

# David Schmidt

## List of Publications by Year in descending order

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Version: 2024-02-01

37  
papers

2,552  
citations

279487

23  
h-index

360668

35  
g-index

39  
all docs

39  
docs citations

39  
times ranked

3639  
citing authors

#	ARTICLE	IF	CITATIONS
1	Perylene Bisimide Dye Assemblies as Archetype Functional Supramolecular Materials. <i>Chemical Reviews</i> , 2016, 116, 962-1052.	23.0	1,303
2	An ambient stable core-substituted perylene bisimide dianion: isolation and single crystal structure analysis. <i>Chemical Science</i> , 2015, 6, 1663-1667.	3.7	99
3	Ambient Stable Zwitterionic Perylene Bisimide-Centered Radical. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 3611-3614.	7.2	91
4	An Electron-Poor C <sub>64</sub> 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, 6390-6395.	7.2	80
5	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, 13524-13534.	6.6	68
6	Perylene Bisimide Radicals and Biradicals: Synthesis and Molecular Properties. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 13980-13984.	7.2	65
7	Synthesis of a Doubly Boron-Doped Perylene through NHC-Borenum Hydroboration/C-H Borylation/Dehydrogenation. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 11846-11850.	7.2	59
8	Structural and quantum chemical analysis of exciton coupling in homo- and heteroaggregate stacks of merocyanines. <i>Nature Communications</i> , 2016, 7, 12949.	5.8	58
9	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, 11011-11021.	6.6	55
10	Tetrahydro-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.	7.2	54
11	A Highly Warped Heptagon-Containing sp <sup>2</sup> Carbon Scaffold via Vinyl naphthyl Extension. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 16504-16507.	7.2	48
12	Trinuclear Ruthenium Macrocycles: Toward Supramolecular Water Oxidation Catalysis in Pure Water. <i>ACS Energy Letters</i> , 2017, 2, 288-293.	8.8	41
13	Protein-like Enwrapped Perylene Bisimide Chromophore as a Bright Microcrystalline Emitter Material. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 13385-13389.	7.2	38
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.	3.2	38
15	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.	7.2	35
16	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.	1.7	34
17	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, 8394-8405.	1.7	32
18	Synthesis of a Doubly Boron-Doped Perylene through NHC-Borenum Hydroboration/C-H Borylation/Dehydrogenation. <i>Angewandte Chemie</i> , 2017, 129, 12008-12012.	1.6	29

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19	An Electron-Poor C <sub>64</sub> 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.	1.6	28
20	Supramolecular Approaches to Improve the Performance of Ruthenium-Based Water Oxidation Catalysts. <i>Advanced Energy Materials</i> , 2017, 7, 1602939.	10.2	26
21	Three-Dimensional Metal-Fullerene Frameworks. <i>Chemistry - A European Journal</i> , 2016, 22, 5982-5987.	1.7	25
22	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.	7.2	24
23	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.	1.6	23
24	A cross-coupling-annulation cascade from peri-dibromonaphthalimide to pseudo-rylene bisimides. <i>Organic Chemistry Frontiers</i> , 2016, 3, 1435-1442.	2.3	22
25	A Highly Warped Heptagon-Containing sp <sup>2</sup> Carbon Scaffold via Vinylaphthyl Extension. <i>Angewandte Chemie</i> , 2019, 131, 16656-16659.	1.6	21
26	A Crystalline π-Stack Containing Five Stereoisomers: Insights into Conformational Isomorphism, Chirality Inversion, and Disorder. <i>Angewandte Chemie</i> , 2017, 129, 11936-11940.	1.6	15
27	Impact of substituents on molecular properties and catalytic activities of trinuclear Ru macrocycles in water oxidation. <i>Chemical Science</i> , 2020, 11, 7654-7664.	3.7	15
28	To be or not to be a nematic liquid crystals from shape-persistent V-shaped nematogens with the "magic angle". <i>Liquid Crystals</i> , 2018, 45, 136-151.	0.9	14
29	Crystal Engineering of 1D Exciton Systems Composed of Single- and Double-Stranded Perylene Bisimide J-Aggregates. <i>Advanced Optical Materials</i> , 2020, 8, 2000926.	3.6	12
30	Protein-Like Enwrapped Perylene Bisimide Chromophore as a Bright Microcrystalline Emitter Material. <i>Angewandte Chemie</i> , 2019, 131, 13519-13523.	1.6	11
31	fs-ps Exciton dynamics in a stretched tetraphenylsquaraine polymer. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 15346-15355.	1.3	10
32	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.	1.6	10
33	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.	1.6	7
34	Frontispiece: An Electron-Poor C <sub>64</sub> 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, .	7.2	0
35	Frontispiz: An Electron-Poor C <sub>64</sub> Nanographene by Palladium-Catalyzed Cascade C-C Bond Formation: One-Pot Synthesis and Single-Crystal Structure Analysis. <i>Angewandte Chemie</i> , 2016, 128, .	1.6	0
36	Water Oxidation Catalysts: Supramolecular Approaches to Improve the Performance of Ruthenium-Based Water Oxidation Catalysts ( <i>Adv. Energy Mater.</i> 16/2017). <i>Advanced Energy Materials</i> , 2017, 7, .	10.2	0

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37	Frontispiece: Metal-Based Diversity for Crystalline Metal-Fullerene Frameworks. Chemistry - A European Journal, 2017, 23, .	1.7	0