

Ludovic Favereau

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1363796/publications.pdf>

Version: 2024-02-01

37
papers

1,698
citations

394421

19
h-index

330143

37
g-index

41
all docs

41
docs citations

41
times ranked

1430
citing authors

#	ARTICLE	IF	CITATIONS
1	Planar Chiral Analogues of PRODAN Based on a [2.2]Paracyclophane Scaffold: Synthesis and Photophysical Studies. <i>Journal of Organic Chemistry</i> , 2022, 87, 147-158.	3.2	5
2	Carbazole Isomerism in Helical Radical Cations: Spin Delocalization and SOMOâ€“HOMO Level Inversion in the Diradical State. <i>Journal of the American Chemical Society</i> , 2022, 144, 7253-7263.	13.7	15
3	Circularly polarized-thermally activated delayed fluorescent materials based on chiral bicarbazole donors. <i>Chemical Communications</i> , 2022, 58, 6554-6557.	4.1	5
4	Axial and helical thermally activated delayed fluorescence bicarbazole emitters: opposite modulation of circularly polarized luminescence through intramolecular charge-transfer dynamics. <i>Journal of Materials Chemistry C</i> , 2021, 9, 11905-11914.	5.5	16
5	Exciton coupling chirality in helicene-porphyrin conjugates. <i>Chemical Communications</i> , 2021, 57, 10743-10746.	4.1	11
6	Helical donorâ€“acceptor platinum complexes displaying dual luminescence and near-infrared circularly polarized luminescence. <i>Dalton Transactions</i> , 2021, 50, 13220-13226.	3.3	14
7	Designs and Applications of Circularly Polarized Thermally Activated Delayed Fluorescence Molecules. <i>Advanced Functional Materials</i> , 2021, 31, 2010281.	14.9	141
8	Flavinâ€“Helicene Amphiphilic Hybrids: Synthesis, Characterization, and Preparation of Surfaceâ€“Supported Films. <i>ChemPlusChem</i> , 2021, 86, 982-990.	2.8	3
9	Why is the Energy of the Singly Occupied Orbital in Some Radicals below the Highest Occupied Orbital Energy?. <i>Chemistry of Materials</i> , 2021, 33, 3678-3691.	6.7	25
10	Rhodiumâ€“Catalyzed Enantioselective Synthesis of Highly Fluorescent and CPLâ€“Active Dispiroindeno[2,1â€“ <i>c</i>]fluorenes. <i>Chemistry - A European Journal</i> , 2021, 27, 11279-11284.	3.3	11
11	Helically Chiral NHCâ€“Gold(I) Complexes: Synthesis, Chiroptical Properties and Electronic Features of the [5]Heliceneâ€“imidazolylidene Ligand. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 4769-4776.	2.4	9
12	Triskelion-shaped iridium-helicene NHC complex. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 3916-3925.	6.0	13
13	Achieving high circularly polarized luminescence with pushâ€“pull helicenic systems: from rationalized design to top-emission CP-OLED applications. <i>Chemical Science</i> , 2021, 12, 5522-5533.	7.4	106
14	Luminescent Chiral Exciplexes with Skyâ€“Blue and Green Circularly Polarizedâ€“Thermally Activated Delayed Fluorescence. <i>Chemistry - A European Journal</i> , 2021, 27, 16505-16511.	3.3	8
15	Modulation of circularly polarized luminescence through excited-state symmetry breaking and interbranched exciton coupling in helical pushâ€“pull organic systems. <i>Chemical Science</i> , 2020, 11, 567-576.	7.4	79
16	Persistent Organic Room-Temperature Phosphorescence in Cyclohexane- <i>trans</i> -1,2-Bisphthalimide Derivatives: The Dramatic Impact of Heterochiral vs Homochiral interactions. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 6426-6434.	4.6	20
17	Frontispiz: Longâ€“Lived Circularly Polarized Phosphorescence in Heliceneâ€“NHC Rhenium(I) Complexes: The Influence of Helicene, Halogen, and Stereochemistry on Emission Properties. <i>Angewandte Chemie</i> , 2020, 132, .	2.0	0
18	Axially and Helically Chiral Cationic Radical Bicarbazoles: SOMOâ€“HOMO Level Inversion and Chirality Impact on the Stability of Mono- and Diradical Cations. <i>Journal of the American Chemical Society</i> , 2020, 142, 20409-20418.	13.7	42

#	ARTICLE	IF	CITATIONS
19	Synthesis, characterization and use of benzothioxanthene imide based dimers. <i>Chemical Communications</i> , 2020, 56, 10131-10134.	4.1	10
20	Maximizing Chiral Perturbation on Thermally Activated Delayed Fluorescence Emitters and Elaboration of the First Top-Emission Circularly Polarized OLED. <i>Advanced Functional Materials</i> , 2020, 30, 2004838.	14.9	94
21	Frontispiece: Long-Lived Circularly Polarized Phosphorescence in Helicene-NHC Rhenium(I) Complexes: The Influence of Helicene, Halogen, and Stereochemistry on Emission Properties. <i>Angewandte Chemie - International Edition</i> , 2020, 59, .	13.8	0
22	Bipyrrole boomerangs via Pd-mediated tandem cyclization-oxygenation. Controlling reaction selectivity and electronic properties. <i>Beilstein Journal of Organic Chemistry</i> , 2020, 16, 895-903.	2.2	6
23	Long-Lived Circularly Polarized Phosphorescence in Helicene-NHC Rhenium(I) Complexes: The Influence of Helicene, Halogen, and Stereochemistry on Emission Properties. <i>Angewandte Chemie</i> , 2020, 132, 8472-8478.	2.0	22
24	Long-Lived Circularly Polarized Phosphorescence in Helicene-NHC Rhenium(I) Complexes: The Influence of Helicene, Halogen, and Stereochemistry on Emission Properties. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 8394-8400.	13.8	64
25	Chiral Diketopyrrolopyrrole-Helicene Polymer With Efficient Red Circularly Polarized Luminescence. <i>Frontiers in Chemistry</i> , 2020, 8, 237.	3.6	24
26	Enantioenriched Helicenes and Helicenoids Containing Main-Group Elements (B, Si, N, P). <i>Chemical Reviews</i> , 2019, 119, 8846-8953.	47.7	389
27	Synthesis and chiroptical properties of organometallic complexes of helicenic N-heterocyclic carbenes. <i>Chirality</i> , 2019, 31, 1005-1013.	2.6	10
28	A kinetic resolution strategy for the synthesis of chiral octahedral NHC-iridium catalysts. <i>Chemical Communications</i> , 2019, 55, 6058-6061.	4.1	16
29	An Enantiopure Cyclometallated Iridium Complex Displaying Long-Lived Phosphorescence both in Solution and in the Solid State. <i>Helvetica Chimica Acta</i> , 2019, 102, e1900044.	1.6	30
30	Bis-4-aza[6]helicene: A Bis-helicenic 2,2'-Bipyridine with Chemically Triggered Chiroptical Switching Activity. <i>Journal of Organic Chemistry</i> , 2019, 84, 5383-5393.	3.2	50
31	3D Coumarin Systems Based on [2.2]Paracyclophane: Synthesis, Spectroscopic Characterization, and Chiroptical Properties. <i>Journal of Organic Chemistry</i> , 2019, 84, 888-899.	3.2	28
32	Tetrathiafulvalene-Based Helicene Ligand in the Design of a Dysprosium Field-Induced Single-Molecule Magnet. <i>Inorganic Chemistry</i> , 2019, 58, 52-56.	4.0	30
33	Exciton coupling in diketopyrrolopyrrole-helicene derivatives leads to red and near-infrared circularly polarized luminescence. <i>Chemical Science</i> , 2018, 9, 735-742.	7.4	122
34	Helicenes Grafted with 1,1,4,4-Tetracyanobutadiene Moieties: Helical Push-Pull Systems with Strong Electronic Circular Dichroism and Two-Photon Absorption. <i>Chemistry - A European Journal</i> , 2018, 24, 14484-14494.	3.3	27
35	Enantiopure Cycloiridiated Complexes Bearing a Pentahelicenic N-Heterocyclic Carbene and Displaying Long-Lived Circularly Polarized Phosphorescence. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 8236-8239.	13.8	143
36	Enantiopure Cycloiridiated Complexes Bearing a Pentahelicenic N-Heterocyclic Carbene and Displaying Long-Lived Circularly Polarized Phosphorescence. <i>Angewandte Chemie</i> , 2017, 129, 8348-8351.	2.0	42

#	ARTICLE	IF	CITATIONS
37	Enantiopure versus Racemic Naphthalimide End-Capped Helicenic Non-Fullerene Electron Acceptors: Impact on Organic Photovoltaics Performance. Chemistry - A European Journal, 2017, 23, 6277-6281.	3.3	66