

# Andrea E Rawlings

## List of Publications by Year in descending order

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Version: 2024-02-01

24  
papers

529  
citations

759233

12  
h-index

839539

18  
g-index

24  
all docs

24  
docs citations

24  
times ranked

774  
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetosomes and Magnetosome Mimics: Preparation, Cancer Cell Uptake and Functionalization for Future Cancer Therapies. <i>Pharmaceutics</i> , 2021, 13, 367.	4.5	11
2	Biopolymer Stabilization/Solidification of Soils: A Rapid, Micro-Macro, Cross-Disciplinary Approach. <i>Environmental Science &amp; Technology</i> , 2020, 54, 13963-13972.	10.0	18
3	Systematic Screening and Deep Analysis of CoPt Binding Peptides Leads to Enhanced CoPt Nanoparticles Using Designed Peptides. <i>Bioconjugate Chemistry</i> , 2020, 31, 1981-1994.	3.6	1
4	Rational Design and Self-Assembly of Coiled-Coil Linked SasG Protein Fibrils. <i>ACS Synthetic Biology</i> , 2020, 9, 1599-1607.	3.8	3
5	Investigating the ferric ion binding site of magnetite biomineralisation protein Mms6. <i>PLoS ONE</i> , 2020, 15, e0228708.	2.5	10
6	Investigating the ferric ion binding site of magnetite biomineralisation protein Mms6. , 2020, 15, e0228708.		0
7	Investigating the ferric ion binding site of magnetite biomineralisation protein Mms6. , 2020, 15, e0228708.		0
8	Investigating the ferric ion binding site of magnetite biomineralisation protein Mms6. , 2020, 15, e0228708.		0
9	Investigating the ferric ion binding site of magnetite biomineralisation protein Mms6. , 2020, 15, e0228708.		0
10	Targeted magnetic nanoparticle hyperthermia for the treatment of oral cancer. <i>Journal of Oral Pathology and Medicine</i> , 2019, 48, 803-809.	2.7	57
11	Artificial coiled coil biomineralisation protein for the synthesis of magnetic nanoparticles. <i>Nature Communications</i> , 2019, 10, 2873.	12.8	26
12	Macrofluidic Coaxial Flow Platforms to Produce Tunable Magnetite Nanoparticles: A Study of the Effect of Reaction Conditions and Biomineralisation Protein Mms6. <i>Nanomaterials</i> , 2019, 9, 1729.	4.1	12
13	Membrane protein engineering to the rescue. <i>Biochemical Society Transactions</i> , 2018, 46, 1541-1549.	3.4	6
14	Protein and Peptide-Mediated Synthesis of Magnetic Nanoparticles and Arrays for Biomedicine and Future Data Storage. , 2018, , 95-133.		0
15	Ferrous Iron Binding Key to Mms6 Magnetite Biomineralisation: A Mechanistic Study to Understand Magnetite Formation Using pH Titration and NMR Spectroscopy. <i>Chemistry - A European Journal</i> , 2016, 22, 7885-7894.	3.3	41
16	Membrane proteins: always an insoluble problem?. <i>Biochemical Society Transactions</i> , 2016, 44, 790-795.	3.4	73
17	Crystallizing the function of the magnetosome membrane mineralization protein Mms6. <i>Biochemical Society Transactions</i> , 2016, 44, 883-890.	3.4	50
18	Using a biomimetic membrane surface experiment to investigate the activity of the magnetite biomineralisation protein Mms6. <i>RSC Advances</i> , 2016, 6, 7356-7363.	3.6	32

#	ARTICLE	IF	CITATIONS
19	Phage display selected magnetite interacting Adhirons for shape controlled nanoparticle synthesis. Chemical Science, 2015, 6, 5586-5594.	7.4	32
20	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
21	Structure of the Phosphatase Domain of the Cell Fate Determinant SpoIIIE from Bacillus subtilis. Journal of Molecular Biology, 2012, 415, 343-358.	4.2	27
22	Biotemplated Magnetic Nanoparticle Arrays. Small, 2012, 8, 204-208.	10.0	66
23	Expression of soluble, active fragments of the morphogenetic protein SpoIIIE from Bacillus subtilis using a library-based construct screen. Protein Engineering, Design and Selection, 2010, 23, 817-825.	2.1	10
24	The structure of Rph, an exoribonuclease from Bacillus anthracis, at 1.7 Å resolution. Acta Crystallographica Section F: Structural Biology Communications, 2009, 65, 2-7.	0.7	0