

# Michelle Chen

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

2,014  
citations

516561

16  
h-index

713332

21  
g-index

23  
all docs

23  
docs citations

23  
times ranked

3207  
citing authors

#	ARTICLE	IF	CITATIONS
1	High spectral resolution of gamma-rays at room temperature by perovskite CsPbBr <sub>3</sub> single crystals. Nature Communications, 2018, 9, 1609.	5.8	381
2	Enhanced photovoltaic performance and stability with a new type of hollow 3D perovskite {en}FASnI <sub>3</sub> . Science Advances, 2017, 3, e1701293.	4.7	325
3	Efficient Lead-Free Solar Cells Based on Hollow {en}MASnI <sub>3</sub> Perovskites. Journal of the American Chemical Society, 2017, 139, 14800-14806.	6.6	230
4	Uniaxial Expansion of the 2D Ruddlesden-Popper Perovskite Family for Improved Environmental Stability. Journal of the American Chemical Society, 2019, 141, 5518-5534.	6.6	193
5	Two-Dimensional Halide Perovskites Incorporating Straight Chain Symmetric Diammonium Ions, (NH <sub>4</sub> ) <sub>3</sub> C <sub>m</sub> H <sub>2m</sub> NH <sub>3</sub> (CH <sub>3</sub> ) <sub>3</sub> (C <sub>m</sub> = 4, 9; n = 1, 4). Journal of the American Chemical Society, 2018, 140, 12226-12238.	6.6	184
6	Diammonium Cations in the FASnI <sub>3</sub> Perovskite Structure Lead to Lower Dark Currents and More Efficient Solar Cells. ACS Energy Letters, 2018, 3, 1470-1476.	8.8	114
7	Singlet Fission in Covalent Terrylenediimide Dimers: Probing the Nature of the Multiexciton State Using Femtosecond Mid-Infrared Spectroscopy. Journal of the American Chemical Society, 2018, 140, 9184-9192.	6.6	101
8	Quintet-triplet mixing determines the fate of the multiexciton state produced by singlet fission in a terrylenediimide dimer at room temperature. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 8178-8183.	3.3	73
9	Air-Stable Direct Bandgap Perovskite Semiconductors: All-Inorganic Tin-Based Heteroleptic Halides A <sub>x</sub> SnCl <sub>y</sub> I <sub>z</sub> (A = Cs, Rb). Chemistry of Materials, 2018, 30, 4847-4856.	3.2	65
10	Structure and chemical stability in perovskite-polymer hybrid photovoltaic materials. Journal of Materials Chemistry A, 2019, 7, 1687-1699.	5.2	60
11	Two-Dimensional Electronic Spectroscopy Reveals Excitation Energy-Dependent State Mixing during Singlet Fission in a Terrylenediimide Dimer. Journal of the American Chemical Society, 2018, 140, 17907-17914.	6.6	52
12	Increased Tensile Strength of Carbon Nanotube Yarns and Sheets through Chemical Modification and Electron Beam Irradiation. ACS Applied Materials & Interfaces, 2014, 6, 6120-6126.	4.0	46
13	Reversible Symmetry-Breaking Charge Separation in a Series of Perylenediimide Cyclophanes. Journal of Physical Chemistry C, 2020, 124, 10408-10419.	1.5	44
14	Charge Transfer Character in a Covalent Diketopyrrolopyrrole Dimer: Implications for Singlet Fission. ChemPhotoChem, 2018, 2, 223-233.	1.5	37
15	Boosting Transport Distances for Molecular Excitons within Photoexcited Metal-Organic Framework Films. ACS Applied Materials & Interfaces, 2018, 10, 34409-34417.	4.0	33
16	Influence of Vibronic Coupling on Ultrafast Singlet Fission in a Linear Terrylenediimide Dimer. Journal of the American Chemical Society, 2021, 143, 2049-2058.	6.6	32
17	A Model for Spheroid versus Monolayer Response of SK-N-SH Neuroblastoma Cells to Treatment with 15-Deoxy-PGJ <sub>2</sub> . Computational and Mathematical Methods in Medicine, 2016, 2016, 1-11.	0.7	11
18	Singlet Fission in Quaterrylenediimide Thin Films. Journal of Physical Chemistry C, 2020, 124, 2791-2798.	1.5	11

#	ARTICLE	IF	CITATIONS
19	Tuning the charge transfer character of the multiexciton state in singlet fission. <i>Journal of Chemical Physics</i> , 2020, 153, 094302.	1.2	11
20	Interplay between Intermolecular and Intramolecular Singlet Fission in Thin Films of a Covalently Linked Terrylenediimide Dimer. <i>Journal of Physical Chemistry C</i> , 2021, 125, 6999-7009.	1.5	7
21	Singlet fission in core-linked terrylenediimide dimers. <i>Journal of Chemical Physics</i> , 2020, 153, 244306.	1.2	4
22	Modeling the population dynamics and community impacts of <i>Ambystoma tigrinum</i> : A case study of phenotype plasticity. <i>Mathematical Biosciences</i> , 2017, 288, 35-45.	0.9	0