

Frank Mickoleit

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

280
citations

933447

10
h-index

940533

16
g-index

20
all docs

20
docs citations

20
times ranked

249
citing authors

#	ARTICLE	IF	CITATIONS
1	A Magnetosome-Based Platform for Flow Biocatalysis. ACS Applied Materials & Interfaces, 2022, 14, 22138-22150.	8.0	8
2	Towards standardized purification of bacterial magnetic nanoparticles for future in vivo applications. Acta Biomaterialia, 2021, 120, 293-303.	8.3	36
3	Identification and elimination of genomic regions irrelevant for magnetosome biosynthesis by large-scale deletion in Magnetospirillum gryphiswaldense. BMC Microbiology, 2021, 21, 65.	3.3	8
4	Towards a 'chassis' for bacterial magnetosome biosynthesis: genome streamlining of Magnetospirillum gryphiswaldense by multiple deletions. Microbial Cell Factories, 2021, 20, 35.	4.0	16
5	Induction of Axonal Outgrowth in Mouse Hippocampal Neurons via Bacterial Magnetosomes. International Journal of Molecular Sciences, 2021, 22, 4126.	4.1	6
6	Bacteriophage-templated Assembly of Magnetic Nanoparticles and Their Actuation Potential. ChemNanoMat, 2021, 7, 942-949.	2.8	3
7	High-yield Production, Characterization, and Functionalization of Recombinant Magnetosomes in the Synthetic Bacterium <i>Rhodospirillum rubrum</i> Δ magA. Advanced Biology, 2021, 5, e2101017.	2.5	12
8	Biocompatibility, uptake and subcellular localization of bacterial magnetosomes in mammalian cells. Nanoscale Advances, 2021, 3, 3799-3815.	4.6	10
9	Genome-Wide Identification of Essential and Auxiliary Gene Sets for Magnetosome Biosynthesis in Magnetospirillum gryphiswaldense. MSystems, 2020, 5, .	3.8	14
10	A Versatile Toolkit for Controllable and Highly Selective Multifunctionalization of Bacterial Magnetic Nanoparticles. Small, 2020, 16, e1906922.	10.0	34
11	Bacterial Magnetosomes as Novel Platform for the Presentation of Immunostimulatory, Membrane-bound Ligands in Cellular Biotechnology. Advanced Biology, 2020, 4, e1900231.	3.0	12
12	Generation of nanomagnetic biocomposites by genetic engineering of bacterial magnetosomes. Bioinspired, Biomimetic and Nanobiomaterials, 2019, 8, 86-98.	0.9	17
13	SEAP activity measurement in reporter cell-based assays using BCIP / NBT as substrate. Analytical Biochemistry, 2019, 585, 113402.	2.4	4
14	Probing the Nanostructure and Arrangement of Bacterial Magnetosomes by Small-Angle X-Ray Scattering. Applied and Environmental Microbiology, 2019, 85, .	3.1	10
15	<i>In Vivo</i> Coating of Bacterial Magnetic Nanoparticles by Magnetosome Expression of Spider Silk-Inspired Peptides. Biomacromolecules, 2018, 19, 962-972.	5.4	26
16	Generation of Multifunctional Magnetic Nanoparticles with Amplified Catalytic Activities by Genetic Expression of Enzyme Arrays on Bacterial Magnetosomes. Advanced Biology, 2018, 2, 1700109.	3.0	24
17	Precise Assembly of Genetically Functionalized Magnetosomes and Tobacco Mosaic Virus Particles Generates a Magnetic Biocomposite. ACS Applied Materials & Interfaces, 2018, 10, 37898-37910.	8.0	10
18	Genetically Engineered Organization: Protein Template, Biological Recognition Sites, and Nanoparticles. Advanced Materials Interfaces, 2017, 4, 1600285.	3.7	5

#	ARTICLE	IF	CITATIONS
19	Insights into the posttranslational assembly of the Mo-, S- and Cu-containing cluster in the active site of CO dehydrogenase of <i>Oligotropha carboxidovorans</i> . <i>Journal of Biological Inorganic Chemistry</i> , 2014, 19, 1399-1414.	2.6	25