

David Bialas

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/9587469/david-bialas-publications-by-year.pdf>

Version: 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Slip-Stacked J-Aggregate Materials for Organic Solar Cells and Photodetectors. <i>Advanced Materials</i> , 2021 , e2104678	24	16
24	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
23	Switching resonance character within merocyanine stacks and its impact on excited-state dynamics. <i>Chem</i> , 2021 , 7, 715-725	16.2	7
22	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	
21	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
20	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
19	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
18	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
17	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
16	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
15	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
14	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
13	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
12	Davydov Splitting in Squaraine Dimers. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 18734-18745	3.8	27
11	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
10	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
9	Discrete 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

8	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
7	Organic Semiconductors based on Dyes and Color Pigments. <i>Advanced Materials</i> , 2016 , 28, 3615-45	24	298
6	Folding-induced exciton coupling in homo- and heterodimers of merocyanine dyes. <i>Chemical Communications</i> , 2016 , 52, 3777-80	5.8	13
5	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
4	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
3	Ambient Stable Zwitterionic Perylene Bisimide-Centered Radical. <i>Angewandte Chemie</i> , 2015 , 127, 3682-3685	3.6	28
2	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
1	Synthesis and Properties of a New Class of Fully Conjugated Azahexacene Analogues. <i>Angewandte Chemie</i> , 2014 , 126, 6273-6276	3.6	23