

# Prince Ravat

## List of Publications by Citations

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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	Tetrabenzo[a,f,j,o]perylene: a polycyclic aromatic hydrocarbon with an open-shell singlet biradical ground state. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 12442-6	16.4	90
36	Synthesis of nitrogen-doped zigzag-edge peripheries: dibenzo-9a-azaphenylene as repeating unit. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 10520-4	16.4	78
35	Cethrene: A Helically Chiral Biradicaloid Isomer of Heptazethrene. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 1183-6	16.4	62
34	Dimethylcethrene: A Chiroptical Diradicaloid Photoswitch. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 10839-10847	16.4	49
33	Configurational Stability of [5]Helicenes. <i>Organic Letters</i> , <b>2017</b> , 19, 3707-3710	6.2	47
32	Extended and Curved Antiaromatic Polycyclic Hydrocarbons. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 7513-7521	16.4	44
31	"Tschitschibabin type biradicals": benzenoid or quinoid?. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 983-91	3.6	38
30	Tetrabenzo[a,f,j,o]perylene: A Polycyclic Aromatic Hydrocarbon With An Open-Shell Singlet Biradical Ground State. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 12619-12623	3.6	36
29	Carbo[n]helicenes Restricted to Enantiomerize: An Insight into the Design Process of Configurationally Stable Functional Chiral PAHs. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 3957-3967	4.8	33
28	Positive magneto-LC effect in conjugated spin-bearing hexabenzocoronene. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 12860-3	16.4	32
27	Stereospecific Synthesis and Photophysical Properties of Propeller-Shaped C <sub>18</sub> H <sub>12</sub> PAH. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 16241-16245	4.8	32
26	Synthese Stickstoff-dotierter Zickzackkanten: Dibenzo-9a-azaphenalen als molekularer Baustein. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 10688-10692	3.6	26
25	Equivalence of Ethylene and Azo-Bridges in the Modular Design of Molecular Complexes: Role of Weak Interactions. <i>Crystal Growth and Design</i> , <b>2015</b> , 15, 2389-2401	3.5	24
24	[n]Helicene Diimides (= 5, 6, and 7): Through-Bond versus Through-Space Conjugation. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 21298-21303	16.4	23
23	Spin-Delocalization in a Helical Open-Shell Hydrocarbon. <i>Journal of Organic Chemistry</i> , <b>2016</b> , 81, 12303-12317	3.6	22
22	Tetramethoxypyrene-based biradical donors with tunable physical and magnetic properties. <i>Organic Letters</i> , <b>2013</b> , 15, 4280-3	6.2	21
21	Cethren: ein helikal-chirales Biradikaloid-Isomer von Heptazethren. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 1198-1202	3.6	20

20	Cethrene: The Chameleon of Woodward-Hoffmann Rules. <i>Journal of Organic Chemistry</i> , <b>2018</b> , 83, 4769-4774	4.74	19
19	Biradicaloid with a Twist: Lowering the Singlet-Triplet Gap. <i>Synlett</i> , <b>2016</b> , 27, 1613-1617	2.2	19
18	Electronic structure and stability of fluorophore-nitroxide radicals from ultrahigh vacuum to air exposure. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 1685-92	9.5	14
17	Breaking the semi-quinoid structure: spin-switching from strongly coupled singlet to polarized triplet state. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 12041-5	4.8	12
16	- and -Symmetric Configurationally Stable Pyrene-Fused [5]Helicenes Connected via Hexagonal and Heptagonal Rings. <i>Organic Letters</i> , <b>2021</b> , 23, 1339-1343	6.2	12
15	Mixed Phenyl and Thiophene Oligomers for Bridging Nitronyl Nitroxides. <i>Journal of Organic Chemistry</i> , <b>2017</b> , 82, 7764-7773	4.2	11
14	Helicenes as Chiroptical Photoswitches. <i>ChemPhotoChem</i> , <b>2019</b> , 3, 180-186	3.3	9
13	Crystal Engineering of Tolane Bridged Nitronyl Nitroxide Biradicals: Candidates for Quantum Magnets. <i>Crystal Growth and Design</i> , <b>2014</b> , 14, 5840-5846	3.5	9
12	Anionic Boron- and Carbon-Based Hetero-Diradicaloids Spanned by a -Phenylene Bridge. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 3687-3692	16.4	8
11	Benzo[ <i>a</i> ]triangulene: A Spin 1/2 Graphene Fragment. <i>Journal of Organic Chemistry</i> , <b>2020</b> , 85, 92-100	4.2	8
10	Zinc-[7]helicenocyanine and Its Discrete $\pi$ -Stacked Homochiral Dimer. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 23656-23660	16.4	7
9	Positional Isomers of Tetramethoxypyrene-based Mono- and Biradicals. <i>Journal of Physical Chemistry B</i> , <b>2015</b> , 119, 13649-55	3.4	6
8	Unraveling the mark of surface defects on a spinterface: The nitronyl nitroxide/TiO <sub>2</sub> (110) interface. <i>Nano Research</i> , <b>2016</b> , 9, 3515-3527	10	6
7	Forbidden-Electrocyclizations of Diradicaloids. <i>Trends in Chemistry</i> , <b>2019</b> , 1, 705-706	14.8	3
6	Pyrene-Fused [7]Helicenes Connected Via Hexagonal and Heptagonal Rings: Stereospecific Synthesis and Chiroptical Properties.. <i>Journal of Organic Chemistry</i> , <b>2022</b> ,	4.2	3
5	Imide-Functionalized Helical PAHs: A Step towards New Chiral Functional Materials. <i>Synlett</i> , <b>2021</b> ,	2.2	2
4	Zinc-[7]helicenocyanin und sein diskretes $\pi$ -gestapeltes homochirales Dimer. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 23848	3.6	2
3	Diamidocarbene-Based Thiele and Tschitschibabin Hydrocarbons: Carbonyl Functionalized Kekulé Diradicaloids. <i>Journal of Organic Chemistry</i> , <b>2021</b> , 86, 16464-16472	4.2	1

2	Nano- and Microspheres Containing Inorganic and Biological Nanoparticles: Self-Assembly and Electron Tomographic Analysis. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 2822-2828	16.4	1
1	De Novo Synthesis of Free-Standing Flexible 2D Intercalated Nanofilm Uniform over Tens of cm. <i>Advanced Materials</i> , <b>2021</b> , e2106465	24	0