Onruthai Pinyakong

List of Publications by Year
in descending order

46 papers	1,708 citations	304743 22 h-index	276875 41 g-index
46 all docs	46 docs citations	46 times ranked	1828 citing authors

#	Article	IF	Citations
1	Concentration effect of Chromolaena odorata (Siam weed) crude extract on size and properties of gelatin nanofibers fabricated by electrospinning process. Journal of Industrial Textiles, 2022, 51, 1499S-1510S.	2.4	3
2	Bioaugmentation with zeolite-immobilized bacterial consortium OPK results in a bacterial community shift and enhances the bioremediation of crude oil-polluted marine sandy soil microcosms. Environmental Pollution, 2022, 292, 118309.	7.5	17
3	Production of lipopeptide biosurfactant by Bacillus subtilis GY19 and its application as oil-contaminated surface cleaning agent. ScienceAsia, 2022, 48, 43.	0.5	3
4	Physiological changes in Rhodococcus ruber S103 immobilized on biobooms using low-cost media enhance stress tolerance and crude oil-degrading activity. Scientific Reports, 2022, 12, .	3.3	5
5	Polyhydroxybutyrate (PHB) Production Using an Arabinose-Inducible Expression System in Comparison With Cold Shock Inducible Expression System in Escherichia coli. Frontiers in Bioengineering and Biotechnology, 2021, 9, 661096.	4.1	8
6	Effects of environmental factors and coexisting substrates on PAH degradation and transcriptomic responses of the defined bacterial consortium OPK. Environmental Pollution, 2021, 277, 116769.	7.5	36
7	Biodegradation of crude oil by immobilized Exiguobacterium sp. AO-11 and shelf life evaluation. Scientific Reports, 2021, 11, 12990.	3.3	17
8	Bioballs carrying a syntrophic Rhodococcus and Mycolicibacterium consortium for simultaneous sorption and biodegradation of fuel oil in contaminated freshwater. Chemosphere, 2021, 282, 130973.	8.2	15
9	Variation of the mangrove sediment microbiomes and their phenanthrene biodegradation rates during the dry and wet seasons. Environmental Pollution, 2021, 289, 117849.	7.5	12
10	The effect of bioaugmentation with Exiguobacterium sp. AO-11 on crude oil removal and the bacterial community in sediment microcosms, and the development of a liquid ready-to-use inoculum. Chemosphere, 2020, 250, 126303.	8.2	15
11	Bacterial community structures and biodegradation kinetic of Tiamulin antibiotic degrading enriched consortia from swine wastewater. Journal of Environmental Health Science & Engineering, 2019, 17, 1121-1130.	3.0	8
12	Paeniglutamicibacter terrestris sp. nov., isolated from phenanthrene-degrading consortium enriched from Antarctic soil. International Journal of Systematic and Evolutionary Microbiology, 2019, 71, .	1.7	8
13	Synergistic degradation of pyrene by five culturable bacteria in a mangrove sediment-derived bacterial consortium. Journal of Hazardous Materials, 2018, 342, 561-570.	12.4	120
14	16S metagenomic analysis reveals adaptability of a mixed-PAH-degrading consortium isolated from crude oil-contaminated seawater to changing environmental conditions. Journal of Hazardous Materials, 2018, 357, 119-127.	12.4	94
15	Potential microbial consortium involved in the biodegradation of diesel, hexadecane and phenanthrene in mangrove sediment explored by metagenomics analysis. Marine Pollution Bulletin, 2018, 133, 595-605.	5.0	44
16	Diesel oil removal by Serratia sp. W4-01 immobilized in chitosan-activated carbon beads. Environmental Science and Pollution Research, 2018, 25, 26927-26938.	5.3	19
17	Preparation and properties of gelatin nanofibers containing lipopeptide biosurfactant by electrospinning technique as the prototype of wound covering and healing materials. Materials Research Express, 2018, 5, 095401.	1.6	11
18	Quantitative ecological risk assessment of inhabitants exposed to polycyclic aromatic hydrocarbons in terrestrial soils of King George Island, Antarctica. Polar Science, 2017, 11, 19-29.	1.2	30

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19	Structural effect of quaternary ammonium chitin derivatives on their bactericidal activity and specificity. International Journal of Biological Macromolecules, 2017, 101, 719-728.	7.5	16
20	Formulation of crude oil spill dispersants based on the HLD concept and using a lipopeptide biosurfactant. Journal of Hazardous Materials, 2017, 334, 168-177.	12.4	59
21	Biodegradation of high concentrations of mixed polycyclic aromatic hydrocarbons by indigenous bacteria from a river sediment: a microcosm study and bacterial community analysis. Environmental Science and Pollution Research, 2017, 24, 4591-4602.	5.3	36
22	Tiamulin removal by wood-rot fungi isolated from swine farms andÂrole of ligninolytic enzymes. International Biodeterioration and Biodegradation, 2017, 116, 147-154.	3.9	11
23	Culture-independent study of bacterial communities in tropical river sediment. Bioscience, Biotechnology and Biochemistry, 2017, 81, 200-209.	1.3	8
24	Production and Application of Gordonia westfalica GY40 Biosurfactant for Remediation of Fuel Oil Spill. Water, Air, and Soil Pollution, 2016, 227, 1.	2.4	23
25	Degradation of Phenolic Compounds in Palm Oil Mill Effluent by Silicaâ€Immobilized Bacteria in Internal Loop Airlift Bioreactors. Clean - Soil, Air, Water, 2016, 44, 383-392.	1.1	16
26	A Basic Introduction to Aerobic Biodegradation of Petroleum Aromatic Compounds. , 2015, , 5.1.5-1-5.1.5-18.		0
27	Abundance and diversity of functional genes involved in the degradation of aromatic hydrocarbons in Antarctic soils and sediments around Syowa Station. Environmental Science and Pollution Research, 2015, 22, 4725-4735.	5.3	78
28	Lipopeptide biosurfactant production by chitosan-immobilized Bacillus sp. GY19 and their recovery by foam fractionation. Biochemical Engineering Journal, 2015, 93, 47-54.	3.6	49
29	Development of an antibacterial chitin betainate wound dressing. Polymer Journal, 2014, 46, 505-510.	2.7	16
30	Abilities and genes for PAH biodegradation of bacteria isolated from mangrove sediments from the central of Thailand. Marine Pollution Bulletin, 2013, 74, 95-104.	5.0	48
31	Diesel oil removal by immobilized Pseudoxanthomonas sp. RN402. Biodegradation, 2013, 24, 387-397.	3.0	38
32	Assessment of polycyclic aromatic hydrocarbon biodegradation potential in mangrove sediment from Don Hoi Lot, Samut Songkram Province, Thailand. Journal of Applied Microbiology, 2013, 114, 1311-1324.	3.1	59
33	Title is missing!. ScienceAsia, 2012, 38, 36.	0.5	17
34	Airlift bioreactor containing chitosan-immobilized Sphingobium sp. P2 for treatment of lubricants in wastewater. Journal of Hazardous Materials, 2012, 213-214, 466-473.	12.4	33
35	Degradation of polycyclic aromatic hydrocarbons by newly isolated Curvularia sp. F18, Lentinus sp. S5, and Phanerochaete sp. T20. ScienceAsia, 2012, 38, 147.	0.5	9
36	The development of a liquid formulation of Pseudoxanthomonas sp. RN402 and its application in the treatment of pyrene-contaminated soil. Journal of Applied Microbiology, 2011, 111, 36-47.	3.1	19

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37	Ecotoxicological and microbiological characterization of soils from heavy-metal- and hydrocarbon-contaminated sites. Environmental Monitoring and Assessment, 2010, 163, 477-488.	2.7	47
38	Two novel pyrene-degrading Diaphorobacter sp. and Pseudoxanthomonas sp. isolated from soil. Journal of Bioscience and Bioengineering, 2009, 108, 488-495.	2.2	98
39	Degradation of phenanthrene on plant leaves by phyllosphere bacteria. Journal of General and Applied Microbiology, 2007, 53, 265-272.	0.7	64
40	Functional and transcriptional analyses of the initial oxygenase genes for acenaphthene degradation from Sphingomonas sp. strain A4. Microbiology (United Kingdom), 2006, 152, 2455-2467.	1.8	14
41	Isolation and characterization of genes encoding polycyclic aromatic hydrocarbon dioxygenase from acenaphthene and acenaphthylene degradingSphingomonassp. strain A4. FEMS Microbiology Letters, 2004, 238, 297-305.	1.8	37
42	Isolation and characterization of genes encoding polycyclic aromatic hydrocarbon dioxygenase from acenaphthene and acenaphthylene degrading sp. strain A4. FEMS Microbiology Letters, 2004, 238, 297-305.	1.8	43
43	Identification of three novel salicylate 1-hydroxylases involved in the phenanthrene degradation of Sphingobium sp. strain P2. Biochemical and Biophysical Research Communications, 2003, 301, 350-357.	2.1	85
44	The unique aromatic catabolic genes in sphingomonads degrading polycyclic aromatic hydrocarbons(PAHs).. Journal of General and Applied Microbiology, 2003, 49, 1-19.	0.7	189
45	Identification of novel metabolites in the degradation of phenanthrene bySphingomonassp. strain P2. FEMS Microbiology Letters, 2000, 191, 115-121.	1.8	126
46	Identification of novel metabolites in the degradation of phenanthrene by Sphingomonas sp. strain P2. FEMS Microbiology Letters, 2000, 191, 115-121.	1.8	5