

Ludovic Favereau

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

1,698
citations

393982

19
h-index

329751

37
g-index

41
all docs

41
docs citations

41
times ranked

1430
citing authors

#	ARTICLE	IF	CITATIONS
1	Enantioenriched Helicenes and Helicenoids Containing Main-Group Elements (B, Si, N, P). <i>Chemical Reviews</i> , 2019, 119, 8846-8953.	23.0	389
2	Enantiopure Cycloiridiated Complexes Bearing a Pentahelicenic Nâ€Heterocyclic Carbene and Displaying Longâ€Lived Circularly Polarized Phosphorescence. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 8236-8239.	7.2	143
3	Designs and Applications of Circularly Polarized Thermally Activated Delayed Fluorescence Molecules. <i>Advanced Functional Materials</i> , 2021, 31, 2010281.	7.8	141
4	Exciton coupling in diketopyrrolopyrroleâ€helicene derivatives leads to red and near-infrared circularly polarized luminescence. <i>Chemical Science</i> , 2018, 9, 735-742.	3.7	122
5	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.	3.7	106
6	Maximizing Chiral Perturbation on Thermally Activated Delayed Fluorescence Emitters and Elaboration of the First Topâ€Emission Circularly Polarized OLED. <i>Advanced Functional Materials</i> , 2020, 30, 2004838.	7.8	94
7	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.	3.7	79
8	Enantiopure versus Racemic Naphthalimide Endâ€Capped Helicenic Nonâ€fullerene Electron Acceptors: Impact on Organic Photovoltaics Performance. <i>Chemistry - A European Journal</i> , 2017, 23, 6277-6281.	1.7	66
9	Longâ€Lived Circularly Polarized Phosphorescence in Heliceneâ€NHC Rhenium(I) Complexes: The Influence of Helicene, Halogen, and Stereochemistry on Emission Properties. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 8394-8400.	7.2	64
10	Bis-4-aza[6]helicene: A Bis-helicenic 2,2â€Bipyridine with Chemically Triggered Chiroptical Switching Activity. <i>Journal of Organic Chemistry</i> , 2019, 84, 5383-5393.	1.7	50
11	Enantiopure Cycloiridiated Complexes Bearing a Pentahelicenic Nâ€Heterocyclic Carbene and Displaying Longâ€Lived Circularly Polarized Phosphorescence. <i>Angewandte Chemie</i> , 2017, 129, 8348-8351.	1.6	42
12	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.	6.6	42
13	An Enantiopure Cyclometallated Iridium Complex Displaying Longâ€Lived Phosphorescence both in Solution and in the Solid State. <i>Helvetica Chimica Acta</i> , 2019, 102, e1900044.	1.0	30
14	Tetrathiafulvalene-Based Helicene Ligand in the Design of a Dysprosium Field-Induced Single-Molecule Magnet. <i>Inorganic Chemistry</i> , 2019, 58, 52-56.	1.9	30
15	3D Coumarin Systems Based on [2.2]Paracyclophane: Synthesis, Spectroscopic Characterization, and Chiroptical Properties. <i>Journal of Organic Chemistry</i> , 2019, 84, 888-899.	1.7	28
16	Helicenes Grafted with 1,1,4,4â€Tetracyanobutadiene Moieties: Î€Helical Pushâ€Pull Systems with Strong Electronic Circular Dichroism and Twoâ€Photon Absorption. <i>Chemistry - A European Journal</i> , 2018, 24, 14484-14494.	1.7	27
17	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.	3.2	25
18	Chiral Diketopyrrolopyrrole-Helicene Polymer With Efficient Red Circularly Polarized Luminescence. <i>Frontiers in Chemistry</i> , 2020, 8, 237.	1.8	24

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19	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.	1.6	22
20	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.	2.1	20
21	A kinetic resolution strategy for the synthesis of chiral octahedral NHC-iridium(III) catalysts. <i>Chemical Communications</i> , 2019, 55, 6058-6061.	2.2	16
22	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.	2.7	16
23	Carbazole Isomerism in Helical Radical Cations: Spin Delocalization and SOMO-HOMO Level Inversion in the Diradical State. <i>Journal of the American Chemical Society</i> , 2022, 144, 7253-7263.	6.6	15
24	Helical donor-acceptor platinum complexes displaying dual luminescence and near-infrared circularly polarized luminescence. <i>Dalton Transactions</i> , 2021, 50, 13220-13226.	1.6	14
25	Triskelion-shaped iridium-helicene NHC complex. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 3916-3925.	3.0	13
26	Exciton coupling chirality in helicene-porphyrin conjugates. <i>Chemical Communications</i> , 2021, 57, 10743-10746.	2.2	11
27	Rhodium-Catalyzed Enantioselective Synthesis of Highly Fluorescent and CPL-Active Dispiroindeno[2,1- <i>bc</i>]fluorenes. <i>Chemistry - A European Journal</i> , 2021, 27, 11279-11284.	1.7	11
28	Synthesis and chiroptical properties of organometallic complexes of helicenic N-heterocyclic carbenes. <i>Chirality</i> , 2019, 31, 1005-1013.	1.3	10
29	Synthesis, characterization and use of benzothioxanthene imide based dimers. <i>Chemical Communications</i> , 2020, 56, 10131-10134.	2.2	10
30	Helically Chiral NHC-Gold(I) Complexes: Synthesis, Chiroptical Properties and Electronic Features of the [5]Helicene-Midazolylidene Ligand. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 4769-4776.	1.2	9
31	Luminescent Chiral Exciplexes with Sky-Blue and Green Circularly Polarized Thermally Activated Delayed Fluorescence. <i>Chemistry - A European Journal</i> , 2021, 27, 16505-16511.	1.7	8
32	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.	1.3	6
33	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.	1.7	5
34	Circularly polarized-thermally activated delayed fluorescent materials based on chiral bicarbazole donors. <i>Chemical Communications</i> , 2022, 58, 6554-6557.	2.2	5
35	Flavin-Helicene Amphiphilic Hybrids: Synthesis, Characterization, and Preparation of Surface-Supported Films. <i>ChemPlusChem</i> , 2021, 86, 982-990.	1.3	3
36	Frontispiz: 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, .	1.6	0

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37	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, .	7.2	0