Johan Sukweenadhi

List of Publications by Year
in descending order

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110 papers	4,727 citations	136950 32 h-index	110387 64 g-index
111 all docs	111 docs citations	111 times ranked	5556 citing authors

#	Article	IF	Citations
1	Phytochemistry of ginsenosides: Recent advancements and emerging roles. Critical Reviews in Food Science and Nutrition, 2023, 63, 613-640.	10.3	21
2	WD40-domain protein GORI is an integrative scaffold that is required for pollen tube growth in rice. Plant Signaling and Behavior, 2023, 18, .	2.4	3
3	Chitosan, chitosan nanoparticles and modified chitosan biomaterials, a potential tool to combat salinity stress in plants. Carbohydrate Polymers, 2022, 284, 119189.	10.2	54
4	Overexpression of the Panax ginseng CYP703 Alters Cutin Composition of Reproductive Tissues in Arabidopsis. Plants, 2022, 11, 383.	3.5	4
5	Comparative study of polyphenolic compound extraction from empty palm fruit bunches and sugarcane pulp. Heliyon, 2022, 8, e08951.	3.2	1
6	Global Identification and Characterization of C2 Domain-Containing Proteins Associated with Abiotic Stress Response in Rice (Oryza sativa L.). International Journal of Molecular Sciences, 2022, 23, 2221.	4.1	1
7	Comparative transcriptome analysis of pollen and anther wall reveals novel insights into the regulatory mechanisms underlying anther wall development and its dehiscence in rice. Plant Cell Reports, 2022, 41, 1229-1242.	5.6	2
8	Gold Nanoparticles Green-Synthesized by the Suaeda japonica Leaf Extract and Screening of Anti-Inflammatory Activities on RAW 267.4 Macrophages. Coatings, 2022, 12, 460.	2.6	6
9	Valorization of Peel-Based Agro-Waste Flour for Food Products: A Systematic Review on Proximate Composition and Functional Properties. ACS Food Science & Technology, 2022, 2, 3-20.	2.7	2
10	Transcriptome Analysis of Triple Mutant for OsMADS62, OsMADS63, and OsMADS68 Reveals the Downstream Regulatory Mechanism for Pollen Germination in Rice (Oryza sativa). International Journal of Molecular Sciences, 2022, 23, 239.	4.1	15
11	GORI, encoding the WD40 domain protein, is required for pollen tube germination and elongation in rice. Plant Journal, 2021, 105, 1645-1664.	5.7	31
12	Metabolic Dynamics and Ginsenoside Biosynthesis. Compendium of Plant Genomes, 2021, , 121-141.	0.5	1
13	Therapeutic Applications of Type 2 Diabetes Mellitus Drug Metformin in Patients with Osteoarthritis. Pharmaceuticals, 2021, 14, 152.	3.8	10
14	Global Identification of ANTH Genes Involved in Rice Pollen Germination and Functional Characterization of a Key Member, OsANTH3. Frontiers in Plant Science, 2021, 12, 609473.	3.6	11
15	Interaction of OsRopGEF3 Protein With OsRac3 to Regulate Root Hair Elongation and Reactive Oxygen Species Formation in Rice (Oryza sativa). Frontiers in Plant Science, 2021, 12, 661352.	3.6	6
16	OsMTD2â€mediated reactive oxygen species (ROS) balance is essential for intact pollenâ€tube elongation in rice. Plant Journal, 2021, 107, 1131-1147.	5.7	17
17	Optimization of Protein Isolation and Label-Free Quantitative Proteomic Analysis in Four Different Tissues of Korean Ginseng. Plants, 2021, 10, 1409.	3.5	7
18	A Systemic View of Carbohydrate Metabolism in Rice to Facilitate Productivity. Plants, 2021, 10, 1690.	3.5	5

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19	Rice Î²-Glucosidase Os12BGlu38 is Required for Synthesis of Intine Cell Wall and Pollen Fertility. Journal of Experimental Botany, 2021, , .	4.8	10
20	An Integrated Approach for the Efficient Extraction and Solubilization of Rice Microsomal Membrane Proteins for High-Throughput Proteomics. Frontiers in Plant Science, 2021, 12, 723369.	3.6	6
21	Scale-up of green synthesis and characterization of silver nanoparticles using ethanol extract of Plantago major L. leaf and its antibacterial potential. South African Journal of Chemical Engineering, 2021, 38, 1-8.	2.4	20
22	Key Genes in the Melatonin Biosynthesis Pathway with Circadian Rhythm Are Associated with Various Abiotic Stresses. Plants, 2021, 10, 129.	3.5	35
23	Nitrous Oxide Emission and Crop Yield in Arable Soil Amended with Bottom Ash. Agriculture (Switzerland), 2021, 11, 1012.	3.1	3
24	Pathogenesis strategies and regulation of ginsenosides by two species of Ilyonectria in Panax ginseng: power of speciation. Journal of Ginseng Research, 2020, 44, 332-340.	5.7	23
25	A modified transient gene expression protocol for subcellular protein localization analysis in rice. Plant Biotechnology Reports, 2020, 14, 131-138.	1.5	3
26	Grass-Specific EPAD1 Is Essential for Pollen Exine Patterning in Rice. Plant Cell, 2020, 32, 3961-3977.	6.6	26
27	CAFRIâ€Rice: CRISPR applicable functional redundancy inspector to accelerate functional genomics in rice. Plant Journal, 2020, 104, 532-545.	5.7	26
28	Rice Male Gamete Expression Database (RMEDB): A Web Resource for Functional Genomic Studies of Rice Male Organ Development. Journal of Plant Biology, 2020, 63, 421-430.	2.1	14
29	Physiological Importance of Pectin Modifying Genes During Rice Pollen Development. International Journal of Molecular Sciences, 2020, 21, 4840.	4.1	14
30	Selection of potential Indonesian plant species for antioxidant. IOP Conference Series: Earth and Environmental Science, 2020, 457, 012040.	0.3	0
31	Process Optimization for Green Synthesis of Silver Nanoparticles Using Indonesian Medicinal Plant Extracts. Processes, 2020, 8, 998.	2.8	15
32	Phospholipase pPLAIIIÎ± Increases Germination Rate and Resistance to Turnip Crinkle Virus when Overexpressed. Plant Physiology, 2020, 184, 1482-1498.	4.8	11
33	Overexpression of a novel cytochrome P450 monooxygenase gene, CYP704B1, from Panax ginseng increase biomass of reproductive tissues in transgenic Arabidopsis. Molecular Biology Reports, 2020, 47, 4507-4518.	2.3	5
34	Comparative Transcriptome Analysis Reveals Gene Regulatory Mechanism of UDT1 on Anther Development. Journal of Plant Biology, 2020, 63, 289-296.	2.1	16
35	Characteristics of Panax ginseng Cultivars in Korea and China. Molecules, 2020, 25, 2635.	3.8	65
36	Genome-wide analysis of RopGEF gene family to identify genes contributing to pollen tube growth in rice (Oryza sativa). BMC Plant Biology, 2020, 20, 95.	3.6	23

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37	Fast Track to Discover Novel Promoters in Rice. Plants, 2020, 9, 125.	3.5	0
38	Antioxidant activity screening of seven Indonesian herbal extract. Biodiversitas, 2020, 21, .	0.6	10
39	A Protocol for the Plasma Membrane Proteome Analysis of Rice Leaves. Methods in Molecular Biology, 2020, 2139, 107-115.	0.9	1
40	Infrastructures of systems biology that facilitate functional genomic study in rice. Rice, 2019, 12, 15.	4.0	21
41	A Multiprotein Complex Regulates Interference-Sensitive Crossover Formation in Rice. Plant Physiology, 2019, 181, 221-235.	4.8	20
42	Molecular Basis of Pollen Germination in Cereals. Trends in Plant Science, 2019, 24, 1126-1136.	8.8	34
43	Proteomics of Riceâ€"Magnaporthe oryzae Interaction: What Have We Learned So Far?. Frontiers in Plant Science, 2019, 10, 1383.	3.6	42
44	Identification of Msp1-Induced Signaling Components in Rice Leaves by Integrated Proteomic and Phosphoproteomic Analysis. International Journal of Molecular Sciences, 2019, 20, 4135.	4.1	30
45	Interspecies hybrids of Panax ginseng Meyer new line 0837 and Panax quinquefolius generated superior F1 hybrids with greater biomass and ginsenoside contents. Horticulture Environment and Biotechnology, 2019, 60, 573-583.	2.1	5
46	Isolation and in vitro screening of plant growth promoting rhizobacteria from Barak Cenana red rice. AIP Conference Proceedings, 2019, , .	0.4	3
47	Genome-wide Analysis of Root Hair Preferred RBOH Genes Suggests that Three RBOH Genes are Associated with Auxin-mediated Root Hair Development in Rice. Journal of Plant Biology, 2019, 62, 229-238.	2.1	29
48	Triterpenoid-biosynthetic UDP-glycosyltransferases from plants. Biotechnology Advances, 2019, 37, 107394.	11.7	114
49	Genomic Characterization of a Newly Isolated Rhizobacteria Sphingomonas panacis Reveals Plant Growth Promoting Effect to Rice. Biotechnology and Bioprocess Engineering, 2019, 24, 119-125.	2.6	10
50	Rice RHC Encoding a Putative Cellulase is Essential for Normal Root Hair Elongation. Journal of Plant Biology, 2019, 62, 82-91.	2.1	35
51	Silicon confers protective effect against ginseng root rot by regulating sugar efflux into apoplast. Scientific Reports, 2019, 9, 18259.	3.3	11
52	The Role of Rice Vacuolar Invertase2 in Seed Size Control. Molecules and Cells, 2019, 42, 711-720.	2.6	13
53	Physical Characteristic and Antibacterial Activity of Silver Nanoparticles from Green Synthesis Using Ethanol Extracts of Phaleria macrocarpa (Scheff.) Boerl Leaves. Majalah Obat Tradisional, 2019, 24, 22.	0.1	5
54	Karakter Fisik dan Aktivitas Antibakteri Nanopartikel Perak Hasil Green Synthesis Menggunakan Ekstrak Air Daun Sendok (Plantago major L.). Pharmaceutical Sciences and Research, 2019, 6, 69-81.	0.1	4

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55	Assessment of radical scavenging, whitening and moisture retention activities of Panax ginseng berry mediated gold nanoparticles as safe and efficient novel cosmetic material. Artificial Cells, Nanomedicine and Biotechnology, 2018, 46, 333-340.	2.8	34
56	Cylindrocarpon destructans/Ilyonectria radicicola-species complex:ÂCausative agent of ginseng root-rot disease andÂrustyÂsymptoms. Journal of Ginseng Research, 2018, 42, 9-15.	5.7	93
57	Gold nanoflowers synthesized using Acanthopanacis cortex extract inhibit inflammatory mediators in LPS-induced RAW264.7 macrophages via NF-Î°B and AP-1 pathways. Colloids and Surfaces B: Biointerfaces, 2018, 162, 398-404.	5.0	50
58	Molecular Control of Male Fertility for Crop Hybrid Breeding. Trends in Plant Science, 2018, 23, 53-65.	8.8	212
59	Metabolic dynamics and physiological adaptation of Panax ginseng during development. Plant Cell Reports, 2018, 37, 393-410.	5.6	34
60	A Growth-Promoting Bacteria, Paenibacillus yonginensis DCY84T Enhanced Salt Stress Tolerance by Activating Defense-Related Systems in Panax ginseng. Frontiers in Plant Science, 2018, 9, 813.	3.6	63
61	Rice actin binding protein RMD controls crown root angle in response to external phosphate. Nature Communications, 2018, 9, 2346.	12.8	66
62	Cytological analysis of ginseng carpel development. Protoplasma, 2017, 254, 1909-1922.	2.1	4
63	Overexpression of a cytosolic ascorbate peroxidase from Panax ginseng enhanced salt tolerance in Arabidopsis thaliana. Plant Cell, Tissue and Organ Culture, 2017, 129, 337-350.	2.3	10
64	Aluminium resistant, plant growth promoting bacteria induce overexpression of Aluminium stress related genes in Arabidopsis thaliana and increase the ginseng tolerance against Aluminium stress. Microbiological Research, 2017, 200, 45-52.	5.3	49
65	Two rice receptor-like kinases maintain male fertility under changing temperatures. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 12327-12332.	7.1	88
66	Publisherâ€™s note. Colloids and Surfaces B: Biointerfaces, 2017, 160, 423.	5.0	16
67	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. Biomedicine and Pharmacotherapy, 2017, 93, 995-1003.	5.6	45
68	Molecular characterization and expression analysis of pathogenesis related protein 6 from Panax ginseng. Russian Journal of Genetics, 2017, 53, 1211-1220.	0.6	6
69	Gold nanoparticles synthesized using Panax ginseng leaves suppress inflammatory - mediators production via blockade of NF-Î°B activation in macrophages. Artificial Cells, Nanomedicine and Biotechnology, 2017, 45, 270-276.	2.8	50
70	Complete genome sequence of Paenibacillus yonginensis DCY84T, a novel plant Symbiont that promotes growth via induced systemic resistance. Standards in Genomic Sciences, 2017, 12, 63.	1.5	13
71	Transcription Pattern of Catalase Gene from Gynostemma pentaphyllum (Thunb.) Makino during Various Abiotic Stresses. KnE Life Sciences, 2017, 3, 99.	0.1	0
72	Biological Synthesis of Nanoparticles from Plants and Microorganisms. Trends in Biotechnology, 2016, 34, 588-599.	9.3	1,161

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73	PgLOX6encoding a lipoxygenase contributes to jasmonic acid biosynthesis and ginsenoside production inPanax ginseng. Journal of Experimental Botany, 2016, 67, 6007-6019.	4.8	29
74	A Rice Ca²⁺ Binding Protein Is Required for Tapetum Function and Pollen Formation. Plant Physiology, 2016, 172, 1772-1786.	4.8	50
75	Overexpression of Panax ginseng sesquiterpene synthase gene confers tolerance against Pseudomonas syringae pv. tomato in Arabidopsis thaliana. Physiology and Molecular Biology of Plants, 2016, 22, 485-495.	3.1	8
76	Molecular characterization of 5-chlorophyll a/b-binding protein genes from Panax ginseng Meyer and their expression analysis during abiotic stresses. Photosynthetica, 2016, 54, 446-458.	1.7	22
77	The effects of rice seed dressing with Paenibacillus yonginensis and silicon on crop development on South Koreaâ€™s reclaimed tidal land. Field Crops Research, 2016, 188, 121-132.	5.1	12
78	Molecular characterization of lipoxygenase genes and their expression analysis against biotic and abiotic stresses in Panax ginseng. European Journal of Plant Pathology, 2016, 145, 331-343.	1.7	29
79	Development of interspecies hybrids to increase ginseng biomass and ginsenoside yield. Plant Cell Reports, 2016, 35, 779-790.	5.6	13
80	Ginsenoside Rg5:Rk1 attenuates TNF-Î±/IFN-Î³-induced production of thymus- and activation-regulated chemokine (TARC/CCL17) and LPS-induced NO production via downregulation of NF-ÎºB/p38 MAPK/STAT1 signaling in human keratinocytes and macrophages. In Vitro Cellular and Developmental Biology - Animal, 2016, 52, 287-295.	1.5	64
81	Sodium nitroprusside enhances the elicitation power of methyl jasmonate for ginsenoside production in Panax ginseng roots. Research on Chemical Intermediates, 2016, 42, 2937-2951.	2.7	18
82	Cytological characterization of anther development in Panax ginseng Meyer. Protoplasma, 2016, 253, 1111-1124.	2.1	15
83	Paenibacillus yonginensis DCY84T induces changes in Arabidopsis thaliana gene expression against aluminum, drought, and salt stress. Microbiological Research, 2015, 172, 7-15.	5.3	100
84	Burkholderia ginsengiterrae sp. nov. and Burkholderia panaciterrae sp. nov., antagonistic bacteria against root rot pathogen Cylindrocarpon destructans, isolated from ginseng soil. Archives of Microbiology, 2015, 197, 439-447.	2.2	48
85	Production of ginseng saponins: elicitation strategy and signal transductions. Applied Microbiology and Biotechnology, 2015, 99, 6987-6996.	3.6	54
86	Cupriavidus yeoncheonense sp. nov., isolated from soil of ginseng. Antonie Van Leeuwenhoek, 2015, 107, 749-758.	1.7	22
87	Isolation and characterization of Panax ginseng geranylgeranyl-diphosphate synthase genes responding to drought stress. European Journal of Plant Pathology, 2015, 142, 747-758.	1.7	4
88	Biosynthesis and biotechnological production of ginsenosides. Biotechnology Advances, 2015, 33, 717-735.	11.7	268
89	Exogenous methyl jasmonate prevents necrosis caused by mechanical wounding and increases terpenoid biosynthesis in Panax ginseng. Plant Cell, Tissue and Organ Culture, 2015, 123, 341-348.	2.3	21
90	Genetic and Biochemical Mechanisms of Pollen Wall Development. Trends in Plant Science, 2015, 20, 741-753.	8.8	315

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91	Sphingomonas panaciterrae sp. nov., a plant growth-promoting bacterium isolated from soil of a ginseng field. Archives of Microbiology, 2015, 197, 973-981.	2.2	22
92	Humibacter ginsengiterrae sp. nov., and Humibacter ginsengisoli sp. nov., isolated from soil of a ginseng field. International Journal of Systematic and Evolutionary Microbiology, 2015, 65, 2734-2740.	1.7	15
93	Paenibacillus yonginensis sp. nov., a potential plant growth promoting bacterium isolated from humus soil of Yongin forest. Antonie Van Leeuwenhoek, 2014, 106, 935-945.	1.7	32
94	Ginsenoside profiles and related gene expression during foliation in Panax ginseng Meyer. Journal of Ginseng Research, 2014, 38, 66-72.	5.7	95
95	Molecular characterization of two glutathione peroxidase genes of Panax ginseng and their expression analysis against environmental stresses. Gene, 2014, 535, 33-41.	2.2	40
96	Functional characterization of the pathogenesis-related protein family 10 gene, PgPR10-4, from Panax ginseng in response to environmental stresses. Plant Cell, Tissue and Organ Culture, 2014, 118, 531-543.	2.3	10
97	Ectopic overexpression of the aluminum-induced protein gene from Panax ginseng enhances heavy metal tolerance in transgenic Arabidopsis. Plant Cell, Tissue and Organ Culture, 2014, 119, 95-106.	2.3	9
98	Functional Analysis of 3-Hydroxy-3-Methylglutaryl Coenzyme A Reductase Encoding Genes in Triterpene Saponin-Producing Ginseng Â Â. Plant Physiology, 2014, 165, 373-387.	4.8	128
99	Grouping and characterization of putative glycosyltransferase genes from Panax ginseng Meyer. Gene, 2014, 536, 186-192.	2.2	29
100	Transcript expression profiling for adventitious roots of Panax ginseng Meyer. Gene, 2014, 546, 89-96.	2.2	34
101	Investigation of ginsenosides in different tissues after elicitor treatment in Panax ginseng. Journal of Ginseng Research, 2014, 38, 270-277.	5.7	50
102	Expression of the ginseng PgPR10-1 in Arabidopsis confers resistance against fungal and bacterial infection. Gene, 2012, 506, 85-92.	2.2	26
103	Isolation and Characterization of a Theta Glutathione S-transferase Gene from Panax ginseng Meyer. Journal of Ginseng Research, 2012, 36, 449-460.	5.7	17
104	Expression and stress tolerance of PR10 genes from Panax ginseng C. A. Meyer. Molecular Biology Reports, 2012, 39, 2365-2374.	2.3	45
105	Classification and characterization of putative cytochrome P450 genes from Panax ginseng C. A. Meyer. Biochemistry (Moscow), 2011, 76, 1347-1359.	1.5	23
106	Transcript profiling of antioxidant genes during biotic and abiotic stresses in Panax ginseng C. A. Meyer. Molecular Biology Reports, 2011, 38, 2761-2769.	2.3	51
107	Defense Genes Induced by Pathogens and Abiotic Stresses in Panax ginseng C.A. Meyer. Journal of Ginseng Research, 2011, 35, 1-11.	5.7	50
108	Expression and functional characterization of pathogenesis-related protein family 10 gene, PgPR10-2, from Panax ginseng C.A. Meyer. Physiological and Molecular Plant Pathology, 2010, 74, 323-329.	2.5	32

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109	Isolation of Sesquiterpene Synthase Homolog from Panax ginseng C.A. Meyer. Journal of Ginseng Research, 2010, 34, 17-22.	5.7	16
110	Isolation and Characterization of a Glutaredoxin Gene from Panax ginseng C. A. Meyer. Plant Molecular Biology Reporter, 2008, 26, 335-349.	1.8	16