

David Bialas

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

25
papers

873
citations

15
h-index

29
g-index

30
ext. papers

1,238
ext. citations

10.3
avg, IF

4.83
L-index

#	Paper	IF	Citations
25	Organic Semiconductors based on Dyes and Color Pigments. <i>Advanced Materials</i> , 2016 , 28, 3615-45	24	298
24	Discrete π Stacks of Perylene Bisimide Dyes within Folda-Dimers: Insight into Long- and Short-Range Exciton Coupling. <i>Journal of the American Chemical Society</i> , 2018 , 140, 9986-9995	16.4	90
23	Tunable Low-LUMO Boron-Doped Polycyclic Aromatic Hydrocarbons by General One-Pot C-H Borylations. <i>Journal of the American Chemical Society</i> , 2019 , 141, 9096-9104	16.4	54
22	Exciton Coupling of Merocyanine Dyes from H- to J-type in the Solid State by Crystal Engineering. <i>Nano Letters</i> , 2017 , 17, 1719-1726	11.5	47
21	Perspectives in Dye Chemistry: A Rational Approach toward Functional Materials by Understanding the Aggregate State. <i>Journal of the American Chemical Society</i> , 2021 , 143, 4500-4518	16.4	46
20	Structural and quantum chemical analysis of exciton coupling in homo- and heteroaggregate stacks of merocyanines. <i>Nature Communications</i> , 2016 , 7, 12949	17.4	46
19	Perylene Diimide-Based H _j - and h _J -Aggregates: The Prospect of Exciton Band Shape Engineering in Organic Materials. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 20567-20578	3.8	43
18	Defined Merocyanine Dye Stacks from a Dimer up to an Octamer by Spacer-Encoded Self-Assembly Approach. <i>Journal of the American Chemical Society</i> , 2019 , 141, 7428-7438	16.4	28
17	Ambient Stable Zwitterionic Perylene Bisimide-Centered Radical. <i>Angewandte Chemie</i> , 2015 , 127, 3682-3685	3.8	28
16	Davydov Splitting in Squaraine Dimers. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 18734-18745	3.8	27
15	An Efficient Narrowband Near-Infrared at 1040 nm Organic Photodetector Realized by Intermolecular Charge Transfer Mediated Coupling Based on a Squaraine Dye. <i>Advanced Materials</i> , 2021 , 33, e2100582	24	24
14	Synthesis and Properties of a New Class of Fully Conjugated Azahexacene Analogues. <i>Angewandte Chemie</i> , 2014 , 126, 6273-6276	3.6	23
13	Polymorphism in Squaraine Dye Aggregates by Self-Assembly Pathway Differentiation: Panchromatic Tubular Dye Nanorods versus J-Aggregate Nanosheets. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 11949-11958	16.4	19
12	Spacer-Modulated Differentiation Between Self-Assembly and Folding Pathways for Bichromophoric Merocyanine Dyes. <i>Chemistry - A European Journal</i> , 2015 , 21, 14851-61	4.8	16
11	Slip-Stacked J-Aggregate Materials for Organic Solar Cells and Photodetectors. <i>Advanced Materials</i> , 2021 , e2104678	24	16
10	Folding-induced exciton coupling in homo- and heterodimers of merocyanine dyes. <i>Chemical Communications</i> , 2016 , 52, 3777-80	5.8	13
9	Exciton-Vibrational Couplings in Homo- and Heterodimer Stacks of Perylene Bisimide Dyes within Cyclophanes: Studies on Absorption Properties and Theoretical Analysis. <i>Chemistry - A European Journal</i> , 2016 , 22, 15011-15018	4.8	12

8	Unusual Non-Kasha Photophysical Behavior of Aggregates of PushPull Donor-Acceptor Chromophores. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 2146-2159	3.8	9
7	Switching resonance character within merocyanine stacks and its impact on excited-state dynamics. <i>Chem</i> , 2021 , 7, 715-725	16.2	7
6	Bis(merocyanine) Hetero-Folda-Dimers: Evaluation of Exciton Coupling between Different Types of Stacked Chromophores. <i>Chemistry - A European Journal</i> , 2019 , 25, 11294-11301	4.8	6
5	Bis(merocyanine) Homo-Folda-Dimers: Evaluation of Electronic and Spectral Changes in Well-Defined Dye Aggregate Geometries. <i>Chemistry - A European Journal</i> , 2019 , 25, 11285-11293	4.8	5
4	Polymorphism in Squaraine Dye Aggregates by Self-Assembly Pathway Differentiation: Panchromatic Tubular Dye Nanorods versus J-Aggregate Nanosheets. <i>Angewandte Chemie</i> , 2021 , 133, 12056-12065	3.6	5
3	Reversible fluorescence modulation through the photoisomerization of an azobenzene-bridged perylene bisimide cyclophane. <i>Organic Chemistry Frontiers</i> , 2021 , 8, 1424-1430	5.2	4
2	Folding and fluorescence enhancement with strong odd-even effect for a series of merocyanine dye oligomers. <i>Chemical Science</i> , 2021 , 12, 8342-8352	9.4	3
1	Innenrücktitelbild: Polymorphism in Squaraine Dye Aggregates by Self-Assembly Pathway Differentiation: Panchromatic Tubular Dye Nanorods versus J-Aggregate Nanosheets (Angew. Chem. 21/2021). <i>Angewandte Chemie</i> , 2021 , 133, 12251-12251	3.6	