

Martin Volk

List of Publications by Year in descending order

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14
papers

752
citations

840776

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1058476

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docs citations

16
times ranked

1314
citing authors

#	ARTICLE	IF	CITATIONS
1	The detection sensitivity of commonly used singlet oxygen probes in aqueous environments. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2020, 204, 111787.	3.8	232
2	Singlet Oxygen Generation by Laser Irradiation of Gold Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2016, 120, 10647-10657.	3.1	101
3	Efficient Asymmetric Epoxidation of α,β -Unsaturated Ketones Using a Soluble Triblock Polyethylene Glycol-Polyamino Acid Catalyst. <i>Organic Letters</i> , 2001, 3, 683-686.	4.6	86
4	High-Resolution Sizing of Monolayer-Protected Gold Clusters by Differential Centrifugal Sedimentation. <i>ACS Nano</i> , 2013, 7, 8881-8890.	14.6	71
5	Characterizing Self-Assembled Monolayers on Gold Nanoparticles. <i>Bioconjugate Chemistry</i> , 2017, 28, 11-22.	3.6	71
6	Sensitive Analysis of Protein Adsorption to Colloidal Gold by Differential Centrifugal Sedimentation. <i>Analytical Chemistry</i> , 2017, 89, 6807-6814.	6.5	48
7	Fast Initiation of Peptide and Protein Folding Processes. <i>European Journal of Organic Chemistry</i> , 2001, 2001, 2605-2621.	2.4	34
8	Fast folding dynamics of an α -helical peptide with bulky side chains. <i>Physical Chemistry Chemical Physics</i> , 2004, 6, 1022-1030.	2.8	33
9	The roughness of the protein energy landscape results in anomalous diffusion of the polypeptide backbone. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 762-782.	2.8	27
10	Computational and Experimental Investigation of the Structure of Peptide Monolayers on Gold Nanoparticles. <i>Langmuir</i> , 2017, 33, 438-449.	3.5	25
11	Stabilization of Insulin by Adsorption on a Hydrophobic Silane Self-Assembled Monolayer. <i>Langmuir</i> , 2015, 31, 8892-8900.	3.5	17
12	Comment on "Transient Anisotropy and Fragment Rotational Excitation in the Femtosecond Photodissociation of Triiodide in Solution". <i>Journal of Physical Chemistry A</i> , 1999, 103, 5621-5622.	2.5	5
13	Fast Initiation of Peptide and Protein Folding Processes. <i>European Journal of Organic Chemistry</i> , 2001, 2001, 2605-2621.	2.4	1
14	Imaging of Nanoscale Gold in "Intact" Biological Cells by Environmental Electron Microscopy. <i>Journal of Physical Chemistry C</i> , 2021, 125, 27865-27875.	3.1	0