

Wasu Pathom-aree

List of Publications by Year in descending order

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84
papers

2,405
citations

279487

23
h-index

233125

45
g-index

85
all docs

85
docs citations

85
times ranked

2410
citing authors

#	ARTICLE	IF	CITATIONS
1	Diversity of actinomycetes isolated from Challenger Deep sediment (10,898m) from the Mariana Trench. <i>Extremophiles</i> , 2006, 10, 181-189.	0.9	232
2	Diversity of cultivable actinobacteria in geographically widespread marine sediments. <i>Antonie Van Leeuwenhoek</i> , 2005, 87, 11-18.	0.7	172
3	Proximicin A, B and C, Novel Aminofuran Antibiotic and Anticancer Compounds Isolated from Marine Strains of the Actinomycete <i>Verrucospora</i> . <i>Journal of Antibiotics</i> , 2008, 61, 158-163.	1.0	140
4	Dermacozines, a new phenazine family from deep-sea dermacocci isolated from a Mariana Trench sediment. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 2352.	1.5	123
5	Isolation of rhizospheric and roots endophytic actinomycetes from Leguminosae plant and their activities to inhibit soybean pathogen, <i>Xanthomonas campestris</i> pv. <i>glycine</i> . <i>World Journal of Microbiology and Biotechnology</i> , 2014, 30, 271-280.	1.7	90
6	Cave Actinobacteria as Producers of Bioactive Metabolites. <i>Frontiers in Microbiology</i> , 2019, 10, 387.	1.5	81
7	Frigocyclinone, a Novel Angucyclinone Antibiotic Produced by a <i>Streptomyces griseus</i> Strain from Antarctica. <i>Journal of Antibiotics</i> , 2005, 58, 346-349.	1.0	80
8	Diversity of endophytic actinomycetes in mandarin grown in northern Thailand, their phytohormone production potential and plant growth promoting activity. <i>Soil Science and Plant Nutrition</i> , 2013, 59, 322-330.	0.8	75
9	Response surface method for polyhydroxybutyrate (PHB) bioplastic accumulation in <i>Bacillus drentensis</i> BP17 using pineapple peel. <i>PLoS ONE</i> , 2020, 15, e0230443.	1.1	67
10	A cost effective cultivation medium for biocalcification of <i>Bacillus pasteurii</i> KCTC 3558 and its effect on cement cubes properties. <i>Microbiological Research</i> , 2016, 186-187, 132-138.	2.5	65
11	<i>Dermacoccus abyssi</i> sp. nov., a piezotolerant actinomycete isolated from the Mariana Trench. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2006, 56, 1233-1237.	0.8	62
12	Isolation and screening of biopolymer-degrading microorganisms from northern Thailand. <i>World Journal of Microbiology and Biotechnology</i> , 2015, 31, 1431-1442.	1.7	60
13	Actinobacteria as Promising Candidate for Polylactic Acid Type Bioplastic Degradation. <i>Frontiers in Microbiology</i> , 2019, 10, 2834.	1.5	59
14	Acidophilic actinomycetes from rhizosphere soil: diversity and properties beneficial to plants. <i>Journal of Antibiotics</i> , 2015, 68, 106-114.	1.0	58
15	<i>Dermacoccus barathri</i> sp. nov. and <i>Dermacoccus profundi</i> sp. nov., novel actinomycetes isolated from deep-sea mud of the Mariana Trench. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2006, 56, 2303-2307.	0.8	45
16	Actinobacteria Associated With Arbuscular Mycorrhizal Funneliformis <i>mosseae</i> Spores, Taxonomic Characterization and Their Beneficial Traits to Plants: Evidence Obtained From Mung Bean (<i>Vigna</i>) Tj ETQq0 0 0 rgB15/Overload 10 Tf 50		
17	Actinomycetes from Eucalyptus and their biological activities for controlling Eucalyptus leaf and shoot blight. <i>Microbiological Research</i> , 2016, 188-189, 42-52.	2.5	41
18	Evaluation of Biocontrol Activities of <i>Streptomyces</i> spp. against Rice Blast Disease Fungi. <i>Pathogens</i> , 2020, 9, 126.	1.2	40

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19	<i>Williamsia marianensis</i> sp. nov., a novel actinomycete isolated from the Mariana Trench. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2006, 56, 1123-1126.	0.8	37
20	Generic Diversity of Rare Actinomycetes from Thai Cave Soils and Their Possible Use as New Bioactive Compounds. <i>Nihon Hosenkin Gakkai Shi = Actinomycetologica</i> , 2009, 23, 21-26.	0.3	35
21	Regulatory risks associated with bacteria as biostimulants and biofertilizers in the frame of the European Regulation (EU) 2019/1009. <i>Science of the Total Environment</i> , 2020, 740, 140239.	3.9	32
22	<i>Amycolatopsis thailandensis</i> sp. nov., a poly(l-lactic acid)-degrading actinomycete, isolated from soil. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2011, 61, 839-843.	0.8	27
23	Enhanced production of microalgal biomass and lipid as an environmentally friendly biodiesel feedstock through actinomycete co-culture in biogas digestate effluent. <i>Bioresource Technology</i> , 2021, 337, 125446.	4.8	26
24	Actinobacteria From Desert: Diversity and Biotechnological Applications. <i>Frontiers in Microbiology</i> , 2021, 12, 765531.	1.5	26
25	<i>Verrucospora fiedleri</i> sp. nov., an actinomycete isolated from a fjord sediment which synthesizes proximicins. <i>Antonie Van Leeuwenhoek</i> , 2013, 103, 493-502.	0.7	25
26	Two new bioactive steroids from a mangrove-derived fungus <i>Aspergillus</i> sp.. <i>Steroids</i> , 2018, 140, 32-38.	0.8	25
27	Plant Growth and Drought Tolerance-Promoting Bacterium for Bioremediation of Paraquat Pesticide Residues in Agriculture Soils. <i>Frontiers in Microbiology</i> , 2021, 12, 604662.	1.5	25
28	Synergistic effect of co-culture of microalga and actinomycete in diluted chicken manure digestate for lipid production. <i>Algal Research</i> , 2018, 33, 239-247.	2.4	24
29	<i>Streptomyces palmae</i> CMU-AB204T, an antifungal producing-actinomycete, as a potential biocontrol agent to protect palm oil producing trees from basal stem rot disease fungus, <i>Ganoderma boninense</i> . <i>Biological Control</i> , 2020, 148, 104307.	1.4	24
30	<i>Amycolatopsis samanae</i> sp. nov., isolated from roots of <i>Samanea saman</i> (Jacq.) Merr.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2011, 61, 951-955.	0.8	22
31	Melanogenic actinomycetes from rhizosphere soil " antagonistic activity against <i>Xanthomonas oryzae</i> and plant-growth-promoting traits. <i>Canadian Journal of Microbiology</i> , 2015, 61, 164-170.	0.8	21
32	Deep-Sea Actinobacteria Mitigate Salinity Stress in Tomato Seedlings and Their Biosafety Testing. <i>Plants</i> , 2021, 10, 1687.	1.6	21
33	Isolation and Identification of Biosurfactant Producing Actinomycetes From Soil. <i>Research Journal of Microbiology</i> , 2008, 3, 499-507.	0.2	21
34	Biodecolorization of a food azo dye by the deep sea <i>Dermacoccus abyssi</i> MT1.1T strain from the Mariana Trench. <i>Journal of Environmental Management</i> , 2014, 132, 155-164.	3.8	20
35	<i>Microbispora thailandensis</i> sp. nov., an actinomycete isolated from cave soil. <i>Journal of Antibiotics</i> , 2012, 65, 491-494.	1.0	17
36	<i>Streptomyces palmae</i> sp. nov., isolated from oil palm (<i>Elaeis guineensis</i>) rhizosphere soil. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2016, 66, 3983-3988.	0.8	17

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37	<i>Amycolatopsis vastitatis</i> sp. nov., an isolate from a high altitude subsurface soil on Cerro Chajnantor, northern Chile. <i>Antonie Van Leeuwenhoek</i> , 2018, 111, 1523-1533.	0.7	16
38	<i>Amycolatopsis oliviviridis</i> sp. nov., a novel polylactic acid-bioplastic-degrading actinomycete isolated from paddy soil. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2018, 68, 1448-1454.	0.8	16
39	Soil bacterial communities and their associated functions for forest restoration on a limestone mine in northern Thailand. <i>PLoS ONE</i> , 2021, 16, e0248806.	1.1	15
40	Lipid Profile, Antioxidant and Antihypertensive Activity, and Computational Molecular Docking of Diatom Fatty Acids as ACE Inhibitors. <i>Antioxidants</i> , 2022, 11, 186.	2.2	15
41	First Record of the Isolation, Identification and Biological Activity of a New Strain of <i>Spirillospora albida</i> from Thai Cave Soil. <i>Nihon Hosenkin Gakkai Shi = Actinomycetologica</i> , 2009, 23, 1-7.	0.3	14
42	<i>Pseudonocardia thailandensis</i> sp. nov., an actinomycete isolated from a subterranean termite nest. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2017, 67, 2773-2778.	0.8	14
43	Isolation of Thermotolerant Acetic Acid Bacteria from Fruits for Vinegar Production. <i>Research Journal of Microbiology</i> , 2008, 3, 209-212.	0.2	14
44	High efficacy bioconversion of starch to lactic acid using an amylolytic lactic acid bacterium isolated from Thai indigenous fermented rice noodles. <i>Food Science and Biotechnology</i> , 2014, 23, 1541-1550.	1.2	13
45	<i>Jiangella mangrovi</i> sp. nov., isolated from mangrove soil. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2015, 65, 2569-2573.	0.8	13
46	<i>Amycolatopsis eburnea</i> sp. nov., an actinomycete associated with arbuscular mycorrhizal fungal spores. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2019, 69, 3603-3608.	0.8	13
47	<i>Actinopolyspora salinaria</i> sp. nov., a halophilic actinomycete isolated from solar saltern soil. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2016, 66, 1660-1665.	0.8	12
48	Impacts of Agriculture on the Environment and Soil Microbial Biodiversity. <i>Plants</i> , 2021, 10, 2325.	1.6	12
49	Plant Beneficial Deep-Sea Actinobacterium, <i>Dermacoccus abyssi</i> MT1.1T Promote Growth of Tomato (<i>Solanum lycopersicum</i>) under Salinity Stress. <i>Biology</i> , 2022, 11, 191.	1.3	12
50	Enhanced production of astaxanthin and co-bioproducts from microalga <i>Haematococcus</i> sp. integrated with valorization of industrial wastewater under two-stage LED light illumination strategy. <i>Environmental Technology and Innovation</i> , 2022, 28, 102620.	3.0	12
51	<i>Sphaerisporangium siamense</i> sp. nov., an actinomycete isolated from rubber-tree rhizospheric soil. <i>Journal of Antibiotics</i> , 2011, 64, 293-296.	1.0	11
52	Effective enhancement of polylactic acid-degrading enzyme production by <i>Amycolatopsis</i> sp. strain SCM_MK2-4 using statistical and one-factor-at-a-time approaches. <i>Preparative Biochemistry and Biotechnology</i> , 2017, 47, 730-738.	1.0	11
53	New Antimicrobial Phenyl Alkenoic Acids Isolated from an Oil Palm Rhizosphere-Associated Actinomycete, <i>Streptomyces palmae</i> CMU-AB204T. <i>Microorganisms</i> , 2020, 8, 350.	1.6	11
54	Biotechnological and Ecological Potential of <i>Micromonospora provocatoris</i> sp. nov., a Gifted Strain Isolated from the Challenger Deep of the Mariana Trench. <i>Marine Drugs</i> , 2021, 19, 243.	2.2	10

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55	Transforming microalgal <i>Chlorella</i> biomass into cosmetically and nutraceutically protein hydrolysates using high-efficiency enzymatic hydrolysis approach. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 6299-6315.	2.9	10
56	Optimizing physicochemical factors for two-stage cultivation of newly isolated oleaginous microalgae from local lake as promising sources of pigments, PUFAs and biodiesel feedstocks. <i>Bioresource Technology Reports</i> , 2021, 15, 100738.	1.5	10
57	Maximizing biomass productivity of cyanobacterium <i>Nostoc</i> sp. through high-throughput bioprocess optimization and application in multiproduct biorefinery towards a holistic zero waste. <i>Biomass Conversion and Biorefinery</i> , 2024, 14, 327-347.	2.9	10
58	Taxonomic characterization of <i>Streptomyces</i> strain CH54-4 isolated from mangrove sediment. <i>Annals of Microbiology</i> , 2010, 60, 299-305.	1.1	9
59	Biosorption of lead from acid solution using chitosan as a supporting material for spore forming-fungal biomass encapsulation. <i>International Journal of Environmental Science and Technology</i> , 2013, 10, 579-590.	1.8	9
60	<i>Streptomyces ferrugineus</i> sp. nov., isolated from mangrove soil in Thailand. <i>Antonie Van Leeuwenhoek</i> , 2015, 107, 39-45.	0.7	9
61	Low Crystallinity of Poly(3-Hydroxybutyrate-co-3-Hydroxyvalerate) Bioproduction by Hot Spring Cyanobacterium <i>Cyanosarcina</i> sp. AARL T020. <i>Plants</i> , 2021, 10, 503.	1.6	9
62	Identification of Acidotolerant Acetic Acid Bacteria Isolated from Thailand Sources. <i>Research Journal of Microbiology</i> , 2007, 2, 194-197.	0.2	9
63	<i>Allokutzneria oryzae</i> sp. nov., isolated from rhizospheric soil of <i>Oryza sativa</i> L. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2014, 64, 3559-3564.	0.8	8
64	Starchy effluent from rice noodle manufacturing process as feasible substrate for direct lactic acid production by <i>Lactobacillus plantarum</i> S21. <i>Journal of the Korean Society for Applied Biological Chemistry</i> , 2014, 57, 217-220.	0.9	8
65	Quantitative analysis of methane and glycolate production from microalgae using undiluted wastewater obtained from chicken-manure biogas digester. <i>Science of the Total Environment</i> , 2020, 714, 136577.	3.9	8
66	<i>Streptomyces venetus</i> sp. nov., an actinomycete with a blue aerial mycelium. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2018, 68, 3333-3339.	0.8	8
67	<i>Nonomuraea antri</i> sp. nov., an actinomycete isolated from cave soil in Thailand. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2020, 70, 5296-5303.	0.8	8
68	Current Molecular Epidemiology and Recombination of HIV Type 1 Subtypes in Northern Thailand. <i>AIDS Research and Human Retroviruses</i> , 2011, 27, 1201-1206.	0.5	7
69	Performance of Actinobacteria isolated from rhizosphere soils on plant growth promotion under cadmium toxicity. <i>International Journal of Phytoremediation</i> , 2021, 23, 1497-1505.	1.7	7
70	<i>Apis andreniformis</i> associated Actinomycetes show antimicrobial activity against black rot pathogen (<i>Xanthomonas campestris</i> pv. <i>campestris</i>). <i>PeerJ</i> , 2021, 9, e12097.	0.9	7
71	Enhancement of the Aroma Compound 2-Acetyl-1-pyrroline in Thai Jasmine Rice (<i>Oryza sativa</i>) by Rhizobacteria under Salt Stress. <i>Biology</i> , 2021, 10, 1065.	1.3	7
72	Diversity of actinobacteria associated with <i>Nostoc commune</i> Vaucher ex Bornet & Flahault macrocolonies. <i>Annals of Microbiology</i> , 2015, 65, 2229-2240.	1.1	6

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73	Enhancing Teak (<i>Tectona grandis</i>) Seedling Growth by Rhizosphere Microbes: A Sustainable Way to Optimize Agroforestry. <i>Microorganisms</i> , 2021, 9, 1990.	1.6	6
74	Integrated Ultrasonication and Microbubble-Assisted Enzymatic Synthesis of Fructooligosaccharides from Brown Sugar. <i>Foods</i> , 2020, 9, 1833.	1.9	5
75	Application of Chemical Dyes as Colour Indicator for Selective Isolation of Acetic Acid Bacteria. <i>Research Journal of Microbiology</i> , 2007, 2, 885-888.	0.2	5
76	Synthetic Biology-Based Approaches for Microalgal Bio-Removal of Heavy Metals From Wastewater Effluents. <i>Frontiers in Environmental Science</i> , 2021, 9, .	1.5	5
77	Bryophytes Harbor Cultivable Actinobacteria With Plant Growth Promoting Potential. <i>Frontiers in Microbiology</i> , 2020, 11, 563047.	1.5	4
78	Comparison of Three Enrichment Broths for the Isolation of Thermotolerant Acetic Acid Bacteria from Flowers and Fruits. <i>Research Journal of Microbiology</i> , 2007, 2, 792-795.	0.2	4
79	Taxonomic and Metabolite Diversities of Moss-Associated Actinobacteria from Thailand. <i>Metabolites</i> , 2022, 12, 22.	1.3	4
80	Palm Oil Decanter Cake Wastes as Alternative Nutrient Sources and Biomass Support Particles for Production of Fungal Whole-Cell Lipase and Application as Low-Cost Biocatalyst for Biodiesel Production. <i>Processes</i> , 2021, 9, 1365.	1.3	3
81	<i>Dermacoccus barathri</i> sp. nov. and <i>Dermacoccus profundi</i> sp. nov., novel actinomycetes isolated from deep-sea mud of the Mariana Trench. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2007, 57, 197-197.	0.8	3
82	Actinobacteria from Arid Environments and Their Biotechnological Applications. , 2022, , 91-118.		2
83	Endophytic Actinobacteria Associated with Mycorrhizal Spores and Their Benefits to Plant Growth. <i>Sustainable Development and Biodiversity</i> , 2021, , 229-246.	1.4	1
84	First record of <i>Borofutus dhakanus</i> (Boletaceae, Leccinoideae) in Thailand. <i>Archives of Biological Sciences</i> , 2017, 69, 545-552.	0.2	0