

David Schmidt

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.

34
papers

1,902
citations

19
h-index

39
g-index

39
ext. papers

2,286
ext. citations

11.3
avg, IF

5.15
L-index

#	Paper	IF	Citations
34	Perylene Bisimide Dye Assemblies as Archetype Functional Supramolecular Materials. <i>Chemical Reviews</i> , 2016 , 116, 962-1052	68.1	1004
33	An ambient stable core-substituted perylene bisimide dianion: isolation and single crystal structure analysis. <i>Chemical Science</i> , 2015 , 6, 1663-1667	9.4	82
32	Ambient stable zwitterionic perylene bisimide-centered radical. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 3611-4	16.4	72
31	An Electron-Poor C64 Nanographene by Palladium-Catalyzed Cascade C-C Bond Formation: One-Pot Synthesis and Single-Crystal Structure Analysis. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 6390-5	16.4	61
30	Influence of Solid-State Packing of Dipolar Merocyanine Dyes on Transistor and Solar Cell Performances. <i>Journal of the American Chemical Society</i> , 2015 , 137, 13524-34	16.4	58
29	Perylene Bisimide Radicals and Biradicals: Synthesis and Molecular Properties. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 13980-4	16.4	58
28	Complete Monitoring of Coherent and Incoherent Spin Flip Domains in the Recombination of Charge-Separated States of Donor-Iridium Complex-Acceptor Triads. <i>Journal of the American Chemical Society</i> , 2015 , 137, 11011-21	16.4	48
27	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
26	Synthesis of a Doubly Boron-Doped Perylene through NHC-Borenium Hydroboration/C-H Borylation/Dehydrogenation. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 11846-11850	16.4	37
25	Tetrahydroxy-Perylene Bisimide Embedded in a Zinc Oxide Thin Film as an Electron-Transporting Layer for High-Performance Non-Fullerene Organic Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 13051-13055	16.4	35
24	Trinuclear Ruthenium Macrocycles: Toward Supramolecular Water Oxidation Catalysis in Pure Water. <i>ACS Energy Letters</i> , 2017 , 2, 288-293	20.1	29
23	Ambient Stable Zwitterionic Perylene Bisimide-Centered Radical. <i>Angewandte Chemie</i> , 2015 , 127, 3682-3685	3.6	28
22	Perylene Bisimide Radicals and Biradicals: Synthesis and Molecular Properties. <i>Angewandte Chemie</i> , 2015 , 127, 14186-14190	3.6	27
21	n-Channel Organic Semiconductors Derived from Air-Stable Four-Coordinate Boron Complexes of Substituted Thienylthiazoles. <i>Chemistry - A European Journal</i> , 2017 , 23, 11620-11628	4.8	26
20	Base-Selective Five- versus Six-Membered Ring Annulation in Palladium-Catalyzed C-C Coupling Cascade Reactions: New Access to Electron-Poor Polycyclic Aromatic Dicarboximides. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 7595-7600	16.4	25
19	A Highly Warped Heptagon-Containing sp Carbon Scaffold via Vinylnaphthyl Extension. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 16504-16507	16.4	24
18	Library of Azabenz-Annulated Core-Extended Perylene Derivatives with Diverse Substitution Patterns and Tunable Electronic and Optical Properties. <i>Journal of Organic Chemistry</i> , 2016 , 81, 8394-405	4.2	20

17	Protein-like Enwrapped Perylene Bisimide Chromophore as a Bright Microcrystalline Emitter Material. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 13385-13389	16.4	20
16	An Electron-Poor C64 Nanographene by Palladium-Catalyzed Cascade C–C Bond Formation: One-Pot Synthesis and Single-Crystal Structure Analysis. <i>Angewandte Chemie</i> , 2016 , 128, 6500-6505	3.6	19
15	Three-Dimensional Metal-Fullerene Frameworks. <i>Chemistry - A European Journal</i> , 2016 , 22, 5982-7	4.8	19
14	1-Mono- and 1,7-Disubstituted Perylene Bisimide Dyes with Voluminous Groups at Bay Positions: In Search for Highly Effective Solid-State Fluorescence Materials. <i>Chemistry of Materials</i> , 2020 , 32, 6222-6236	9.6	18
13	Synthesis of a Doubly Boron-Doped Perylene through NHC-Borenum Hydroboration/C–B Borylation/Dehydrogenation. <i>Angewandte Chemie</i> , 2017 , 129, 12008-12012	3.6	18
12	A cross-coupling-annulation cascade from peri-dibromonaphthalimide to pseudo-rylene bisimides. <i>Organic Chemistry Frontiers</i> , 2016 , 3, 1435-1442	5.2	16
11	Tetrahydroxy-Perylene Bisimide Embedded in a Zinc Oxide Thin Film as an Electron-Transporting Layer for High-Performance Non-Fullerene Organic Solar Cells. <i>Angewandte Chemie</i> , 2019 , 131, 13185-13189	3.6	15
10	A Highly Warped Heptagon-Containing sp ² Carbon Scaffold via Vinylnaphthyl Extension. <i>Angewandte Chemie</i> , 2019 , 131, 16656-16659	3.6	14
9	To be or not to be chematic liquid crystals from shape-persistent V-shaped nematogens with the magic angle. <i>Liquid Crystals</i> , 2018 , 45, 136-151	2.3	13
8	A Crystalline Stack Containing Five Stereoisomers: Insights into Conformational Isomorphism, Chirality Inversion, and Disorder. <i>Angewandte Chemie</i> , 2017 , 129, 11936-11940	3.6	12
7	Base-Assisted Imidization: A Synthetic Method for the Introduction of Bulky Imide Substituents to Control Packing and Optical Properties of Naphthalene and Perylene Imides. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 13401-13405	16.4	9
6	Impact of substituents on molecular properties and catalytic activities of trinuclear Ru macrocycles in water oxidation. <i>Chemical Science</i> , 2020 , 11, 7654-7664	9.4	9
5	fs-ps Exciton dynamics in a stretched tetraphenylsquaraine polymer. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 15346-15355	3.6	6
4	Base-Selective Five- versus Six-Membered Ring Annulation in Palladium-Catalyzed C–C Coupling Cascade Reactions: New Access to Electron-Poor Polycyclic Aromatic Dicarboximides. <i>Angewandte Chemie</i> , 2017 , 129, 7703-7708	3.6	4
3	Protein-like Enwrapped Perylene Bisimide Chromophore as a Bright Microcrystalline Emitter Material. <i>Angewandte Chemie</i> , 2019 , 131, 13519-13523	3.6	4
2	Crystal Engineering of 1D Exciton Systems Composed of Single- and Double-Stranded Perylene Bisimide J-Aggregates. <i>Advanced Optical Materials</i> , 2020 , 8, 2000926	8.1	4
1	Base-Assisted Imidization: A Synthetic Method for the Introduction of Bulky Imide Substituents to Control Packing and Optical Properties of Naphthalene and Perylene Imides. <i>Angewandte Chemie</i> , 2020 , 132, 13503-13507	3.6	1