

# Robert A Kanaly

## List of Publications by Year in descending order

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17  
papers

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citations

840776

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times ranked

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