Prince Ravat

List of Publications by Year in Descending Order

37 papers	830 citations	19 h-index	28 g-index
40 ext. papers	1,059 ext. citations	8.3 avg, IF	4.92 L-index

#	Paper	IF	Citations
37	Pyrene-Fused [7]Helicenes Connected Via Hexagonal and Heptagonal Rings: Stereospecific Synthesis and Chiroptical Properties.. *Journal of Organic Chemistry*, **2022**,	4.2	3
36	Diamidocarbene-Based Thiele and Tschitschibabin Hydrocarbons: Carbonyl Functionalized Kekul Diradicaloids. *Journal of Organic Chemistry*, **2021**, 86, 16464-16472	4.2	1
35	De Novo Synthesis of Free-Standing Flexible 2D Intercalated Nanofilm Uniform over Tens of cm. *Advanced Materials*, **2021**, e2106465	24	0
34	Anionic Boron- and Carbon-Based Hetero-Diradicaloids Spanned by a -Phenylene Bridge. *Journal of the American Chemical Society*, **2021**, 143, 3687-3692	16.4	8
33	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	4.8	33
32	- and -Symmetric Configurationally Stable Pyrene-Fused [5]Helicenes Connected via Hexagonal and Heptagonal Rings. *Organic Letters*, **2021**, 23, 1339-1343	6.2	12
31	Nano- and Microspheres Containing Inorganic and Biological Nanoparticles: Self-Assembly and Electron Tomographic Analysis. *Journal of the American Chemical Society*, **2021**, 143, 2822-2828	16.4	1
30	Zinc-[7]helicenocyanine and Its Discrete Stacked Homochiral Dimer. *Angewandte Chemie - International Edition*, **2021**, 60, 23656-23660	16.4	7
29	Zinc-[7]helicenocyanin und sein diskretes gestapeltes homochirales Dimer. *Angewandte Chemie*, **2021**, 133, 23848	3.6	2
28	[]Helicene Diimides (= 5, 6, and 7): Through-Bond versus Through-Space Conjugation. *Journal of the American Chemical Society*, **2020**, 142, 21298-21303	16.4	23
27	Benzo[]triangulene: A Spin 1/2 Graphene Fragment. *Journal of Organic Chemistry*, **2020**, 85, 92-100	4.2	8
26	orbidden Electrocyclizations of Diradicaloids. *Trends in Chemistry*, **2019**, 1, 705-706	14.8	3
25	Helicenes as Chiroptical Photoswitches. *ChemPhotoChem*, **2019**, 3, 180-186	3.3	9
24	Stereospecific Synthesis and Photophysical Properties of Propeller-Shaped C H PAH. *Chemistry - A European Journal*, **2019**, 25, 16241-16245	4.8	32
23	Cethrene: The Chameleon of Woodward-Hoffmann Rules. *Journal of Organic Chemistry*, **2018**, 83, 4769-4774	4.2	19
22	Dimethylcethrene: A Chiroptical Diradicaloid Photoswitch. *Journal of the American Chemical Society*, **2018**, 140, 10839-10847	16.4	49
21	Extended and Curved Antiaromatic Polycyclic Hydrocarbons. *Journal of the American Chemical Society*, **2017**, 139, 7513-7521	16.4	44

20	Mixed Phenyl and Thiophene Oligomers for Bridging Nitronyl Nitroxides. *Journal of Organic Chemistry*, **2017**, 82, 7764-7773	4.2	11
19	Configurational Stability of [5]Helicenes. *Organic Letters*, **2017**, 19, 3707-3710	6.2	47
18	Unraveling the mark of surface defects on a spinterface: The nitronyl nitroxide/TiO2(110) interface. *Nano Research*, **2016**, 9, 3515-3527	10	6
17	Spin-Delocalization in a Helical Open-Shell Hydrocarbon. *Journal of Organic Chemistry*, **2016**, 81, 12303-12317	4.2	22
16	Cethren: ein helikal-chirales Biradikaloid-Isomer von Heptazethren. *Angewandte Chemie*, **2016**, 128, 1198-1202	5.6	20
15	Cethrene: A Helically Chiral Biradicaloid Isomer of Heptazethrene. *Angewandte Chemie - International Edition*, **2016**, 55, 1183-6	16.4	62
14	Biradicaloid with a Twist: Lowering the Singlet–Triplet Gap. *Synlett*, **2016**, 27, 1613-1617	2.2	19
13	Positional Isomers of Tetramethoxypyrene-based Mono- and Biradicals. *Journal of Physical Chemistry B*, **2015**, 119, 13649-55	3.4	6
12	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	3.5	24
11	Tetrabenzo[a,f,j,o]perylene: A Polycyclic Aromatic Hydrocarbon With An Open-Shell Singlet Biradical Ground State. *Angewandte Chemie*, **2015**, 127, 12619-12623	3.6	36
10	Electronic structure and stability of fluorophore-nitroxide radicals from ultrahigh vacuum to air exposure. *ACS Applied Materials & Interfaces*, **2015**, 7, 1685-92	9.5	14
9	"Tschitschibabin type biradicals": benzenoid or quinoid?. *Physical Chemistry Chemical Physics*, **2015**, 17, 983-91	3.6	38
8	Tetrabenzo[a,f,j,o]perylene: a polycyclic aromatic hydrocarbon with an open-shell singlet biradical ground state. *Angewandte Chemie - International Edition*, **2015**, 54, 12442-6	16.4	90
7	Crystal Engineering of Tolane Bridged Nitronyl Nitroxide Biradicals: Candidates for Quantum Magnets. *Crystal Growth and Design*, **2014**, 14, 5840-5846	3.5	9
6	Synthese Stickstoff-dotierter Zickzackkanten: Dibenzo-9a-azaphenalen als molekularer Baustein. *Angewandte Chemie*, **2014**, 126, 10688-10692	3.6	26
5	Breaking the semi-quinoid structure: spin-switching from strongly coupled singlet to polarized triplet state. *Chemistry - A European Journal*, **2014**, 20, 12041-5	4.8	12
4	Synthesis of nitrogen-doped zigzag-edge peripheries: dibenzo-9a-azaphenalene as repeating unit. *Angewandte Chemie - International Edition*, **2014**, 53, 10520-4	16.4	78
3	Positive magneto-LC effect in conjugated spin-bearing hexabenzocoronene. *Journal of the American Chemical Society*, **2014**, 136, 12860-3	16.4	32

2	Tetramethoxypyrene-based biradical donors with tunable physical and magnetic properties. *Organic Letters*, **2013**, 15, 4280-3	6.2	21
1	Imide-Functionalized Helical PAHs: A Step towards New Chiral Functional Materials. *Synlett*,32,	2.2	2