

Kealan J Fallon

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,203
citations

516710

16
h-index

752698

20
g-index

23
all docs

23
docs citations

23
times ranked

2263
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent Progress in High-Mobility Organic Transistors: A Reality Check. <i>Advanced Materials</i> , 2018, 30, e1801079.	21.0	498
2	Exploiting Excited-State Aromaticity To Design Highly Stable Singlet Fission Materials. <i>Journal of the American Chemical Society</i> , 2019, 141, 13867-13876.	13.7	104
3	Manipulating molecules with strong coupling: harvesting triplet excitons in organic exciton microcavities. <i>Chemical Science</i> , 2020, 11, 343-354.	7.4	98
4	Synthesis and Exciton Dynamics of Donor-Orthogonal Acceptor Conjugated Polymers: Reducing the Singlet-Triplet Energy Gap. <i>Journal of the American Chemical Society</i> , 2017, 139, 11073-11080.	13.7	95
5	Indolo-naphthyridine-6,13-dione Thiophene Building Block for Conjugated Polymer Electronics: Molecular Origin of Ultrahigh n-Type Mobility. <i>Chemistry of Materials</i> , 2016, 28, 8366-8378.	6.7	52
6	A Nature-Inspired Conjugated Polymer for High Performance Transistors and Solar Cells. <i>Macromolecules</i> , 2015, 48, 5148-5154.	4.8	48
7	The butterfly effect in bisfluorenylidene-based dihydroacenes: aggregation induced emission and spin switching. <i>Chemical Science</i> , 2019, 10, 10733-10739.	7.4	42
8	Molecular Engineering of Chromophores to Enable Triplet-Triplet Annihilation Upconversion. <i>Journal of the American Chemical Society</i> , 2020, 142, 19917-19925.	13.7	42
9	Singlet fission in a hexacene dimer: energetics dictate dynamics. <i>Chemical Science</i> , 2020, 11, 1079-1084.	7.4	35
10	Persistent Multiexcitons from Polymers with Pendent Pentacenes. <i>Journal of the American Chemical Society</i> , 2019, 141, 9564-9569.	13.7	31
11	Tunable Semiconducting Polymer Nanoparticles with IND-T-Based Conjugated Polymers for Photoacoustic Molecular Imaging. <i>Bioconjugate Chemistry</i> , 2017, 28, 1734-1740.	3.6	26
12	Impact of Marginal Exciton-Charge-Transfer State Offset on Charge Generation and Recombination in Polymer:Fullerene Solar Cells. <i>ACS Energy Letters</i> , 2019, 4, 2096-2103.	17.4	24
13	Indolonaphthyridine: A Versatile Chromophore for Organic Electronics Inspired by Natural Indigo Dye. <i>Accounts of Chemical Research</i> , 2021, 54, 182-193.	15.6	19
14	Photon Upconversion Hydrogels for 3D Optogenetics. <i>Advanced Functional Materials</i> , 2021, 31, 2010907.	14.9	19
15	Highly red-shifted NIR emission from a novel anthracene conjugated polymer backbone containing Pt(<i>scpd</i>) porphyrins. <i>Polymer Chemistry</i> , 2016, 7, 722-730.	3.9	18
16	Effect of Alkyl Chain Branching Point on 3D Crystallinity in High n-Type Mobility Indolonaphthyridine Polymers. <i>Advanced Functional Materials</i> , 2017, 27, 1704069.	14.9	18
17	Quantifying Exciton Transport in Singlet Fission Diblock Copolymers. <i>Journal of the American Chemical Society</i> , 2022, 144, 3269-3278.	13.7	17
18	Discerning Bulk and Interfacial Polarons in a Dual Electron Donor/Acceptor Polymer. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 3813-3819.	4.6	9

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19	Deep-red electrophosphorescence from a platinum(II)â€“porphyrin complex copolymerised with polyfluorene for efficient energy transfer and triplet harvesting. Journal of Organic Semiconductors, 2015, 3, 1-7.	1.2	6
20	Tyrian purple: an ancient natural dye for cross-conjugated n-type charge transport. Journal of Materials Chemistry C, 2021, 9, 4200-4205.	5.5	2
21	Transient absorption spectroscopy of ultra-low band gap polymers for organic electronic applications. Proceedings of SPIE, 2016, , .	0.8	0
22	Ultra-low band gap polymers for organic electronic applications. , 0, , .		0
23	Donor and Acceptor Character in a Cross-Conjugated Polymer: a Transient Absorption Spectroscopy Study. , 0, , .		0