Sarah S Staniland

List of Publications by Year
in descending order

39 papers	1,071 citations	471509 17 h-index	414414 32 g-index
39 all docs	39 docs citations	39 times ranked	1238 citing authors

#	Article	IF	Citations
1	Nanobugs as Drugs: Bacterial Derived Nanomagnets Enhance Tumor Targeting and Oncolytic Activity of HSVâ€1 Virus. Small, 2022, 18, e2104763.	10.0	12
2	Sustainable biopolymer soil stabilization in saline rich, arid conditions: a â€˜micro to macroâ€™ approach. Scientific Reports, 2022, 12, 2880.	3.3	17
3	Magnetosomes and Magnetosome Mimics: Preparation, Cancer Cell Uptake and Functionalization for Future Cancer Therapies. Pharmaceutics, 2021, 13, 367.	4.5	11
4	Ethylenediamine series as additives to control the morphology of magnetite nanoparticles. Green Chemistry, 2021, 23, 5724-5735.	9.0	8
5	Biopolymer Stabilization/Solidification of Soils: A Rapid, Micro-Macro, Cross-Disciplinary Approach. Environmental Science & Technology, 2020, 54, 13963-13972.	10.0	18
6	Systematic Screening and Deep Analysis of CoPt Binding Peptides Leads to Enhanced CoPt Nanoparticles Using Designed Peptides. Bioconjugate Chemistry, 2020, 31, 1981-1994.	3.6	1
7	Rational Design and Self-Assembly of Coiled-Coil Linked SasG Protein Fibrils. ACS Synthetic Biology, 2020, 9, 1599-1607.	3.8	3
8	Investigating the ferric ion binding site of magnetite biomineralisation protein Mms6. PLoS ONE, 2020, 15, e0228708.	2.5	10
9	Investigating the ferric ion binding site of magnetite biomineralisation protein Mms6. , 2020, 15, e0228708.		0
10	Investigating the ferric ion binding site of magnetite biomineralisation protein Mms6. , 2020, 15, e0228708.		0
11	Investigating the ferric ion binding site of magnetite biomineralisation protein Mms6. , 2020, 15, e0228708.		0
12	Investigating the ferric ion binding site of magnetite biomineralisation protein Mms6. , 2020, 15, e0228708.		0
13	Artificial coiled coil biomineralisation protein for the synthesis of magnetic nanoparticles. Nature Communications, 2019, 10, 2873.	12.8	26
14	A biomimetic magnetosome: formation of iron oxide within carboxylic acid terminated polymersomes. Nanoscale, 2019, 11, 11617-11625.	5.6	14
15	Macrofluidic Coaxial Flow Platforms to Produce Tunable Magnetite Nanoparticles: A Study of the Effect of Reaction Conditions and Biomineralisation Protein Mms6. Nanomaterials, 2019, 9, 1729.	4.1	12
16	Enhanced Tubulation of Liposome Containing Cardiolipin by MamY Protein from Magnetotactic Bacteria. Biotechnology Journal, 2018, 13, 1800087.	3.5	12
17	Protein and Peptide-Mediated Synthesis of Magnetic Nanoparticles and Arrays for Biomedicine and Future Data Storage. , 2018, , 95-133.		0
18	Ferrous Iron Binding Key to Mms6 Magnetite Biomineralisation: A Mechanistic Study to Understand Magnetite Formation Using pH Titration and NMR Spectroscopy. Chemistry - A European Journal, 2016, 22, 7885-7894.	3.3	41

#	Article	IF	Citations
19	Biomagnetic Recovery and Bioaccumulation of Selenium Granules in Magnetotactic Bacteria. Applied and Environmental Microbiology, 2016, 82, 3886-3891.	3.1	34
20	Crystallizing the function of the magnetosome membrane mineralization protein Mms6. Biochemical Society Transactions, 2016, 44, 883-890.	3.4	50
21	Manufacturing Man-Made Magnetosomes: High-Throughput In Situ Synthesis of Biomimetic Magnetite Loaded Nanovesicles. Macromolecular Bioscience, 2016, 16, 1555-1561.	4.1	8
22	Macromol. Biosci. 11/2016. Macromolecular Bioscience, 2016, 16, 1736-1736.	4.1	1
23	Using a biomimetic membrane surface experiment to investigate the activity of the magnetite biomineralisation protein Mms6. RSC Advances, 2016, 6, 7356-7363.	3.6	32
24	In situ formation of magnetopolymersomes via electroporation for MRI. Scientific Reports, 2015, 5, 14311.	3.3	18
25	Synthesis of ABA Tri-Block Co-Polymer Magnetopolymersomes via Electroporation for Potential Medical Application. Polymers, 2015, 7, 2558-2571.	4.5	5
26	Taking a hard line with biotemplating: cobalt-doped magnetite magnetic nanoparticle arrays. Nanoscale, 2015, 7, 7340-7351.	5.6	33
27	Phage display selected magnetite interacting Adhirons for shape controlled nanoparticle synthesis. Chemical Science, 2015, 6, 5586-5594.	7.4	32
28	Self-assembled MmsF proteinosomes control magnetite nanoparticle formation in vitro. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 16094-16099.	7.1	54
29	Reply to the â€˜Comment on â€œInnovation through imitation: Biomimetic, bioinspired and biokleptic researchâ€â€™ by M. Drack and I. C. Gebeshuber, Soft Matter, 2013, 9, DOI: 10.1039/c2sm26722e. Soft Matter, 2013, 9, 2341.	2.7	2
30	Protein and peptide biotemplated metal and metal oxide nanoparticles and their patterning onto surfaces. Journal of Materials Chemistry, 2012, 22, 12423.	6.7	61
31	Highest levels of Cu, Mn and Co doped into nanomagnetic magnetosomes through optimized biomineralisation. Journal of Materials Chemistry, 2012, 22, 11919.	6.7	40
32	Nanoparticle Arrays: Biotemplated Magnetic Nanoparticle Arrays (Small 2/2012). Small, 2012, 8, 203-203.	10.0	1
33	Innovation through imitation: biomimetic, bioinspired and biokleptic research. Soft Matter, 2012, 8, 6675.	2.7	40
34	Magnetic bacterial protein Mms6 controls morphology, crystallinity and magnetism of cobalt-doped magnetite nanoparticles in vitro. Journal of Materials Chemistry, 2011, 21, 15244.	6.7	63
35	Iron Uptake Kinetics and Magnetosome Formation byMagnetospirillum gryphiswaldenseas a Function of pH, Temperature and Dissolved Iron Availability. Geomicrobiology Journal, 2011, 28, 590-600.	2.0	18
36	Charge Modified Cowpea Mosaic Virus Particles for Templated Mineralization. Advanced Functional Materials, 2011, 21, 4137-4142.	14.9	28

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37	Cell division in magnetotactic bacteria splits magnetosome chain in half. Journal of Basic Microbiology, 2010, 50, 392-396.	3.3	28
38	Rapid magnetosome formation shown by real-time x-ray magnetic circular dichroism. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 19524-19528.	7.1	97
39	Controlled formation of magnetite crystal by partial oxidation of ferrous hydroxide in the presence of recombinant magnetotactic bacterial protein Mms6. Biomaterials, 2007, 28, 5381-5389.	11.4	241