

# Andrew B Pun

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

2,634  
citations

279701

23  
h-index

477173

29  
g-index

32  
all docs

32  
docs citations

32  
times ranked

3245  
citing authors

#	ARTICLE	IF	CITATIONS
1	Photoredox catalysis using infrared light via triplet fusion upconversion. <i>Nature</i> , 2019, 565, 343-346.	13.7	447
2	Quantitative Intramolecular Singlet Fission in Bipentacenes. <i>Journal of the American Chemical Society</i> , 2015, 137, 8965-8972.	6.6	324
3	Tunable electrical conductivity in oriented thin films of tetrathiafulvalene-based covalent organic framework. <i>Chemical Science</i> , 2014, 5, 4693-4700.	3.7	295
4	A Direct Mechanism of Ultrafast Intramolecular Singlet Fission in Pentacene Dimers. <i>ACS Central Science</i> , 2016, 2, 316-324.	5.3	176
5	Tuning Singlet Fission in $\pi$ -Bridge- $\pi$ Chromophores. <i>Journal of the American Chemical Society</i> , 2017, 139, 12488-12494.	6.6	147
6	New Form of an Old Natural Dye: Bay-Annulated Indigo (BAI) as an Excellent Electron Accepting Unit for High Performance Organic Semiconductors. <i>Journal of the American Chemical Society</i> , 2014, 136, 15093-15101.	6.6	123
7	Exciton Correlations in Intramolecular Singlet Fission. <i>Journal of the American Chemical Society</i> , 2016, 138, 7289-7297.	6.6	117
8	Intramolecular Singlet Fission in Oligoacene Heterodimers. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 3373-3377.	7.2	109
9	Distinct properties of the triplet pair state from singlet fission. <i>Science Advances</i> , 2017, 3, e1700241.	4.7	102
10	Ultra-fast intramolecular singlet fission to persistent multiexcitons by molecular design. <i>Nature Chemistry</i> , 2019, 11, 821-828.	6.6	85
11	Triplet Harvesting from Intramolecular Singlet Fission in Polytetracene. <i>Advanced Materials</i> , 2017, 29, 1701416.	11.1	70
12	Singlet Fission in Polypentacene. <i>CheM</i> , 2016, 1, 505-511.	5.8	69
13	Thiophene Fused Azacoronenes: Regioselective Synthesis, Self-Organization, Charge Transport and Its Incorporation in Conjugated Polymers. <i>Chemistry of Materials</i> , 2014, 26, 3920-3927.	3.2	68
14	Tunable Emission from Triplet Fusion Upconversion in Diketopyrrolopyrroles. <i>Journal of the American Chemical Society</i> , 2019, 141, 3777-3781.	6.6	66
15	Understanding the Bound Triplet-Pair State in Singlet Fission. <i>CheM</i> , 2019, 5, 1988-2005.	5.8	63
16	Annihilator dimers enhance triplet fusion upconversion. <i>Chemical Science</i> , 2019, 10, 3969-3975.	3.7	51
17	Charge Transport Anisotropy in <i>n</i> -Type Disk-Shaped Triphenylene-Tris(aryl)eneimidazole)s. <i>Organic Letters</i> , 2011, 13, 6528-6531.	2.4	42
18	Understanding Discrete Growth in Semiconductor Nanocrystals: Nanoplatelets and Magic-Sized Clusters. <i>Accounts of Chemical Research</i> , 2021, 54, 1545-1554.	7.6	42

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19	Facile Route to an All-Organic, Triply Threaded, Interlocked Structure by Templated Dynamic Clipping. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 13119-13122.	7.2	40
20	Intramolecular Singlet Fission in Oligoacene Heterodimers. <i>Angewandte Chemie</i> , 2016, 128, 3434-3438.	1.6	38
21	Properties of Poly- and Oligopentacenes Synthesized from Modular Building Blocks. <i>Macromolecules</i> , 2016, 49, 1279-1285.	2.2	34
22	Enhancing the Performance of Solution-Processed n-Type Organic Field-Effect Transistors by Blending with Molecular "Aligners". <i>Advanced Materials</i> , 2014, 26, 1223-1228.	11.1	26
23	Synthesis and Properties of Bisphosphole-Bridged Ladder Oligophenylenes. <i>Chemistry - an Asian Journal</i> , 2012, 7, 2615-2620.	1.7	25
24	Solvent-driven selective $\text{I}^{\ominus}$ -cation templating in dynamic assembly of interlocked molecules. <i>Organic Chemistry Frontiers</i> , 2014, 1, 167-175.	2.3	21
25	Bridge Resonance Effects in Singlet Fission. <i>Journal of Physical Chemistry A</i> , 2020, 124, 9392-9399.	1.1	16
26	Core/Shell Magic-Sized CdSe Nanocrystals. <i>Nano Letters</i> , 2021, 21, 7651-7658.	4.5	16
27	In silico prediction of annihilators for triplet-triplet annihilation upconversion via auxiliary-field quantum Monte Carlo. <i>Chemical Science</i> , 2021, 12, 1068-1079.	3.7	7
28	Growth of rylene diimide crystalline layers on aminoalkyl triethoxysilane-monolayers for organic field effect transistor applications. <i>Journal of Materials Chemistry C</i> , 2013, 1, 6661.	2.7	4