

Timothy J Fuhrer

List of Publications by Year in descending order

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17
papers

585
citations

1040056

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h-index

1058476

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17
docs citations

17
times ranked

438
citing authors

#	ARTICLE	IF	CITATIONS
1	A missing link in the transformation from asymmetric to symmetric metallofullerene cages implies a top-down fullerene formation mechanism. <i>Nature Chemistry</i> , 2013, 5, 880-885.	13.6	138
2	Gd ₂ @C ₇₉ N: Isolation, Characterization, and Monoadduct Formation of a Very Stable Heterofullerene with a Magnetic Spin State of $\langle S \rangle = 15/2$. <i>Journal of the American Chemical Society</i> , 2011, 133, 9741-9750.	13.7	104
3	Nanoscale Fullerene Compression of an Yttrium Carbide Cluster. <i>Journal of the American Chemical Society</i> , 2012, 134, 8487-8493.	13.7	92
4	89Y and 13C NMR Cluster and Carbon Cage Studies of an Yttrium Metallofullerene Family, Y ₃ N@C _{2n} (n) Tj ETQq0 0,0,rgBT /Overlock 1	13.7	81
5	Highly Regioselective Derivatization of Trimetallic Nitride Templated Endohedral Metallofullerenes via a Facile Photochemical Reaction. <i>Journal of the American Chemical Society</i> , 2008, 130, 17755-17760.	13.7	72
6	Enhanced Dipole Moments in Trimetallic Nitride Template Endohedral Metallofullerenes with the Pentalene Motif. <i>Journal of the American Chemical Society</i> , 2013, 135, 3351-3354.	13.7	28
7	Electronic Properties and 13C NMR Structural Study of Y ₃ N@C ₈₈ . <i>Inorganic Chemistry</i> , 2011, 50, 4256-4259.	4.0	24
8	Theoretical Explanation of Reaction Site Selectivity in the Addition of a Phenoxy Group to Perfluoropyridine. <i>Journal of Physical Chemistry A</i> , 2019, 123, 9450-9455.	2.5	18
9	Toward Taming the Chemical Reversibility of Perfluoropyridine through Molecular Design with Applications to Pre- and Postmodifiable Polymer Architectures. <i>Macromolecules</i> , 2021, 54, 5586-5594.	4.8	11
10	Fluoromaticity: The Molecular Orbital Contributions of Fluorine Substituents to the π -Systems of Aromatic Rings. <i>ACS Omega</i> , 2021, 6, 32607-32617.	3.5	6
11	Isolated pentagon rule violating endohedral metallofullerenes explained using the Hückel rule: A statistical mechanical study of the C ₈₄ Isomeric Set. <i>Journal of Computational Chemistry</i> , 2015, 36, 146-150.	3.3	5
12	Faculty Professional Development on Inclusive Pedagogy Yields Chemistry Curriculum Transformation, Equity Awareness, and Community. <i>Journal of Chemical Education</i> , 2022, 99, 291-300.	2.3	4
13	Density Functional Theory Investigation of Fulvene-Derivatized Fullerenes as Candidates for Organic Solar Cells. <i>Journal of Physical Chemistry A</i> , 2020, 124, 10324-10329.	2.5	1
14	Theoretical Prediction and Explanation of Reaction Site Selectivity in the Addition of a Phenoxy Group to Perfluoropyrimidine, Perfluoropyridazine, and Perfluoropyrazine. <i>Molecules</i> , 2021, 26, 7637.	3.8	1
15	Computational study of synergistic effects of electron withdrawing groups as catalysts for fullerene formation. <i>Chemical Data Collections</i> , 2018, 17-18, 415-418.	2.3	0
16	Temperature Dependent Stabilities of the C ₃₂ and K@C ₃₂ , Ca@C ₃₂ and Sc@C ₃₂ Endohedral Metallofullerene Isomeric Set. <i>Chemical Data Collections</i> , 2020, 28, 100409.	2.3	0
17	Thiourea-Catalyzed Amidation of Esters: A New Method for the Preparation of Amides. <i>Letters in Organic Chemistry</i> , 2022, 19, .	0.5	0