

Andrew J Tilley

List of Publications by Year in descending order

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26
papers

1,280
citations

430442

18
h-index

552369

26
g-index

26
all docs

26
docs citations

26
times ranked

1949
citing authors

#	ARTICLE	IF	CITATIONS
1	Exciton Delocalization Drives Rapid Singlet Fission in Nanoparticles of Acene Derivatives. <i>Journal of the American Chemical Society</i> , 2015, 137, 6790-6803.	6.6	195
2	Observation of Two Triplet-Pair Intermediates in Singlet Exciton Fission. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 2370-2375.	2.1	186
3	Ultrafast Triplet Formation in Thionated Perylene Diimides. <i>Journal of Physical Chemistry C</i> , 2014, 118, 9996-10004.	1.5	118
4	Striking the right balance of intermolecular coupling for high-efficiency singlet fission. <i>Chemical Science</i> , 2018, 9, 6240-6259.	3.7	97
5	Three-Dimensional Arylene Diimide Frameworks for Highly Stable Lithium Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 15631-15637.	4.0	86
6	Thionation Enhances the Electron Mobility of Perylene Diimide for High Performance n-Channel Organic Field Effect Transistors. <i>Advanced Functional Materials</i> , 2015, 25, 3321-3329.	7.8	76
7	Bio-derived Polymers for Sustainable Lithium-ion Batteries. <i>Advanced Functional Materials</i> , 2016, 26, 6896-6903.	7.8	73
8	Solution-processable, crystalline material for quantitative singlet fission. <i>Materials Horizons</i> , 2017, 4, 915-923.	6.4	56
9	Enhanced electron mobility in crystalline thionated naphthalene diimides. <i>Journal of Materials Chemistry C</i> , 2015, 3, 11505-11515.	2.7	47
10	Unusual Capacity Increases with Cycling for Ladder-Type Microporous Polymers. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 1739-1747.	4.0	43
11	One donor-two acceptor (D ₁ -A ₁ -A ₂) random terpolymers containing perylene diimide, naphthalene diimide, and carbazole units. <i>Journal of Polymer Science Part A</i> , 2014, 52, 3337-3345.	2.5	38
12	Molecular weight and end capping effects on the optoelectronic properties of structurally related heavy atom donor-acceptor polymers. <i>Journal of Materials Chemistry A</i> , 2014, 2, 14468-14480.	5.2	34
13	Synthesis and photophysical properties of platinum-acetylide copolymers with thiophene, selenophene and tellurophene. <i>Chemical Communications</i> , 2015, 51, 5475-5478.	2.2	33
14	Sensitized non-coherent photon upconversion by intramolecular triplet-triplet annihilation in a diphenylanthracene pendant polymer. <i>Chemical Physics Letters</i> , 2015, 618, 198-202.	1.2	31
15	Synthesis and Fluorescence Characterization of MEHPPV Oligomers. <i>Journal of Organic Chemistry</i> , 2011, 76, 3372-3380.	1.7	23
16	Polytellurophenes provide imaging contrast towards unravelling the structure-property-function relationships in semiconductor:insulator polymer blends. <i>Journal of Materials Chemistry C</i> , 2015, 3, 3767-3773.	2.7	23
17	Photo-induced energy transfer in ruthenium-centred polymers prepared by a RAFT approach. <i>Polymer</i> , 2013, 54, 2865-2872.	1.8	22
18	Electronic energy transfer in pendant MEH-PPV polymers. <i>Polymer Chemistry</i> , 2012, 3, 892.	1.9	21

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19	Microwave Synthesis of Thionated Naphthalene Diimide-Based Small Molecules and Polymers. <i>Journal of Organic Chemistry</i> , 2017, 82, 12337-12345.	1.7	16
20	Singlet Fission in Core-Shell Micelles of End-Functionalized Polymers. <i>Chemistry of Materials</i> , 2018, 30, 4409-4421.	3.2	16
21	Tetraphenylethene 9,10-Diphenylanthracene Derivatives – Synthesis and Photophysical Properties. <i>ChemPlusChem</i> , 2019, 84, 746-753.	1.3	16
22	A Study of Boratriazoles: An Underdeveloped Class of Heterocycles. <i>Journal of Organic Chemistry</i> , 2016, 81, 10444-10453.	1.7	11
23	2-Morpholinoisoflav-3-enes as flexible intermediates in the synthesis of phenoxodiol, isophenoxodiol, equol and analogues: Vasorelaxant properties, estrogen receptor binding and Rho/RhoA kinase pathway inhibition. <i>Bioorganic and Medicinal Chemistry</i> , 2012, 20, 2353-2361.	1.4	10
24	Excited state dynamics of organic semi-conducting materials. <i>Faraday Discussions</i> , 2015, 177, 111-119.	1.6	6
25	Amine-Substituted Diazocine Derivatives – Synthesis, Structure, and Photophysical Properties. <i>Helvetica Chimica Acta</i> , 2018, 101, e1800146.	1.0	2
26	Thin-Film Transistors: Bio-Derived Polymers for Sustainable Lithium-Ion Batteries (<i>Adv. Funct. Mater.</i>)	7.8	1