.8	12
13	Analytical Method for the Determination of Polycyclic Aromatic Hydrocarbons from Various Ready-to-Eat Food Products in Korea. <i>Polycyclic Aromatic Compounds</i> , 2021, 41, 653-662.	1.4	3
14	A comprehensive review on the applications of nano-biosensor-based approaches for non-communicable and communicable disease detection. <i>Biomaterials Science</i> , 2021, 9, 3576-3602.	2.6	45
15	Molecular Docking Studies and Biological Evaluation of Berberine-Benzothiazole Derivatives as an Anti-Influenza Agent via Blocking of Neuraminidase. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2368.	1.8	11
16	Characterization and Evaluation of Multiple Biological Activities of Silver Nanoparticles Fabricated from Dragon Tongue Bean Outer Peel Extract. <i>International Journal of Nanomedicine</i> , 2021, Volume 16, 977-987.	3.3	6
17	Determination of polycyclic aromatic hydrocarbons (PAHs) in smoking cessation aids by using high-performance liquid chromatography. <i>Analytical Biochemistry</i> , 2021, 617, 114119.	1.1	10
18	Systematics, Phytochemistry, Biological Activities and Health Promoting Effects of the Plants from the Subfamily Bombacoideae (Family Malvaceae). <i>Plants</i> , 2021, 10, 651.	1.6	11

#	ARTICLE	IF	CITATIONS
19	Reduction of Polycyclic Aromatic Hydrocarbons (PAHs) in Sesame Oil Using Cellulosic Aerogel. <i>Foods</i> , 2021, 10, 644.	1.9	7
20	Plant Species of Sub-Family Valerianaceae – A Review on Its Effect on the Central Nervous System. <i>Plants</i> , 2021, 10, 846.	1.6	18
21	Inhibition of Solar UV-Induced Matrix Metalloproteinase (MMP)-1 Expression by Non-Enzymatic Softening Cherry Blossom (<i>Prunus yedoensis</i>) Extract. <i>Plants</i> , 2021, 10, 1016.	1.6	4
22	Evaluation of analytical method for polycyclic aromatic hydrocarbons content in home meal replacement products by GC/MS. <i>Food Science and Biotechnology</i> , 2021, 30, 891-900.	1.2	0
23	Polycyclic Aromatic Hydrocarbon Risk Assessment and Analytical Methods Using QuEChERS Pretreatment for the Evaluation of Herbal Medicine Ingredients in Korea. <i>Foods</i> , 2021, 10, 2200.	1.9	7
24	Anti-obesity effects of galla rhois via genetic regulation of adipogenesis. <i>Biomedicine and Pharmacotherapy</i> , 2021, 142, 112063.	2.5	2
25	Korean traditional foods as antiviral and respiratory disease prevention and treatments: A detailed review. <i>Trends in Food Science and Technology</i> , 2021, 116, 415-433.	7.8	26
26	Grape Pomace Extracted Tannin for Green Synthesis of Silver Nanoparticles: Assessment of Their Antidiabetic, Antioxidant Potential and Antimicrobial Activity. <i>Polymers</i> , 2021, 13, 4355.	2.0	24
27	Application of Sericin-Based Materials in Food Packaging: An Overview. , 2021, 6, .		0
28	An Overview of Recent Advancements in Microbial Polyhydroxyalkanoates (PHA) Production from Dark Fermentation Acidogenic Effluents: A Path to an Integrated Bio-Refinery. <i>Polymers</i> , 2021, 13, 4297.	2.0	9
29	Analytical methods for determination of carbonyl compounds and nicotine in electronic No-Smoking aid refill solutions. <i>Analytical Biochemistry</i> , 2020, 588, 113470.	1.1	7
30	<p>Comparative Assessment of Antioxidant, Anti-Diabetic and Cytotoxic Effects of Three Peel/Shell Food Waste Extract-Mediated Silver Nanoparticles</p>. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 9075-9088.	3.3	15
31	Exploiting Fruit Waste Grape Pomace for Silver Nanoparticles Synthesis, Assessing Their Antioxidant, Antidiabetic Potential and Antibacterial Activity Against Human Pathogens: A Novel Approach. <i>Nanomaterials</i> , 2020, 10, 1457.	1.9	50
32	Plants of the Genus Terminalia: An Insight on Its Biological Potentials, Pre-Clinical and Clinical Studies. <i>Frontiers in Pharmacology</i> , 2020, 11, 561248.	1.6	26
33	Utilization of Noxious Weed Water Hyacinth Biomass as a Potential Feedstock for Biopolymers Production: A Novel Approach. <i>Polymers</i> , 2020, 12, 1704.	2.0	37
34	Anti-Melanogenesis Activity of 6-O-Isobutyrylbritannilactone from <i>Inula britannica</i> on B16F10 Melanocytes and In Vivo Zebrafish Models. <i>Molecules</i> , 2020, 25, 3887.	1.7	14
35	Biosynthesis, and potential effect of fern mediated biocompatible silver nanoparticles by cytotoxicity, antidiabetic, antioxidant and antibacterial, studies. <i>Materials Science and Engineering C</i> , 2020, 114, 111011.	3.8	35
36	Chlortetracycline-Functionalized Silver Nanoparticles as a Colorimetric Probe for Aminoglycosides: Ultrasensitive Determination of Kanamycin and Streptomycin. <i>Nanomaterials</i> , 2020, 10, 997.	1.9	20

#	ARTICLE	IF	CITATIONS
37	2 [±] -Hydroxyeudesma-4,11(13)-Dien-8 ² ,12-Olide Isolated from <i>Inula britannica</i> Induces Apoptosis in Diffuse Large B-cell Lymphoma Cells. <i>Biomolecules</i> , 2020, 10, 324.	1.8	11
38	Traditional fermented foods with anti-aging effect: A concentric review. <i>Food Research International</i> , 2020, 134, 109269.	2.9	47
39	<i>Cordyceps</i> spp.: A Review on Its Immune-Stimulatory and Other Biological Potentials. <i>Frontiers in Pharmacology</i> , 2020, 11, 602364.	1.6	57
40	The Antimelanogenic Effect of Inularin Isolated from Flowers of <i>Inula britannica</i> on B16F10 Melanoma Cells and Zebrafish Embryos. <i>Journal of Microbiology and Biotechnology</i> , 2020, 30, 749-752.	0.9	7
41	Investigation of antioxidant, antibacterial, antidiabetic, and cytotoxicity potential of silver nanoparticles synthesized using the outer peel extract of <i>Ananas comosus</i> (L.). <i>PLoS ONE</i> , 2019, 14, e0220950.	1.1	120
42	Facile green biosynthesis of silver nanoparticles using <i>Pisum sativum</i> L. outer peel aqueous extract and its antidiabetic, cytotoxicity, antioxidant, and antibacterial activity. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 6679-6690.	3.3	43
43	Beneficial effects on skin health using polysaccharides from red ginseng by-product. <i>Journal of Food Biochemistry</i> , 2019, 43, e12961.	1.2	18
44	Sulfonylpiperazines based on a flavone as antioxidant and cytotoxic agents. <i>Archiv Der Pharmazie</i> , 2019, 352, e1900051.	2.1	5
45	Comparative study on antidiabetic, cytotoxicity, antioxidant and antibacterial properties of biosynthesized silver nanoparticles using outer peels of two varieties of <i>Ipomoea batatas</i> (L.) Lam. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 4741-4754.	3.3	30
46	Development of a freshness indicator for monitoring the quality of beef during storage. <i>Food Science and Biotechnology</i> , 2019, 28, 1899-1906.	1.2	40
47	Phenylsulfonyl piperazine bridged [1,3]dioxolo[4,5-g]chromenones as promising antiproliferative and antioxidant agents. <i>Bioorganic Chemistry</i> , 2019, 87, 23-30.	2.0	8
48	The Sustainability Challenge of Food and Environmental Nanotechnology: Current Status and Imminent Perceptions. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 4848.	1.2	19
49	Chemical analysis techniques and investigation of polycyclic aromatic hydrocarbons in fruit, vegetables and meats and their products. <i>Food Chemistry</i> , 2019, 277, 156-161.	4.2	36
50	Pyrrolo[1,2-a]azepines Coupled with Benzothiazole and Fluorinated Aryl Thiourea Scaffolds as Promising Antioxidant and Anticancer Agents. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2019, 19, 1855-1862.	0.9	3
51	Benefaction of probiotics for human health: A review. <i>Journal of Food and Drug Analysis</i> , 2018, 26, 927-939.	0.9	581
52	Exploiting fruit byproducts for eco-friendly nanosynthesis: Citrus <i>Clementina</i> peel extract mediated fabrication of silver nanoparticles with high efficacy against microbial pathogens and rat glial tumor C6 cells. <i>Environmental Science and Pollution Research</i> , 2018, 25, 10250-10263.	2.7	66
53	Factors influencing inhibition of eight polycyclic aromatic hydrocarbons in heated meat model system. <i>Food Chemistry</i> , 2018, 239, 993-1000.	4.2	67
54	Revitalization of plant growth promoting rhizobacteria for sustainable development in agriculture. <i>Microbiological Research</i> , 2018, 206, 131-140.	2.5	765

#	ARTICLE	IF	CITATIONS
55	Synthesis and Evaluation of Antioxidant and Cytotoxicity of the N-Mannich Base of Berberine Bearing Benzothiazole Moieties. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2018, 17, 1652-1660.	0.9	13
56	Nano based drug delivery systems: recent developments and future prospects. <i>Journal of Nanobiotechnology</i> , 2018, 16, 71.	4.2	3,689
57	Therapeutic potential of quercetin as a cardiovascular agent. <i>European Journal of Medicinal Chemistry</i> , 2018, 155, 889-904.	2.6	339
58	Study on formation of nitrated polycyclic aromatic hydrocarbons from different roasting condition in coffee. <i>Journal of Food Science and Technology</i> , 2018, 55, 3991-4000.	1.4	10
59	Photo-mediated Biosynthesis of Silver Nanoparticles Using the Non-edible Accrescent Fruiting Calyx of <i>Physalis peruviana</i> L. Fruits and Investigation of its Radical Scavenging Potential and Cytotoxicity Activities. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 188, 116-125.	1.7	31
60	Editorial: Application of Nanotechnology in Food Science and Food Microbiology. <i>Frontiers in Microbiology</i> , 2018, 9, 714.	1.5	9
61	Berberine-piperazine conjugates as potent influenza neuraminidase blocker. <i>International Journal of Biological Macromolecules</i> , 2018, 119, 1204-1210.	3.6	13
62	Current advances in nanocarriers for biomedical research and their applications. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 1053-1062.	1.9	33
63	Anti-diabetic Potential of Silver Nanoparticles Synthesized with <i>Argyrea nervosa</i> Leaf Extract High Synergistic Antibacterial Activity with Standard Antibiotics Against Foodborne Bacteria. <i>Journal of Cluster Science</i> , 2017, 28, 1709-1727.	1.7	128
64	A comprehensive overview on electro-active biofilms, role of exo-electrogens and their microbial niches in microbial fuel cells (MFCs). <i>Chemosphere</i> , 2017, 178, 534-547.	4.2	146
65	In vitro anti-obesity effects of sesamol mediated by adenosine monophosphate-activated protein kinase and mitogen-activated protein kinase signaling in 3T3-L1 cells. <i>Food Science and Biotechnology</i> , 2017, 26, 195-200.	1.2	9
66	<i>Dioscorea</i> spp. (A Wild Edible Tuber): A Study on Its Ethnopharmacological Potential and Traditional Use by the Local People of Similipal Biosphere Reserve, India. <i>Frontiers in Pharmacology</i> , 2017, 8, 52.	1.6	65
67	Synthesis of Acyl Thiourea Derivatives of 7-Trifluoromethyl-2-Pyridylquinazolin-4(3 <i>H</i>)-one as Anticancer Agents. <i>Journal of Chemical Research</i> , 2017, 41, 598-602.	0.6	6
68	Kimchi and Other Widely Consumed Traditional Fermented Foods of Korea: A Review. <i>Frontiers in Microbiology</i> , 2016, 7, 1493.	1.5	196
69	Endophytes: A Treasure House of Bioactive Compounds of Medicinal Importance. <i>Frontiers in Microbiology</i> , 2016, 7, 1538.	1.5	499
70	Development of freshness indicator for quality of skate (<i>Raja kenoei</i>) during storage. <i>Food Science and Biotechnology</i> , 2016, 25, 1485-1489.	1.2	9
71	Evaluation of gas freshness indicator for determination of skate (<i>Raja kenoei</i>) quality during storage. <i>Food Science and Biotechnology</i> , 2016, 25, 1497-1500.	1.2	24
72	Piperazine derivatives for therapeutic use: a patent review (2010-present). <i>Expert Opinion on Therapeutic Patents</i> , 2016, 26, 777-797.	2.4	140

#	ARTICLE	IF	CITATIONS
73	Diversity of traditional and fermented foods of the Seven Sister states of India and their nutritional and nutraceutical potential: a review. <i>Frontiers in Life Science: Frontiers of Interdisciplinary Research in the Life Sciences</i> , 2016, 9, 292-312.	1.1	35
74	Evaluation of Chemical Analysis Method and Determination of Polycyclic Aromatic Hydrocarbons Content from Seafood and Dairy Products. <i>Toxicological Research</i> , 2015, 31, 265-271.	1.1	27
75	Inhibition of the lipogenesis in liver and adipose tissue of diet-induced obese C57BL/6 mice by feeding oleic acid-rich sesame oil. <i>Food Science and Biotechnology</i> , 2015, 24, 1115-1121.	1.2	6
76	Evaluation of antioxidant activity and oxidative stability of spice-added mayonnaise. <i>Food Science and Biotechnology</i> , 2015, 24, 1285-1292.	1.2	14
77	Influence of different storage conditions on production of trimethylamine and microbial spoilage characteristics of mackerel products. <i>Food Science and Biotechnology</i> , 2014, 23, 1411-1416.	1.2	10
78	Evaluation of a freshness indicator for quality of fish products during storage. <i>Food Science and Biotechnology</i> , 2014, 23, 1719-1725.	1.2	71
79	Evaluation of polycyclic aromatic hydrocarbon contents and risk assessment for fish and meat products in Korea. <i>Food Science and Biotechnology</i> , 2014, 23, 991-998.	1.2	17
80	Viriditoxin regulates apoptosis and autophagy via mitotic catastrophe and microtubule formation in human prostate cancer cells. <i>International Journal of Oncology</i> , 2014, 45, 2331-2340.	1.4	25
81	Formation of genotoxic 2-amino-1-methyl-6-phenylimidazo [4,5-b] pyridine (PhIP) and its kinetics in a model system. <i>Food Science and Biotechnology</i> , 2013, 22, 137-145.	1.2	9
82	Antioxidative mechanisms of sea buckthorn fruit extract in mouse embryonic fibroblast cells. <i>Food Science and Biotechnology</i> , 2013, 22, 197-204.	1.2	3
83	Inhibition of mutagenic 2-amino-1-methyl-6-phenylimidazo[4,5-b] pyridine (PhIP) formation using various food ingredients in a model systems. <i>Food Science and Biotechnology</i> , 2013, 22, 323-329.	1.2	10
84	Analysis of benzo[a]pyrene content from smoked food products in Korea. <i>Food Science and Biotechnology</i> , 2012, 21, 1095-1100.	1.2	14
85	Evaluation of polycyclic aromatic hydrocarbon contents and risk assessment for infant formula in Korea. <i>Food Science and Biotechnology</i> , 2012, 21, 1329-1334.	1.2	20
86	Polymer-based time-temperature indicator for high temperature processed food products. <i>Food Science and Biotechnology</i> , 2012, 21, 1483-1487.	1.2	19
87	Physicochemical properties and antioxidant activities of commercial vinegar drinks in Korea. <i>Food Science and Biotechnology</i> , 2012, 21, 1729-1734.	1.2	30
88	Antioxidative effect of lotus seed and seedpod extracts. <i>Food Science and Biotechnology</i> , 2012, 21, 1761-1766.	1.2	40
89	Cytoprotective activity of extract of roasted coffee residue on mouse embryonic fibroblasts cells against apoptosis induced by oxidative stress. <i>Food Science and Biotechnology</i> , 2012, 21, 137-143.	1.2	4
90	Influence of extra virgin olive oil on the formation of heterocyclic amines in roasted beef steak. <i>Food Science and Biotechnology</i> , 2011, 20, 159-165.	1.2	24

#	ARTICLE	IF	CITATIONS
91	Analytical methods for the determination of pesticide residues using gas chromatography with nitrogen-phosphorus detector. <i>Food Science and Biotechnology</i> , 2011, 20, 395-401.	1.2	4
92	Formation of amino-imidazo-azaarenes and carbolines in fried beef patties and chicken breasts under different cooking conditions in Korea. <i>Food Science and Biotechnology</i> , 2011, 20, 735-741.	1.2	6
93	Gas chromatographic determination of pesticide residues using electron-capture detector and mass spectrometry. <i>Food Science and Biotechnology</i> , 2011, 20, 1299-1306.	1.2	17
94	Cytoprotective effects of lotus (<i>Nelumbo nucifera</i> Gaertner) seed extracts on oxidative damaged mouse embryonic fibroblast cell. <i>Food Science and Biotechnology</i> , 2011, 20, 1533-1537.	1.2	8
95	Effect of Treatment with Ozonated Water on Shelf Life of Refrigerated Meat. <i>Korean Journal for Food Science of Animal Resources</i> , 2011, 31, 617-623.	1.5	8
96	Influence of fructooligosaccharides and garlic on formation of heterocyclic amines in fried ground beef patties. <i>Food Science and Biotechnology</i> , 2010, 19, 1159-1164.	1.2	16
97	Cytoprotective activity of lotus (<i>Nelumbo nucifera</i> Gaertner) leaf extracts on the mouse embryonic fibroblast cell. <i>Food Science and Biotechnology</i> , 2010, 19, 1171-1176.	1.2	6
98	Determination of toluene and other residual solvents in various food packaging materials by gas chromatography/mass spectrometry (GC/MS). <i>Food Science and Biotechnology</i> , 2010, 19, 1429-1434.	1.2	12
99	Determination of polycyclic aromatic hydrocarbons in commercial roasted coffee beans. <i>Food Science and Biotechnology</i> , 2010, 19, 1435-1440.	1.2	24