

Matthew B Zimmt

List of Publications by Year in descending order

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16
papers

389
citations

840728

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996954

15
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16
all docs

16
docs citations

16
times ranked

432
citing authors

#	ARTICLE	IF	CITATIONS
1	Electronic Coupling in C-Clamp-Shaped Molecules: Solvent-Mediated Superexchange Pathways. <i>Journal of the American Chemical Society</i> , 1996, 118, 243-244.	13.7	106
2	Patterned Monolayer Self-Assembly Programmed by Side Chain Shape: Four-Component Gratings. <i>Journal of the American Chemical Society</i> , 2012, 134, 4513-4516.	13.7	64
3	A Spectroscopic Study of Solvent Reorganization Energy: Dependence on Temperature, Charge Transfer Distance, and the Type of Solute-Solvent Interactions. <i>Journal of Physical Chemistry A</i> , 2000, 104, 2626-2633.	2.5	44
4	Solvent-Mediated Electron Transfer: Correlation between Coupling Magnitude and Solvent Vertical Electron Affinity. <i>Journal of the American Chemical Society</i> , 1998, 120, 8001-8002.	13.7	42
5	Solvent Mediated Superexchange in a C-Clamp Shaped Donor-Bridge-Acceptor Molecule: The Correlation between Solvent Electron Affinity and Electronic Coupling. <i>Journal of Physical Chemistry A</i> , 2002, 106, 5288-5296.	2.5	22
6	Shape-Directed Patterning and Surface Reaction of Tetra-diacetylene Monolayers: Formation of Linear and Two-Dimensional Grid Polydiacetylene Alternating Copolymers. <i>Langmuir</i> , 2015, 31, 12408-12416.	3.5	19
7	Separating Enthalpy and Volume Contributions in Photothermal Experiments: A Perspective. <i>Photochemistry and Photobiology</i> , 1997, 65, 10-14.	2.5	17
8	Dipolar Control of Monolayer Morphology on Graphite: Self-Assembly of Anthracenes with Odd Length Diether Side Chains. <i>Journal of Physical Chemistry C</i> , 2009, 113, 17104-17113.	3.1	13
9	Tracking Invisible Transformations of Physisorbed Monolayers: LDI-TOF and MALDI-TOF Mass Spectrometry as Complements to STM Imaging. <i>Langmuir</i> , 2017, 33, 459-467.	3.5	13
10	Morphology Control and Monolayer Patterning with CF ₂ Groups: An STM Study. <i>Journal of Physical Chemistry C</i> , 2010, 114, 20783-20792.	3.1	12
11	Reactive two-component monolayers template bottom-up assembly of nanoparticle arrays on HOPG. <i>Chemical Communications</i> , 2018, 54, 8056-8059.	4.1	12
12	Shape Amphiphiles in 2-D: Assembly of 1-D Stripes and Control of Their Surface Density. <i>Journal of Physical Chemistry B</i> , 2015, 119, 7740-7748.	2.6	11
13	Reactive capture of gold nanoparticles by strongly physisorbed monolayers on graphite. <i>Journal of Colloid and Interface Science</i> , 2012, 387, 221-227.	9.4	8
14	Calibrating Picosecond Time Resolved Optical Calorimetry: Absolute Enthalpies from Investigations of Mixtures. <i>Israel Journal of Chemistry</i> , 1998, 38, 207-211.	2.3	4
15	Zippering and unzipping monolayers: switchable monolayer oligomerization and adhesion via thiol-disulfide interconversion. <i>Chemical Communications</i> , 2018, 54, 3636-3639.	4.1	2
16	Temporal position encoding photoacoustics: A technique for surface absorber mapping. <i>Journal of Applied Physics</i> , 2005, 98, 116104.	2.5	0