Johannes Schiffels

List of Publications by Year
in descending order

19	537	759233 12	752698 20
papers	citations	h-index	g-index

20	20	20	756
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Advances in ultrahigh-throughput screening for directed enzyme evolution. Chemical Society Reviews, 2020, 49, 233-262.	38.1	182
2	Effect of an Oxygen-Tolerant Bifurcating Butyryl Coenzyme A Dehydrogenase/Electron-Transferring Flavoprotein Complex from Clostridium difficile on Butyrate Production in Escherichia coli. Journal of Bacteriology, 2013, 195, 3704-3713.	2.2	66
3	Towards the Evolution of Artificial Metalloenzymesâ€"A Protein Engineer's Perspective. Angewandte Chemie - International Edition, 2019, 58, 4454-4464.	13.8	64
4	Engineering and emerging applications of artificial metalloenzymes with whole cells. Nature Catalysis, 2021, 4, 814-827.	34.4	38
5	Chemoenzymatic cascade for stilbene production from cinnamic acid catalyzed by ferulic acid decarboxylase and an artificial metathease. Catalysis Science and Technology, 2019, 9, 5572-5576.	4.1	26
6	Facile analysis of short-chain fatty acids as 4-nitrophenyl esters in complex anaerobic fermentation samples by high performance liquid chromatography. Journal of Chromatography A, 2011, 1218, 5848-5851.	3.7	23
7	Chemogenetic Evolution of a Peroxidase-like Artificial Metalloenzyme. ACS Catalysis, 2021, 11, 5079-5087.	11.2	21
8	An Innovative Cloning Platform Enables Large-Scale Production and Maturation of an Oxygen-Tolerant [NiFe]-Hydrogenase from Cupriavidus necator in Escherichia coli. PLoS ONE, 2013, 8, e68812.	2.5	20
9	Olefin metathesis catalysts embedded in Î²-barrel proteins: creating artificial metalloproteins for olefin metathesis. Beilstein Journal of Organic Chemistry, 2018, 14, 2861-2871.	2.2	16
10	Anchor Peptide-Mediated Surface Immobilization of a Grubbs-Hoveyda-Type Catalyst for Ring-Opening Metathesis Polymerization. Bioconjugate Chemistry, 2019, 30, 714-720.	3.6	16
11	Metabolic responses of Escherichia coli upon glucose pulses captured by a capacitive fieldâ€effect sensor. Physica Status Solidi (A) Applications and Materials Science, 2013, 210, 926-931.	1.8	12
12	Development of a methodological approach for the characterization of bioaerosols in exhaust air from pig fattening farms with MALDI-TOF mass spectrometry. International Journal of Hygiene and Environmental Health, 2017, 220, 974-983.	4.3	12
13	Biohybrid catalysts for sequential one-pot reactions based on an engineered transmembrane protein. Catalysis Science and Technology, 2019, 9, 942-946.	4.1	12
14	A Photoclickâ€Based Highâ€Throughput Screening for the Directed Evolution of Decarboxylase OleT. Chemistry - A European Journal, 2021, 27, 954-958.	3.3	7
15	A flexible toolbox to study proteinâ€assisted metalloenzyme assembly in vitro. Biotechnology and Bioengineering, 2015, 112, 2360-2372.	3.3	6
16	FhuAâ€“Grubbsâ€“Hoveyda Biohybrid Catalyst Embedded in a Polymer Film Enables Catalysis in Neat Substrates. ACS Catalysis, 2020, 10, 10946-10953.	11.2	5
17	Chemogenetic engineering of nitrobindin toward an artificial epoxygenase. Catalysis Science and Technology, 2021, 11, 4491-4499.	4.1	5
18	Combinatorial assembly of ferredoxinâ€linked modules in Escherichia coli yields a testing platform for Rnfâ€complexes. Biotechnology and Bioengineering, 2019, 116, 2316-2329.	3.3	4

#	Article	IF	Citations
19	Biogas Production on Demand Regulated by Butyric Acid Addition. IOP Conference Series: Earth and Environmental Science, 2016, 32, 012009.	0.3	1