

Robert Flick

List of Publications by Year in descending order

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33
papers

1,251
citations

471509

17
h-index

414414

32
g-index

33
all docs

33
docs citations

33
times ranked

2060
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluating the relative adsorption and biodegradation of 2-methylisoborneol and geosmin across granular activated carbon filter-adsorbers. <i>Water Research</i> , 2022, 215, 118239.	11.3	10
2	Triclosan uptake and transformation by the green algae <i>Euglena gracilis</i> strain Z. <i>Science of the Total Environment</i> , 2022, 833, 155232.	8.0	4
3	Lignin-oxidizing activity of bacterial laccases characterized using soluble substrates and polymeric lignin. <i>Journal of Biotechnology</i> , 2021, 325, 128-137.	3.8	21
4	FSMP-01. ID1 MEDIATES ONE-CARBON MEDIATED PURINE SYNTHESIS IN GLIOBLASTOMA. <i>Neuro-Oncology Advances</i> , 2021, 3, i16-i16.	0.7	0
5	Identification of a Fully Dechlorinated Product of Chlordecone in Soil Microcosms and Enrichment Cultures. <i>Environmental Science and Technology Letters</i> , 2021, 8, 662-667.	8.7	4
6	Potential Probiotic <i>Bacillus subtilis</i> Isolated from a Novel Niche Exhibits Broad Range Antibacterial Activity and Causes Virulence and Metabolic Dysregulation in Enterotoxigenic <i>E. coli</i> . <i>Microorganisms</i> , 2021, 9, 1483.	3.6	15
7	Trace Organic Contaminant Transfer and Transformation in Bioretention Cells: A Field Tracer Test with Benzotriazole. <i>Environmental Science & Technology</i> , 2021, 55, 12281-12290.	10.0	11
8	Carbon, hydrogen and nitrogen stable isotope fractionation allow characterizing the reaction mechanisms of 1H-benzotriazole aqueous phototransformation. <i>Water Research</i> , 2021, 203, 117519.	11.3	11
9	One-Pot Biocatalytic Transformation of Adipic Acid to 6-Aminocaproic Acid and 1,6-Hexamethylenediamine Using Carboxylic Acid Reductases and Transaminases. <i>Journal of the American Chemical Society</i> , 2020, 142, 1038-1048.	13.7	66
10	Rational engineering of 2-deoxyribose-5-phosphate aldolases for the biosynthesis of (R)-1,3-butanediol. <i>Journal of Biological Chemistry</i> , 2020, 295, 597-609.	3.4	16
11	A novel C-terminal degron identified in bacterial aldehyde decarbonylases using directed evolution. <i>Biotechnology for Biofuels</i> , 2020, 13, 114.	6.2	8
12	Biocatalytic in Vitro and in Vivo FMN Prenylation and (De)carboxylase Activation. <i>ACS Chemical Biology</i> , 2020, 15, 1874-1882.	3.4	13
13	Evidence for extensive anaerobic dechlorination and transformation of the pesticide chlordecone (C10Cl10O) by indigenous microbes in microcosms from Guadeloupe soil. <i>PLoS ONE</i> , 2020, 15, e0231219.	2.5	12
14	Site-directed mutagenesis and stability of the carboxylic acid reductase MAB4714 from <i>Mycobacterium abscessus</i> . <i>Journal of Biotechnology</i> , 2019, 303, 72-79.	3.8	15
15	Accumulation of soluble menaquinones MK-7 in honey coincides with death of <i>Bacillus</i> spp. present in honey. <i>Food Chemistry: X</i> , 2019, 1, 100008.	4.3	7
16	Prenylated FMN: Biosynthesis, purification, and Fdc1 activation. <i>Methods in Enzymology</i> , 2019, 620, 469-488.	1.0	5
17	An interspecies malate-pyruvate shuttle reconciles redox imbalance in an anaerobic microbial community. <i>ISME Journal</i> , 2019, 13, 1042-1055.	9.8	15
18	Bisphosphonic acids and related compounds as inhibitors of nucleotide and polyphosphate processing enzymes: A PPK1 and PPK2 case study. <i>Chemical Biology and Drug Design</i> , 2019, 93, 1197-1206.	3.2	8

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19	Biosynthesis and Activity of Prenylated FMN Cofactors. <i>Cell Chemical Biology</i> , 2018, 25, 560-570.e6.	5.2	45
20	Screening and Characterization of Novel Polyesterases from Environmental Metagenomes with High Hydrolytic Activity against Synthetic Polyesters. <i>Environmental Science & Technology</i> , 2018, 52, 12388-12401.	10.0	56
21	Structural Insights into Substrate Selectivity and Activity of Bacterial Polyphosphate Kinases. <i>ACS Catalysis</i> , 2018, 8, 10746-10760.	11.2	48
22	Novel Aldo-Keto Reductases for the Biocatalytic Conversion of 3-Hydroxybutanal to 1,3-Butanediol: Structural and Biochemical Studies. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	3.1	24
23	Activity screening of environmental metagenomic libraries reveals novel carboxylesterase families. <i>Scientific Reports</i> , 2017, 7, 44103.	3.3	67
24	Refined experimental annotation reveals conserved corrinoid autotrophy in chloroform-respiring <i>Dehalobacter</i> isolates. <i>ISME Journal</i> , 2017, 11, 626-640.	9.8	21
25	SAMHD1 is a biomarker for cytarabine response and a therapeutic target in acute myeloid leukemia. <i>Nature Medicine</i> , 2017, 23, 250-255.	30.7	121
26	Exploring Bacterial Carboxylate Reductases for the Reduction of Bifunctional Carboxylic Acids. <i>Biotechnology Journal</i> , 2017, 12, 1600751.	3.5	74
27	Alkene hydrogenation activity of enoate reductases for an environmentally benign biosynthesis of adipic acid. <i>Chemical Science</i> , 2017, 8, 1406-1413.	7.4	77
28	Biochemical and Structural Insights into Enzymatic Depolymerization of Polylactic Acid and Other Polyesters by Microbial Carboxylesterases. <i>Biomacromolecules</i> , 2016, 17, 2027-2039.	5.4	114
29	A family of metal-dependent phosphatases implicated in metabolite damage-control. <i>Nature Chemical Biology</i> , 2016, 12, 621-627.	8.0	48
30	Functional Diversity of Haloacid Dehalogenase Superfamily Phosphatases from <i>Saccharomyces cerevisiae</i> . <i>Journal of Biological Chemistry</i> , 2015, 290, 18678-18698.	3.4	70
31	CRISPR RNA binding and DNA target recognition by purified Cascade complexes from <i>Escherichia coli</i> . <i>Nucleic Acids Research</i> , 2015, 43, 530-543.	14.5	22
32	The CRISPR-associated Cas4 protein Pcal_0546 from <i>Pyrobaculum calidifontis</i> contains a [2Fe-2S] cluster: crystal structure and nuclease activity. <i>Nucleic Acids Research</i> , 2014, 42, 11144-11155.	14.5	29
33	Nuclease Activity of the Human SAMHD1 Protein Implicated in the Aicardi-Goutières Syndrome and HIV-1 Restriction. <i>Journal of Biological Chemistry</i> , 2013, 288, 8101-8110.	3.4	194