Shinkichi Tawata, å¤å’Œç”°çœ•

List of Publications by Year
in descending order

94 papers	3,214 citations	172207 29 h-index	168136 53 g-index
95 all docs	95 docs citations	95 times ranked	3770 citing authors

#	Article	IF	Citations
1	Chemical composition and antioxidant, antibacterial and antifungal activities of the essential oils from Bidens pilosa Linn. var. Radiata. Food Control, 2008, 19, 346-352.	2.8	290
2	Antibacterial activity and mode of action of plant flavonoids against Proteus vulgaris and Staphylococcus aureus. Phytochemistry, 1987, 26, 2231-2234.	1.4	226
3	Evaluation of antioxidant and antibacterial activities of Ficus microcarpa L. fil. extract. Food Control, 2008, 19, 940-948.	2.8	208
4	Angiotensin I-Converting Enzyme Inhibitory Peptides Isolated from Tofuyo Fermented Soybean Food. Bioscience, Biotechnology and Biochemistry, 2003, 67, 1278-1283.	0.6	170
5	Synthesis and Antifungal Activity of Cinnamic Acid Esters. Bioscience, Biotechnology and Biochemistry, 1996, 60, 909-910.	0.6	118
6	Antioxidant activity and contents of essential oil and phenolic compounds in flowers and seeds of Alpinia zerumbet (Pers.) B.L. Burtt. & R.M. Sm. Food Chemistry, 2007, 104, 1648-1653.	4.2	118
7	Antioxidant and Antibacterial Activities of Rumex japonicus HOUTT. Aerial Parts. Biological and Pharmaceutical Bulletin, 2005, 28, 2225-2230.	0.6	108
8	Essential oils, kava pyrones and phenolic compounds from leaves and rhizomes of Alpinia zerumbet (Pers.) B.L. Burtt. & R.M. Sm. and their antioxidant activity. Food Chemistry, 2007, 103, 486-494.	4.2	104
9	Anti-Oxidant, Anti-Aging, and Anti-Melanogenic Properties of the Essential Oils from Two Varieties of Alpinia zerumbet. Molecules, 2015, 20, 16723-16740.	1.7	86
10	Effect of Alpinia zerumbet components on antioxidant and skin diseases-related enzymes. BMC Complementary and Alternative Medicine, 2012, 12, 106.	3.7	73
11	Antibacterial activity of flavonoids against Staphylococcus epidermidis, a skin bacterium.. Agricultural and Biological Chemistry, 1987, 51, 139-143.	0.3	71
12	Identification of Phytotoxic Substances from Early Growth of Barnyard Grass (Echinochloa) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302 Td	0.9	71
13	Anti-Inflammatory, Anti-Diabetic, and Anti-Alzheimerâ€™s Effects of Prenylated Flavonoids from Okinawa Propolis: An Investigation by Experimental and Computational Studies. Molecules, 2018, 23, 2479.	1.7	70
14	Advanced glycation end products inhibitors from Alpinia zerumbet rhizomes. Food Chemistry, 2011, 129, 709-715.	4.2	64
15	HIV-1 Integrase and Neuraminidase Inhibitors from Alpinia zerumbet. Journal of Agricultural and Food Chemistry, 2011, 59, 2857-2862.	2.4	56
16	Comparative efficaciesin vitroof antibacterial, fungicidal, antioxidant, and herbicidal activities of momilatones A and B. Journal of Plant Interactions, 2007, 2, 245-251.	1.0	53
17	Efficacy of extracting solvents to chemical components of kava (Piper methysticum) roots. Journal of Natural Medicines, 2008, 62, 188-194.	1.1	52
18	Cytotoxicity of plant flavonoids against HeLa cells. Phytochemistry, 1988, 27, 1017-1020.	1.4	50

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19	Changes in essential oil, kava pyrones and total phenolics of Alpinia zerumbet (Pers.) B.L. Burtt. & R.M. Sm. leaves exposed to copper sulphate. Environmental and Experimental Botany, 2007, 59, 347-353.	2.0	47
20	Frondoside A from sea cucumber and nymphaeols from Okinawa propolis: Natural anti-cancer agents that selectively inhibit PAK1 <i>in vitro </i>. Drug Discoveries and Therapeutics, 2017, 11, 110-114.	0.6	45
21	Anti-Obesity Effects of Hispidin and Alpinia zerumbet Bioactives in 3T3-L1 Adipocytes. Molecules, 2014, 19, 16656-16671.	1.7	43
22	Weed suppression by Passiflora edulis and its potential allelochemicals. Weed Research, 2006, 46, 296-303.	0.8	41
23	Herbicidal and fungicidal activities and identification of potential phytotoxins from Bidens pilosa L. var. radiata Scherff. Weed Biology and Management, 2007, 7, 77-83.	0.6	41
24	Inhibitory effect of flavonoids on DNA-dependent DNA and RNA polymerases. Experientia, 1988, 44, 882-885.	1.2	40
25	Significant Longevity-Extending Effects of Alpinia zerumbet Leaf Extract on the Life Span of Caenorhabditis elegans. Bioscience, Biotechnology and Biochemistry, 2013, 77, 217-223.	0.6	39
26	Chemical Interaction in the Invasiveness of Cogongrass (Imperata cylindrica (L.) Beauv.). Journal of Agricultural and Food Chemistry, 2009, 57, 9448-9453.	2.4	35
27	Effect of Okinawa Propolis on PAK1 Activity, Caenorhabditis elegans Longevity, Melanogenesis, and Growth of Cancer Cells. Journal of Agricultural and Food Chemistry, 2016, 64, 5484-5489.	2.4	35
28	Syntheses and Biological Activities of Dihydro-5,6-dehydrokawain Derivatives. Bioscience, Biotechnology and Biochemistry, 1996, 60, 1643-1645.	0.6	34
29	Herbicidal and Fungicidal Activities of Lactones in Kava (Piper methysticum). Journal of Agricultural and Food Chemistry, 2006, 54, 720-725.	2.4	33
30	The Chemistry and Biological Activities of Mimosine: A Review. Phytotherapy Research, 2016, 30, 1230-1242.	2.8	33
31	Total utilization of tropical plants Leucaena leucocephala and Alpinia zerumbet. Journal of Pesticide Sciences, 2008, 33, 40-43.	0.8	32
32	Antioxidant capacity and phenolic content of Rumex dentatus L. Grown in Egypt. Journal of Crop Science and Biotechnology, 2012, 15, 59-64.	0.7	31
33	1,2,3-Triazolyl ester of Ketorolac: A â€œClick Chemistryâ€•based highly potent PAK1-blocking cancer-killer. European Journal of Medicinal Chemistry, 2017, 126, 270-276.	2.6	31
34	Chemical composition and pharmacological properties of Macarangaâ€type Pacific propolis: A review. Phytotherapy Research, 2021, 35, 207-222.	2.8	27
35	Solid-Phase Synthesis of Mimosine Tetrapeptides and Their Inhibitory Activities on Neuraminidase and Tyrosinase. Journal of Agricultural and Food Chemistry, 2011, 59, 12858-12863.	2.4	26
36	Antiatherogenic Properties of Acetone Extract of Alpinia zerumbet Seeds. Molecules, 2012, 17, 6237-6248.	1.7	25

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37	Antioxidant, Antimicrobial, 15â€LOX, and AGEs Inhibitions by Pineapple Stem Waste. Journal of Food Science, 2012, 77, H9-15.	1.5	25
38	Several herbal compounds in Okinawa plants directly inhibit the oncogenic/aging kinase PAK1. Drug Discoveries and Therapeutics, 2014, 8, 238-244.	0.6	24
39	Artepillin C and Other Herbal PAK1-blockers: Effects on Hair Cell Proliferation and Related PAK1-dependent Biological Function in Cell Culture. Phytotherapy Research, 2016, 30, 120-127.	2.8	24
40	Isolation and identification of antioxidant and hyaluronidase inhibitory compounds from Ficus microcarpa L. fil. bark. Journal of Enzyme Inhibition and Medicinal Chemistry, 2010, 25, 406-413.	2.5	23
41	Insecticidal and Nematicidal Activities of Novel Mimosine Derivatives. Molecules, 2015, 20, 16741-16756.	1.7	22
42	Hispidin and related herbal compounds from <i>Alpinia zerumbet </i>inhibit both PAK1-dependent melanogenesis in melanocytes and reactive oxygen species (ROS) production in adipocytes. Drug Discoveries and Therapeutics, 2015, 9, 197-204.	0.6	22
43	Î±- and Î²-Santalols Delay Aging in Caenorhabditis elegans via Preventing Oxidative Stress and Protein Aggregation. ACS Omega, 2020, 5, 32641-32654.	1.6	22
44	5,6-Dehydrokawain from Alpinia zerumbet promotes osteoblastic MC3T3-E1 cell differentiation. Bioscience, Biotechnology and Biochemistry, 2016, 80, 1425-1432.	0.6	21
45	Current status of biological control of paddy weeds in Vietnam. Weed Biology and Management, 2006, 6, 1-9.	0.6	20
46	Variation of weed-suppressing potential of Vietnamese rice cultivars against barnyardgrass (Echinochloa crus-galli) in laboratory, greenhouse and field screenings. Journal of Plant Interactions, 2009, 4, 209-218.	1.0	19
47	Mimosine, a nonprotein amino acid, inhibits growth and enzyme systems in Tribolium castaneum. Pesticide Biochemistry and Physiology, 1991, 39, 35-42.	1.6	18
48	Antioxidant phenolic compounds from Smilax sebeana Miq.. LWT - Food Science and Technology, 2011, 44, 1681-1686.	2.5	18
49	Hair Growth Promoting and Anticancer Effects of p21-activated kinase 1 (PAK1) Inhibitors Isolated from Different Parts of Alpinia zerumbet. Molecules, 2017, 22, 132.	1.7	17
50	Purification and some properties of a thermostable xylanase from thermophilic fungus strain HG-1. Journal of Bioscience and Bioengineering, 1997, 83, 478-480.	0.9	16
51	Allelochemicals of barnyardgrassâ€infested soil and their activities on crops and weeds. Weed Biology and Management, 2008, 8, 267-275.	0.6	16
52	1,2,3-Triazolyl esterization of PAK1-blocking propolis ingredients, artepillin C (ARC) and caffeic acid (CA), for boosting their anti-cancer/anti-PAK1 activities along with cell-permeability. Drug Discoveries and Therapeutics, 2017, 11, 104-109.	0.6	16
53	Effect of sucrose on antioxidant activities and other health-related micronutrients in gamma-aminobutyric acid (GABA)-enriched sprouting Southern Vietnam brown rice. Journal of Cereal Science, 2020, 93, 102985.	1.8	16
54	Fungitoxic and Phytotoxic Activities of Cinnamic Acid Esters and Amides. Journal of Pesticide Sciences, 2000, 25, 263-266.	0.8	15

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55	Cytotoxic Desulfated Saponin from Holothuria atra Predicted to Have High Binding Affinity to the Oncogenic Kinase PAK1: A Combined In Vitro and In Silico Study. Scientia Pharmaceutica, 2018, 86, 32.	0.7	15
56	The serum/PDGF-dependent "melanogenic" role of the minute level of the oncogenic kinase PAK1 in melanoma cells proven by the highly sensitive kinase assay. Drug Discoveries and Therapeutics, 2016, 10, 314-322.	0.6	14
57	p21-Activated kinase 1 (PAK1) in aging and longevity: An overview. Ageing Research Reviews, 2021, 71, 101443.	5.0	14
58	Syntheses and Biological Activities of Pyranyl-substituted Cinnamates. Bioscience, Biotechnology and Biochemistry, 2001, 65, 161-163.	0.6	13
59	Mimosine Dipeptide Enantiomsers: Improved Inhibitors against Melanogenesis and Cyclooxygenase. Molecules, 2015, 20, 14334-14347.	1.7	13
60	MMP-13 Inhibitory Activity of Thirteen Selected Plant Species from Okinawa. International Journal of Pharmacology, 2008, 4, 202-207.	0.1	12
61	Inhibitory Effects of Alpinia speciosa K. SCHUM on the Porphyrin Photooxidative Reaction. Journal of Dermatology, 2000, 27, 312-317.	0.6	11
62	Combination of immunoprecipitation (IP)-ATP_Glo kinase assay and melanogenesis for the assessment of potent and safe PAK1-blockers in cell culture. Drug Discoveries and Therapeutics, 2015, 9, 289-295.	0.6	11
63	Cytotoxic and anti-inflammatory resorcinol and alkylbenzoquinone derivatives from the leaves of Ardisia sieboldii. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2019, 74, 303-311.	0.6	11
64	A computational approach to explore and identify potential herbal inhibitors for the p21-activated kinase 1 (PAK1). Journal of Biomolecular Structure and Dynamics, 2020, 38, 3514-3526.	2.0	11
65	Isolation and Characterization of Fucoidan from Hizikia fusiformis (Hijiki). Journal of Applied Glycoscience (1999), 2003, 50, 361-365.	0.3	10
66	Disintegration of uncooked rice by carboxymethyl cellulase from Sporotrichum sp. HG-I. Journal of Bioscience and Bioengineering, 1999, 87, 249-251.	1.1	9
67	Purification and characterization of extracellular cysteine protease inhibitor, ECPI-2, from Chlorella sp.. Journal of Bioscience and Bioengineering, 2006, 101, 166-171.	1.1	9
68	Biological activity and composition of extract from aerial root of Ficus microcarpa L. fil.. International Journal of Food Science and Technology, 2009, 44, 349-358.	1.3	9
69	Allelopathic interference of sweet potato with cogongrass and relevant species. Plant Ecology, 2012, 213, 1955-1961.	0.7	9
70	Synthesis and Fungicidal Activity of New 1, 3, 2-Oxazaphospholidine 2-Sulfides. Journal of Pesticide Sciences, 1994, 19, 299-304.	0.8	9
71	Antibacterial Activity of Flavonoids againstStaphylococcus epidermidis, a Skin Bacterium. Agricultural and Biological Chemistry, 1987, 51, 139-143.	0.3	6
72	Novel Insecticidal Five-Membered Cyclic Phosphoramidothionates Derived from L-Amino Acids. Journal of Pesticide Sciences, 1978, 3, 161-163.	0.8	5

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73	Studies on oxazaphospholidines with pesticidal activities. III. Synthesis and chemical properties of insecticidal 2-alkoxy-4-alkyl-1,3,2-oxazaphospholidine 2-sulfides derived from optically active amino acids.. Agricultural and Biological Chemistry, 1980, 44, 1489-1498.	0.3	4
74	Purification and Properties of a Ribonuclease from a Species of the GenusMonascus. Bioscience, Biotechnology and Biochemistry, 1995, 59, 327-328.	0.6	4
75	Purification and Characterization of Feruloyl Esterase from Aspergillus awamori.. Food Science and Technology Research, 1999, 5, 251-254.	0.3	4
76	Isolation and Characterization of Alginate from Hizikia fusiformis and Preparation of its Oligosaccharides. Journal of Applied Glycoscience (1999), 2007, 54, 85-90.	0.3	4
77	Molecular modelling approaches predicted 1,2,3-triazolyl ester of ketorolac (15K) to be a novel allosteric modulator of the oncogenic kinase PAK1. Scientific Reports, 2021, 11, 17471.	1.6	4
78	Synthesis and Fungicidal Activity of New Thiophosphorylated Monoterpenoids and Related Compounds. Journal of Pesticide Sciences, 1996, 21, 141-146.	0.8	4
79	Purification and Characterization of Intracellular Cysteine Protease Inhibitor from Chlorella sp... Food Science and Technology Research, 1999, 5, 210-213.	0.3	3
80	Title is missing!. Nippon Kagaku Kaishi / Chemical Society of Japan - Chemistry and Industrial Chemistry Journal, 1981, 1981, 705-711.	0.1	2
81	Chemical Composition, Anti-neuraminidase, and Anti-atherogenic Activities of the Essential Oil from two Varieties of Alpinia zerumbet Leaves. Journal of Food Science and Technology Nepal, 2014, 7, 22-30.	0.2	2
82	Effect of Extraction and Drying Methods on the Contents of Kava Pyrones and Phenolic Compounds in Alpinia zerumbet Leaves. Asian Journal of Plant Sciences, 2011, 10, 414-418.	0.2	2
83	Synthesis and Chemical Properties of Insecticidal 2-Alkoxy-4-alkyl-1,3,2-oxazaphospholidine 2-Sulfides Derived from Optically Active Amino Acids. Agricultural and Biological Chemistry, 1980, 44, 1489-1498.	0.3	1
84	Insecticidal 4-alkylidene-1,3,2-benzodioxaphosphorinane derivatives. Journal of Agricultural and Food Chemistry, 1982, 30, 198-199.	2.4	1
85	[Z]-4-alkylidene-1,3,2-benzodioxaphosphorinane 2-oxides from stereospecific cyclization of 2-alkylketophenyl phosphonates and phosphates. Bioorganic Chemistry, 1982, 11, 457-462.	2.0	1
86	Synthesis and Fungicidal Activity of 6-Alkyl Six-membered Cyclic Thiophosphates. Bioscience, Biotechnology and Biochemistry, 1997, 61, 2103-2105.	0.6	1
87	An Antihemolysin from Pineapple Stem.. Journal of the Japanese Society for Food Science and Technology, 2003, 50, 141-144.	0.1	1
88	Synthesis and Fungicidal Activity of New Six-membered Cyclic Phosphates. Journal of Pesticide Sciences, 1995, 20, 273-278.	0.8	1
89	Synthesis and Fungitoxic Activity of <i>N</i>-Cinnamoyl-Î±-Amino Acid Esters. Journal of Pesticide Sciences, 2000, 25, 259-262.	0.8	1
90	Synthesis and Insecticidal Activities of Five-membered Cyclic Phosphoramidates and Phosphoramidothiolates. Journal of Pesticide Sciences, 1978, 3, 257-266.	0.8	1

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91	Synthesis and Fungicidal Activity of New 6-Alkyl-2-alkylamino-4<i>H</i>-1, 3, 2-benzodioxaphosphorin 2-Sulfides. Journal of Pesticide Sciences, 1998, 23, 137-140.	0.8	1
92	An alkaline protease inhibitor from Aspergillus oryzae W-1. Journal of the Japanese Society for Food Science and Technology, 2003, 50, 327-330.	0.1	0
93	Purification and Some Properties of an Alkaline Protease Inhibitor-Inactivating-Enzyme from Aspergillus oryzae W-1. Journal of the Japanese Society for Food Science and Technology, 2003, 50, 578-581.	0.1	0
94	Toward deeper understanding of bioactive molecules for innovative crop protection. Journal of Pesticide Sciences, 2008, 33, 1-3.	0.8	0