Robert A Kanaly

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6638669/publications.pdf

Version: 2024-02-01

17	624	840776 11	888059 17
papers	citations	h-index	g-index

17	17	17	694
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Advances in the field of highâ€molecularâ€weight polycyclic aromatic hydrocarbon biodegradation by bacteria. Microbial Biotechnology, 2010, 3, 136-164.	4.2	220
2	Rhodanobacter sp. Strain BPC1 in a Benzo[a]pyrene-Mineralizing Bacterial Consortium. Applied and Environmental Microbiology, 2002, 68, 5826-5833.	3.1	99
3	Benz[a]anthracene Biotransformation and Production of Ring Fission Products by Sphingobium sp. Strain KK22. Applied and Environmental Microbiology, 2013, 79, 4410-4420.	3.1	47
4	Biotransformation of indole by Cupriavidus sp. strain KK10 proceeds through N-heterocyclic- and carbocyclic-aromatic ring cleavage and production of indigoids. International Biodeterioration and Biodegradation, 2015, 97, 13-24.	3.9	43
5	Biotransformation of the highâ€molecular weight polycyclic aromatic hydrocarbon (<scp>PAH</scp>) benzo[k]fluoranthene by <scp>S</scp>phingobium sp. strain <scp>KK</scp>22 and identification of new products of nonâ€alternant <scp>PAH</scp> biodegradation by liquid chromatography electrospray ionization tandem mass spectrometry. Microbial Biotechnology, 2014, 7, 114-129.	4.2	36
6	Cometabolic mineralization of benzo[a]pyrene caused by hydrocarbon additions to soil. Environmental Toxicology and Chemistry, 1999, 18, 2186-2190.	4.3	29
7	MULTIPLE MECHANISMS CONTRIBUTE TO THE BIODEGRADATION OF BENZO[a]PYRENE BY PETROLEUM-DERIVED MULTICOMPONENT NONAQUEOUS-PHASE LIQUIDS. Environmental Toxicology and Chemistry, 2004, 23, 850.	4.3	25
8	Enhanced mineralization of benzo[a]pyrene in the presence of nonaqueous phase liquids. Environmental Toxicology and Chemistry, 2001, 20, 498-501.	4.3	24
9	Multispecies Diesel Fuel Biodegradation and Niche Formation Are Ignited by Pioneer Hydrocarbon-Utilizing Proteobacteria in a Soil Bacterial Consortium. Applied and Environmental Microbiology, 2020, 87, .	3.1	20
10	Application of <scp>DNA</scp> adductomics to soil bacterium Sphingobium sp. strain <scp>KK</scp>22. MicrobiologyOpen, 2015, 4, 841-856.	3.0	19
11	Chemical and genomic analyses of polycyclic aromatic hydrocarbon biodegradation in Sphingobium barthaii KK22 reveals divergent pathways in soil sphingomonads. International Biodeterioration and Biodegradation, 2020, 151, 104993.	3.9	14
12	9,10-Phenanthrenedione biodegradation by a soil bacterium and identification of transformation products by LC/ESI-MS/MS. Chemosphere, 2013, 92, 1442-1449.	8.2	13
13	Formation of Bulky DNA Adducts by Non-Enzymatic Production of 1,2-Naphthoquinone-Epoxide from 1,2-Naphthoquinone under Physiological Conditions. Chemical Research in Toxicology, 2019, 32, 1760-1771.	3.3	10
14	Triple quadrupole mass spectrometry comparative DNA adductomics of Hep G2 cells following exposure to safrole. Toxicology Letters, 2019, 300, 92-104.	0.8	10
15	Functionalization of the model asphaltene 1-dodecylnaphthalene by Pseudomonas aeruginosa KK6 through subterminal metabolism. Journal of Petroleum Science and Engineering, 2021, 205, 108870.	4.2	7
16	Cometabolic benzo[a]pyrene biotransformation by Sphingobium barthaii KK22 proceeds through the kata-annelated ring and 1-pyrenecarboxylic acid to downstream products.. Journal of Hazardous Materials Advances, 2021, 4, 100018.	3.0	7
17	Characterization of N-(2,6-dimethylphenyl)hydroxylamine adducts of 2â€²-deoxyguanosine under weakly basic conditions. Chemosphere, 2020, 252, 126530.	8.2	1