

Michael S Pacella

List of Publications by Year in descending order

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13
papers

1,927
citations

1040056

9
h-index

1125743

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g-index

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all docs

13
docs citations

13
times ranked

2823
citing authors

#	ARTICLE	IF	CITATIONS
1	The Rosetta All-Atom Energy Function for Macromolecular Modeling and Design. <i>Journal of Chemical Theory and Computation</i> , 2017, 13, 3031-3048.	5.3	1,032
2	Macromolecular modeling and design in Rosetta: recent methods and frameworks. <i>Nature Methods</i> , 2020, 17, 665-680.	19.0	513
3	Chiral acidic amino acids induce chiral hierarchical structure in calcium carbonate. <i>Nature Communications</i> , 2017, 8, 15066.	12.8	129
4	Nanostructure, osteopontin, and mechanical properties of calcitic avian eggshell. <i>Science Advances</i> , 2018, 4, eaar3219.	10.3	86
5	Adding Diverse Noncanonical Backbones to Rosetta: Enabling Peptidomimetic Design. <i>PLoS ONE</i> , 2013, 8, e67051.	2.5	59
6	Chiral switching in biomineral suprastructures induced by homochiral α -amino acid. <i>Science Advances</i> , 2018, 4, eaas9819.	10.3	41
7	Using the RosettaSurface Algorithm to Predict Protein Structure at Mineral Surfaces. <i>Methods in Enzymology</i> , 2013, 532, 343-366.	1.0	25
8	Reconfiguring DNA Nanotube Architectures <i>via</i> Selective Regulation of Terminating Structures. <i>ACS Nano</i> , 2020, 14, 13451-13462.	14.6	14
9	A Benchmarking Study of Peptide-Biomineral Interactions. <i>Crystal Growth and Design</i> , 2018, 18, 607-616.	3.0	12
10	Growth and site-specific organization of micron-scale biomolecular devices on living mammalian cells. <i>Nature Communications</i> , 2021, 12, 5729.	12.8	6
11	A Parametric Rosetta Energy Function Analysis with LK Peptides on SAM Surfaces. <i>Langmuir</i> , 2018, 34, 5279-5289.	3.5	4
12	Correction to "The Rosetta All-Atom Energy Function for Macromolecular Modeling and Design". <i>Journal of Chemical Theory and Computation</i> , 2022, 18, 4594-4594.	5.3	4
13	Characterizing the length-dependence of DNA nanotube end-to-end joining rates. <i>Molecular Systems Design and Engineering</i> , 2020, 5, 544-558.	3.4	2