Frank Mickoleit

List of Publications by Year
in descending order

19	280	933447 10	940533 16
papers	citations	h-index	g-index

20	20	20	249
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Towards standardized purification of bacterial magnetic nanoparticles for future in vivo applications. Acta Biomaterialia, 2021, 120, 293-303.	8.3	36
2	A Versatile Toolkit for Controllable and Highly Selective Multifunctionalization of Bacterial Magnetic Nanoparticles. Small, 2020, 16, e1906922.	10.0	34
3	In Vivo Coating of Bacterial Magnetic Nanoparticles by Magnetosome Expression of Spider Silk-Inspired Peptides. Biomacromolecules, 2018, 19, 962-972.	5.4	26
4	Insights into the posttranslational assembly of the Mo-, S- and Cu-containing cluster in the active site of CO dehydrogenase of Oligotropha carboxidovorans. Journal of Biological Inorganic Chemistry, 2014, 19, 1399-1414.	2.6	25
5	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
6	Generation of nanomagnetic biocomposites by genetic engineering of bacterial magnetosomes. Bioinspired, Biomimetic and Nanobiomaterials, 2019, 8, 86-98.	0.9	17
7	Towards a 'chassis' for bacterial magnetosome biosynthesis: genome streamlining of Magnetospirillum gryphiswaldense by multiple deletions. Microbial Cell Factories, 2021, 20, 35.	4.0	16
8	Genome-Wide Identification of Essential and Auxiliary Gene Sets for Magnetosome Biosynthesis in Magnetospirillum gryphiswaldense. MSystems, 2020, 5, .	3.8	14
9	Bacterial Magnetosomes as Novel Platform for the Presentation of Immunostimulatory, Membraneâ€Bound Ligands in Cellular Biotechnology. Advanced Biology, 2020, 4, e1900231.	3.0	12
10	Highâ€Yield Production, Characterization, and Functionalization of Recombinant Magnetosomes in the Synthetic Bacterium Rhodospirillum rubrum â€œmagneticumâ€. Advanced Biology, 2021, 5, e2101017.	2.5	12
11	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
12	Probing the Nanostructure and Arrangement of Bacterial Magnetosomes by Small-Angle X-Ray Scattering. Applied and Environmental Microbiology, 2019, 85, .	3.1	10
13	Biocompatibility, uptake and subcellular localization of bacterial magnetosomes in mammalian cells. Nanoscale Advances, 2021, 3, 3799-3815.	4.6	10
14	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
15	A Magnetosome-Based Platform for Flow Biocatalysis. ACS Applied Materials & Interfaces, 2022, 14, 22138-22150.	8.0	8
16	Induction of Axonal Outgrowth in Mouse Hippocampal Neurons via Bacterial Magnetosomes. International Journal of Molecular Sciences, 2021, 22, 4126.	4.1	6
17	Genetically Engineered Organization: Protein Template, Biological Recognition Sites, and Nanoparticles. Advanced Materials Interfaces, 2017, 4, 1600285.	3.7	5
18	SEAP activity measurement in reporter cell-based assays using BCIP / NBT as substrate. Analytical Biochemistry, 2019, 585, 113402.	2.4	4

#	Article	IF	Citations
19	Bacteriophageâ€templated Assembly of Magnetic Nanoparticles and Their Actuation Potential. ChemNanoMat, 2021, 7, 942-949.	2.8	3