

Samuel N Sanders

List of Publications by Year in descending order

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papers

2,029
citations

361045

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all docs

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docs citations

29
times ranked

1488
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantitative Intramolecular Singlet Fission in Bipentacenes. <i>Journal of the American Chemical Society</i> , 2015, 137, 8965-8972.	6.6	324
2	Quintet multiexciton dynamics in singlet fission. <i>Nature Physics</i> , 2017, 13, 182-188.	6.5	220
3	A Direct Mechanism of Ultrafast Intramolecular Singlet Fission in Pentacene Dimers. <i>ACS Central Science</i> , 2016, 2, 316-324.	5.3	176
4	Singlet Fission: Progress and Prospects in Solar Cells. <i>Advanced Materials</i> , 2017, 29, 1601652.	11.1	158
5	Tuning Singlet Fission in π -Bridge- π Chromophores. <i>Journal of the American Chemical Society</i> , 2017, 139, 12488-12494.	6.6	147
6	Exciton Correlations in Intramolecular Singlet Fission. <i>Journal of the American Chemical Society</i> , 2016, 138, 7289-7297.	6.6	117
7	Intramolecular Singlet Fission in Oligoacene Heterodimers. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 3373-3377.	7.2	109
8	Distinct properties of the triplet pair state from singlet fission. <i>Science Advances</i> , 2017, 3, e1700241.	4.7	102
9	Ultra-fast intramolecular singlet fission to persistent multiexcitons by molecular design. <i>Nature Chemistry</i> , 2019, 11, 821-828.	6.6	85
10	Triplet Harvesting from Intramolecular Singlet Fission in Polytetracene. <i>Advanced Materials</i> , 2017, 29, 1701416.	11.1	70
11	Understanding the Bound Triplet-Pair State in Singlet Fission. <i>CheM</i> , 2019, 5, 1988-2005.	5.8	63
12	Annihilator dimers enhance triplet fusion upconversion. <i>Chemical Science</i> , 2019, 10, 3969-3975.	3.7	51
13	Correlating Structure and Function in Organic Electronics: From Single Molecule Transport to Singlet Fission. <i>Chemistry of Materials</i> , 2015, 27, 5453-5463.	3.2	50
14	Photon Upconversion in Aqueous Nanodroplets. <i>Journal of the American Chemical Society</i> , 2019, 141, 9180-9184.	6.6	46
15	Molecular Engineering of Chromophores to Enable Triplet-Triplet Annihilation Upconversion. <i>Journal of the American Chemical Society</i> , 2020, 142, 19917-19925.	6.6	42
16	Intramolecular Singlet Fission in Oligoacene Heterodimers. <i>Angewandte Chemie</i> , 2016, 128, 3434-3438.	1.6	38
17	Singlet fission in a hexacene dimer: energetics dictate dynamics. <i>Chemical Science</i> , 2020, 11, 1079-1084.	3.7	35
18	Properties of Poly- and Oligopentacenes Synthesized from Modular Building Blocks. <i>Macromolecules</i> , 2016, 49, 1279-1285.	2.2	34

#	ARTICLE	IF	CITATIONS
19	Photophysical characterization and time-resolved spectroscopy of a anthradithiophene dimer: exploring the role of conformation in singlet fission. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 23162-23175.	1.3	31
20	Persistent Multiexcitons from Polymers with Pendent Pentacenes. <i>Journal of the American Chemical Society</i> , 2019, 141, 9564-9569.	6.6	31
21	Anticipating Acene-Based Chromophore Spectra with Molecular Orbital Arguments. <i>Journal of Physical Chemistry A</i> , 2019, 123, 2527-2536.	1.1	21
22	Bridge Resonance Effects in Singlet Fission. <i>Journal of Physical Chemistry A</i> , 2020, 124, 9392-9399.	1.1	16
23	Influence of Nanostructure on the Exciton Dynamics of Multichromophore Donor-acceptor Block Copolymers. <i>ACS Nano</i> , 2017, 11, 4593-4598.	7.3	15
24	Singlet fission and triplet pair recombination in bipentacenes with a twist. <i>Materials Horizons</i> , 2022, 9, 462-470.	6.4	14
25	Unimolecular Photopolymerization of High-Emissive Materials on Cylindrical Self-Assemblies. <i>Macromolecules</i> , 2015, 48, 5099-5105.	2.2	13
26	Multicore expandable microbubbles: Controlling density and expansion temperature. <i>Polymer</i> , 2016, 90, 45-52.	1.8	13
27	Pentacene-bridge Interactions in an Axially Chiral Binaphthyl Pentacene Dimer. <i>Journal of Physical Chemistry A</i> , 2021, 125, 7226-7234.	1.1	7
28	The Elusive Nature of Excited States in Singlet Fission Materials. <i>CheM</i> , 2018, 4, 935-936.	5.8	1
29	Ultrafast Spatial Dynamics of Excitons During Intramolecular Singlet Fission. , 2016, , .		0