Prince Ravat

List of Publications by Year
in descending order

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37 papers	1,305 citations	304368 22 h-index	360668 35 g-index
40 all docs	40 docs citations	40 times ranked	1274 citing authors

#	Article	IF	Citations
1	Tetrabenzo[a,f,j,o]perylene: A Polycyclic Aromatic Hydrocarbon With An Openâ€Shell Singlet Biradical Ground State. Angewandte Chemie - International Edition, 2015, 54, 12442-12446.	7.2	103
2	Cethrene: A Helically Chiral Biradicaloid Isomer of Heptazethrene. Angewandte Chemie - International Edition, 2016, 55, 1183-1186.	7.2	94
3	Synthesis of Nitrogenâ€Doped ZigZagâ€Edge Peripheries: Dibenzoâ€9aâ€azaphenalene as Repeating Unit. Angewandte Chemie - International Edition, 2014, 53, 10520-10524.	7.2	92
4	Configurational Stability of [5]Helicenes. Organic Letters, 2017, 19, 3707-3710.	2.4	83
5	Dimethylcethrene: A Chiroptical Diradicaloid Photoswitch. Journal of the American Chemical Society, 2018, 140, 10839-10847.	6.6	83
6	Carbo[n]helicenes Restricted to Enantiomerize: An Insight into the Design Process of Configurationally Stable Functional Chiral PAHs. Chemistry - A European Journal, 2021, 27, 3957-3967.	1.7	83
7	[n]Helicene Diimides (n = 5, 6, and 7): Through-Bond versus Through-Space Conjugation. Journal of the American Chemical Society, 2020, 142, 21298-21303.	6.6	65
8	â€œTschitschibabin type biradicalsâ€• benzenoid or quinoid?. Physical Chemistry Chemical Physics, 2015, 17, 983-991.	1.3	57
9	Ï€-Extended and Curved Antiaromatic Polycyclic Hydrocarbons. Journal of the American Chemical Society, 2017, 139, 7513-7521.	6.6	55
10	Stereospecific Synthesis and Photophysical Properties of Propellerâ€Shaped C₉₀H₄₈PAH. Chemistry - A European Journal, 2019, 25, 16241-16245.	1.7	53
11	Tetrabenzo[a,f,j,o]perylene: A Polycyclic Aromatic Hydrocarbon With An Openâ€Shell Singlet Biradical Ground State. Angewandte Chemie, 2015, 127, 12619-12623.	1.6	42
12	Positive Magneto-LC Effect in Conjugated Spin-Bearing Hexabenzocoronene. Journal of the American Chemical Society, 2014, 136, 12860-12863.	6.6	37
13	Spin-Delocalization in a Helical Open-Shell Hydrocarbon. Journal of Organic Chemistry, 2016, 81, 12303-12317.	1.7	37
14	Cethrene: The Chameleon of Woodwardâ€“Hoffmann Rules. Journal of Organic Chemistry, 2018, 83, 4769-4774.	1.7	33
15	Equivalence of Ethylene and Azo-Bridges in the Modular Design of Molecular Complexes: Role of Weak Interactions. Crystal Growth and Design, 2015, 15, 2389-2401.	1.4	32
16	C₂- and C₁-Symmetric Configurationally Stable Pyrene-Fused [5]Helicenes Connected via Hexagonal and Heptagonal Rings. Organic Letters, 2021, 23, 1339-1343.	2.4	31
17	Anionic Boron- and Carbon-Based Hetero-Diradicaloids Spanned by a p-Phenylene Bridge. Journal of the American Chemical Society, 2021, 143, 3687-3692.	6.6	31
18	Helicenes as Chiroptical Photoswitches. ChemPhotoChem, 2019, 3, 180-186.	1.5	25

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19	Pyrene-Fused [7]Helicenes Connected Via Hexagonal and Heptagonal Rings: Stereospecific Synthesis and Chiroptical Properties. Journal of Organic Chemistry, 2022, 87, 993-1000.	1.7	24
20	Tetramethoxypyrene-Based Biradical Donors with Tunable Physical and Magnetic Properties. Organic Letters, 2013, 15, 4280-4283.	2.4	23
21	Biradicaloid with a Twist: Lowering the Singletâ€“Triplet Gap. Synlett, 2016, 27, 1613-1617.	1.0	23
22	Cethren: ein helikalâ€chirales Biradikaloidâ€Isomer von Heptazethren. Angewandte Chemie, 2016, 128, 1198-1202.	1.6	23
23	Benzo[cd]triangulene: A Spin 1/2 Graphene Fragment. Journal of Organic Chemistry, 2020, 85, 92-100.	1.7	21
24	Electronic Structure and Stability of Fluorophoreâ€“Nitroxide Radicals from Ultrahigh Vacuum to Air Exposure. ACS Applied Materials & Interfaces, 2015, 7, 1685-1692.	4.0	17
25	Breaking the Semiâ€Quinoid Structure: Spinâ€Switching from Strongly Coupled Singlet to Polarized Triplet State. Chemistry - A European Journal, 2014, 20, 12041-12045.	1.7	15
26	Zincâ€[7]helicenocyanine and Its Discrete Ï€â€Stacked Homochiral Dimer. Angewandte Chemie - International Edition, 2021, 60, 23656-23660.	7.2	13
27	Mixed Phenyl and Thiophene Oligomers for Bridging Nitronyl Nitroxides. Journal of Organic Chemistry, 2017, 82, 7764-7773.	1.7	12
28	Crystal Engineering of Tolane Bridged Nitronyl Nitroxide Biradicals: Candidates for Quantum Magnets. Crystal Growth and Design, 2014, 14, 5840-5846.	1.4	11
29	Nonacethrene Unchained: A Cascade to Chiral Contorted Conjugated Hydrocarbon with Two sp³-Defects. Jacs Au, 2022, 2, 1616-1626.	3.6	11
30	Positional Isomers of Tetramethoxypyrene-based Mono- and Biradicals. Journal of Physical Chemistry B, 2015, 119, 13649-13655.	1.2	8
31	Unraveling the mark of surface defects on a spinterface: The nitronyl nitroxide/TiO2(110) interface. Nano Research, 2016, 9, 3515-3527.	5.8	8
32	Imide-Functionalized Helical PAHs: A Step towards New Chiral Functional Materials. Synlett, 2021, 32, 1879-1890.	1.0	7
33	â€˜Forbiddenâ€™ Electrocyclizations of Diradicaloids. Trends in Chemistry, 2019, 1, 705-706.	4.4	6
34	Diamidocarbene-Based Thiele and Tschitschibabin Hydrocarbons: Carbonyl Functionalized KekulÃ© Diradicaloids. Journal of Organic Chemistry, 2021, 86, 16464-16472.	1.7	6
35	Zincâ€[7]helicenocyanin und sein diskretes Ï€â€gestapeltes homochirales Dimer. Angewandte Chemie, 2021, 133, 23848-23852.	1.6	4
36	Nano- and Microspheres Containing Inorganic and Biological Nanoparticles: Self-Assembly and Electron Tomographic Analysis. Journal of the American Chemical Society, 2021, 143, 2822-2828.	6.6	3

#	Article	IF	Citations
37	De Novo Synthesis of Freeâ€Standing Flexible 2D Intercalated Nanofilm Uniform over Tens of cm². Advanced Materials, 2022, 34, e2106465.	11.1	3