

CÃ©line Besnard

List of Publications by Year in descending order

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papers

3,227
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159585

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docs citations

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times ranked

3123
citing authors

#	ARTICLE	IF	CITATIONS
1	Fused Indolines by Palladium-Catalyzed Asymmetric C-C Coupling Involving an Unactivated Methylene Group. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 7438-7441.	13.8	290
2	Near-Infrared-Visible Light Upconversion in a Molecular Trinuclear d-f-d Complex. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 4108-4112.	13.8	171
3	Chiral Molecular Ruby [Cr(dqp) ₂] ³⁺ with Long-Lived Circularly Polarized Luminescence. <i>Journal of the American Chemical Society</i> , 2019, 141, 13244-13252.	13.7	135
4	Catalysis with chalcogen bonds: neutral benzodiselenazole scaffolds with high-precision selenium donors of variable strength. <i>Chemical Science</i> , 2017, 8, 8164-8169.	7.4	123
5	Combined reversible switching of ECD and quenching of CPL with chiral fluorescent macrocycles. <i>Chemical Science</i> , 2018, 9, 7043-7052.	7.4	111
6	Scope and mechanism of asymmetric C(sp ³)-H/C(Ar)-X coupling reactions: computational and experimental study. <i>Chemical Science</i> , 2013, 4, 1995.	7.4	108
7	One-Step Synthesis of Nitrogen-Containing Medium-Sized Rings via $\hat{\text{I}}$ -Imino Diazo Intermediates. <i>Organic Letters</i> , 2014, 16, 3232-3235.	4.6	98
8	Modular Synthesis, Orthogonal Post-Functionalization, Absorption, and Chiroptical Properties of Cationic [6]Helicenes. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 1796-1800.	13.8	92
9	Zwitterionic [4]helicene: a water-soluble and reversible pH-triggered ECD/CPL chiroptical switch in the UV and red spectral regions. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 4590-4594.	2.8	67
10	Direct Access to Chiral Secondary Amides by Copper-Catalyzed Borylative Carboxamidation of Vinylarenes with Isocyanates. <i>Journal of the American Chemical Society</i> , 2020, 142, 623-632.	13.7	63
11	Ni-Catalyzed Regiodivergent and Stereoselective Hydroalkylation of Acyclic Branched Dienes with Unstabilized C(sp ³) Nucleophiles. <i>Journal of the American Chemical Society</i> , 2020, 142, 16486-16492.	13.7	62
12	Pnictogen-bonding catalysis: brevetoxin-type polyether cyclizations. <i>Chemical Science</i> , 2020, 11, 7086-7091.	7.4	62
13	Rhodium(II)-Catalyzed One-Pot Four-Component Synthesis of Functionalized Polyether Macrocycles at High Concentration. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 7253-7256.	13.8	60
14	Bright Long-Lived Circularly Polarized Luminescence in Chiral Chromium(III) Complexes. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 10095-10102.	13.8	60
15	N-Heterocyclic Tridentate Aromatic Ligands Bound to [Ln(hexafluoroacetylacetonate) ₃] Units: Thermodynamic, Structural, and Luminescent Properties. <i>Chemistry - A European Journal</i> , 2012, 18, 7155-7168.	3.3	59
16	Palladium-N-Heterocyclic Carbene (NHC)-Catalyzed Asymmetric Synthesis of Indolines through Regiodivergent C(sp ³)-H Activation: Scope and DFT Study. <i>Chemistry - A European Journal</i> , 2014, 20, 15021-15030.	3.3	59
17	Macrocyclization of Oxetane Building Blocks with Diazocarbonyl Derivatives under Rhodium(II) Catalysis. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 7308-7311.	13.8	56
18	Persistent Bidirectional Optical Switching in the 2D High-Spin Polymer {[Fe(bbtr) ₃](BF ₄) ₂] ₂ }. <i>Journal of the American Chemical Society</i> , 2012, 134, 4049-4052.	13.7	55

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19	On-Demand Degradation of Metal-Organic Framework Based on Photocleavable Dianthracene-Based Ligand. <i>Journal of the American Chemical Society</i> , 2018, 140, 10820-10828.	13.7	54
20	Polycyclic Indole-Benzodiazepines through Electrophilic Additions of α -Imino Carbenes to Tröger Bases. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 7151-7155.	13.8	52
21	Synthesis, Resolution, and Stabilities of a Cationic Chromenoxanthene [4]helicene. <i>Organic Letters</i> , 2010, 12, 1748-1751.	4.6	48
22	Very Long-Lived Photogenerated High-Spin Phase of a Multistable Spin-Crossover Molecular Material. <i>Journal of the American Chemical Society</i> , 2018, 140, 12870-12876.	13.7	42
23	Enolate Stabilization by Anion- π Interactions: Deuterium Exchange in Malonate Dilactones on γ -Acidic Surfaces. <i>Chemistry - A European Journal</i> , 2016, 22, 2648-2657.	3.3	41
24	Diversity-oriented synthesis of heterocycles and macrocycles by controlled reactions of oxetanes with α -iminocarbenes. <i>Chemical Science</i> , 2017, 8, 5713-5720.	7.4	41
25	Cr ^{III} as an alternative to Ru ^{II} in metallo-supramolecular chemistry. <i>Dalton Transactions</i> , 2017, 46, 8992-9009.	3.3	40
26	Anion- π Catalysis of Diels-Alder Reactions. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 13066-13069.	13.8	39
27	Versatile heteroleptic bis-terdentate Cr(^{III}) chromophores displaying room temperature millisecond excited state lifetimes. <i>Chemical Communications</i> , 2018, 54, 13228-13231.	4.1	36
28	Chalcogen-Bonding Catalysis: From Neutral to Cationic Benzodiselenazole Scaffolds. <i>Helvetica Chimica Acta</i> , 2018, 101, e1800075.	1.6	35
29	Highly selective additions of hydride and organolithium nucleophiles to helical carbenium ions. <i>Chemical Science</i> , 2011, 2, 425-428.	7.4	34
30	Direct Organocatalysed Double Michael Addition of α -Angelica Lactone to Enones. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 4372-4381.	2.4	29
31	Heteroleptic Ter-Bidentate Cr(III) Complexes as Tunable Optical Sensitizers. <i>Inorganic Chemistry</i> , 2018, 57, 14362-14373.	4.0	29
32	Diastereoselective Amplification of a Mechanically Chiral [2]Catenane. <i>Journal of the American Chemical Society</i> , 2021, 143, 11957-11962.	13.7	29
33	Structural Investigation of the High Spin-Low Spin Relaxation Dynamics of the Porous Coordination Network [Fe(pz)Pt(CN) ₄] _n ·2.6nH ₂ O. <i>Chemistry - A European Journal</i> , 2015, 21, 3664-3670.	3.3	28
34	Merging polyacenes and cationic helicenes: from weak to intense chiroptical properties in the far red region. <i>Chemical Science</i> , 2020, 11, 1165-1169.	7.4	28
35	A Ratiometric Luminescent Switch Based on Platinum Complexes Tethered to a Crown-Ether Scaffold. <i>ChemPhysChem</i> , 2016, 17, 1829-1834.	2.1	27
36	Enantiospecific Elongation of Cationic Helicenes by Electrophilic Functionalization at Terminal Ends. <i>Chemistry - A European Journal</i> , 2017, 23, 13596-13601.	3.3	27

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37	Cooperative loading of multisite receptors with lanthanide containers: an approach for organized luminescent metallopolymers. <i>Chemical Science</i> , 2018, 9, 325-335.	7.4	27
38	Medium-Sized Rings versus Macrocycles through Rhodium-Catalyzed Ring-Expansion Reactions of Cyclic Acetals. <i>Chemistry - A European Journal</i> , 2012, 18, 6626-6631.	3.3	26
39	Modular Synthesis of pH-Sensitive Fluorescent Diaza[4]helicenes. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 6431-6438.	2.4	26
40	Remote stereoselective deconjugation of α,β -unsaturated esters by simple amidation reactions. <i>Chemical Science</i> , 2015, 6, 4923-4928.	7.4	25
41	One-Pot Multi-Component Synthesis and Solid State Structures of Functionally Rich Polyether Macrocycles. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 3161-3169.	4.3	24
42	Luminescent polypyridyl heteroleptic Cr(III) complexes with high quantum yields and long excited state lifetimes. <i>Dalton Transactions</i> , 2020, 49, 13528-13532.	3.3	24
43	Chiral Near-Infrared Fluorophores by Self-Promoted Oxidative Coupling of Cationic Helicenes with Amines/Enamines. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 8733-8738.	13.8	24
44	The influence of the sample dispersion on a solid surface in the thermal spin transition of [Fe(pz)Pt(CN) ₄] nanoparticles. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 12493-12502.	2.8	22
45	Looking for the Origin of Allosteric Cooperativity in Metallopolymers. <i>Chemistry - A European Journal</i> , 2016, 22, 8113-8123.	3.3	21
46	Highly enantioselective isomerization of primary allylic alcohols catalyzed by (P,N)-iridium complexes. <i>Pure and Applied Chemistry</i> , 2010, 82, 1461-1469.	1.9	18
47	C-Functionalized Cationic Diazaoxatriangulenes: Late-Stage Synthesis and Tuning of Physicochemical Properties. <i>Chemistry - A European Journal</i> , 2018, 24, 10186-10195.	3.3	18
48	Monitoring Fe(II) Spin-State Equilibria via Eu(III) Luminescence in Molecular Complexes: Dream or Reality?. <i>Inorganic Chemistry</i> , 2020, 59, 1091-1103.	4.0	18
49	Efficient Synthesis of Ditopic Polyamide Receptors for Cooperative Ion Pair Recognition in Solution and Solid States. <i>Chemistry - A European Journal</i> , 2018, 24, 2944-2951.	3.3	17
50	Regiodivergent synthesis of pyrazino-indolines <i>vs.</i> triazocines <i>via</i> α -imino carbenes addition to imidazolidines. <i>Chemical Science</i> , 2021, 12, 1479-1485.	7.4	17
51	Neutral Heteroleptic Lanthanide Complexes for Unravelling Host-Guest Assemblies in Organic Solvents: The Law of Mass Action Revisited. <i>Inorganic Chemistry</i> , 2020, 59, 62-75.	4.0	16
52	Molecular light-upconversion: we have had a problem! When excited state absorption (ESA) overcomes energy transfer upconversion (ETU) in Cr(III)/Er(III) complexes. <i>Dalton Transactions</i> , 2021, 50, 7955-7968.	3.3	16
53	Chiral N-Heterocyclic Carbene Borane Complexes: Synthesis and Structural Analysis. <i>Organometallics</i> , 2012, 31, 709-715.	2.3	15
54	A Polyaromatic Terdentate Binding Unit with Fused 5,6-Membered Chelates for Complexing s-, p-, d-, and f-Block Cations. <i>Inorganic Chemistry</i> , 2013, 52, 5570-5580.	4.0	14

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55	An octahedral aluminium(III) complex as a three-fold node for supramolecular heterometallic self-assemblies: solution and solid state chemistry. <i>RSC Advances</i> , 2014, 4, 16686-16693.	3.6	14
56	Evidencing size-dependent cooperative effects on spin crossover nanoparticles following their HS \rightarrow LS relaxation. <i>Journal of Materials Chemistry C</i> , 2018, 6, 12698-12706.	5.5	14
57	Bright Long-Lived Circularly Polarized Luminescence in Chiral Chromium(III) Complexes. <i>Angewandte Chemie</i> , 2021, 133, 10183-10190.	2.0	14
58	A near-infrared emitting MOF: controlled encapsulation of a fluorescein sensitizer at the time of crystal growth. <i>Chemical Communications</i> , 2021, 57, 3351-3354.	4.1	14
59	Pnictogen-Centered Cascade Exchangers for Thiol-Mediated Uptake: As(III)-, Sb(III)-, and Bi(III)-Expanded Cyclic Disulfides as Inhibitors of Cytosolic Delivery and Viral Entry. <i>JACS</i> , 2022, 2, 1105-1114.	7.9	14
60	Enantioselective Synthesis of Tetranuclear Quadruple Helicates. <i>Inorganic Chemistry</i> , 2012, 51, 8667-8669.	4.0	13
61	Deciphering the Influence of Meridional versus Facial Isomers in Spin Crossover Complexes. <i>Chemistry - A European Journal</i> , 2018, 24, 16873-16888.	3.3	13
62	Stereochemical significance of O to N atom interchanges within cationic helicenes: experimental and computational evidence of near racemization to remarkable enantiospecificity. <i>Chemical Science</i> , 2019, 10, 7059-7067.	7.4	13
63	One-Step Synthesis of Diaza Macrocycles by Rh(II)-Catalyzed [3 + 6 + 3 + 6] Condensations of Morpholines and α -Diazo- β -ketoesters. <i>Organic Letters</i> , 2019, 21, 687-691.	4.6	13
64	Access to Optically Active 7-Membered Rings by a 2-Step Synthetic Sequence: Cu-Catalyzed Stereoselective Cyclopropanation of Branched 1,3-Dienes/Rh-Catalyzed Stereoconvergent [5 + 2] Cycloaddition. <i>ACS Catalysis</i> , 2020, 10, 9604-9611.	11.2	13
65	Thiolato Protected Copper Sulfide Cluster with the Tentative Composition Cu ₇₄ S ₁₅ (2-PET) ₄₅ . <i>Inorganic Chemistry</i> , 2020, 59, 2200-2208.	4.0	13
66	Determination of the molecular structure of the short-lived light-induced high-spin state in the spin-crossover compound [Fe(6-mepy) ₃ (PF ₆) ₃](PF ₆) ₃ . <i>Inorganic Chemistry</i> , 2020, 59, 2200-2208.	4.0	13
67	Anion π -Catalysis of Diels-Alder Reactions. <i>Angewandte Chemie</i> , 2017, 129, 13246-13249.	2.0	12
68	Near-infrared electrochemiluminescence in water through regioselective sulfonation of diaza [4] and [6]helicene dyes. <i>Chemical Communications</i> , 2020, 56, 9771-9774.	4.1	11
69	Synthesis, Resolution, Configurational Stability, and Properties of Cationic Functionalized [5]Helicenes. <i>Journal of Organic Chemistry</i> , 2020, 85, 11908-11923.	3.2	11
70	Synthesis and properties of chiral fluorescent helicene-BODIPY conjugates. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 7677-7684.	2.8	10
71	Chiral Near-Infrared Fluorophores by Self-Promoted Oxidative Coupling of Cationic Helicenes with Amines/Enamines. <i>Angewandte Chemie</i> , 2021, 133, 8815-8820.	2.0	10
72	Thermodynamic N-Donor trans Influence in Labile Pseudo-Octahedral Zinc Complexes: A Delusion?. <i>Inorganic Chemistry</i> , 2014, 53, 13093-13104.	4.0	9

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73	Access to Chiral Rigid Hemicyanine Fluorophores from Trispyridyl Bases and π -Imino Carbenes. <i>Organic Letters</i> , 2020, 22, 7599-7603.	4.6	9
74	Tuning spin-crossover transition temperatures in non-symmetrical homoleptic meridional/faceal [Fe(didentate) ₃] ²⁺ complexes: what for and who cares about it?. <i>Dalton Transactions</i> , 2021, 50, 1206-1223.	3.3	9
75	Bottom-Up Approach for the Rational Loading of Linear Oligomers and Polymers with Lanthanides. <i>Inorganic Chemistry</i> , 2021, 60, 15529-15542.	4.0	9
76	Key Strategy for the Rational Incorporation of Long-Lived NIR Emissive Cr(III) Chromophores into Polymetallic Architectures. <i>Inorganic Chemistry</i> , 2020, 59, 1424-1435.	4.0	8
77	[<i>n</i>]Dendralenes as a Platform for Selective Catalysis: Ligand-Controlled Cu-Catalyzed Chemo-, Regio-, and Enantioselective Borylations. <i>Organic Letters</i> , 2020, 22, 8181-8187.	4.6	8
78	Enabling Cyclization Strategies through Carbonyl-Ylide-Mediated Synthesis of Malonate Enol Ethers. <i>ACS Organic & Inorganic Au</i> , 0, , .	4.0	8
79	Heteroleptic <i>mer</i> -[Cr(N ⁺)(N ⁺)(CN) ₃] complexes: synthetic challenge, structural characterization and photophysical properties. <i>Dalton Transactions</i> , 2022, 51, 4297-4309.	3.3	8
80	Optical microscopy imaging of the thermally-induced spin transition and isothermal multi-stepped relaxation in a low-spin stabilized spin-crossover material. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 982-994.	2.8	7
81	Helicity inversion and redox chemistry of chiral manganese(<i>scp</i>) cubanes. <i>Dalton Transactions</i> , 2014, 43, 12917-12925.	3.3	6
82	Dinuclear Complexes Formed by Hydrogen Bonds: Synthesis, Structure and Magnetic and Electrochemical Properties. <i>Chemistry - A European Journal</i> , 2017, 23, 7104-7112.	3.3	5
83	Acetylene Derivatives of Cationic Diazaoxatriangulenes and Diaza [4]Helicenes \rightarrow Access to Red Emitters and Planar Chiral Stereochemical Traits. <i>Chemistry - A European Journal</i> , 2022, , .	3.3	5
84	Nickel-Catalyzed Kumada Vinylation of Enol Phosphates: A Comparative Mechanistic Study. <i>ACS Catalysis</i> , 2021, 11, 15041-15050.	11.2	4
85	Unusual solidification and phosphate binding to benzimidazole cations in the presence of water. <i>New Journal of Chemistry</i> , 2012, 36, 823.	2.8	2
86	Enolate Stabilization by Anion- π Interactions: Deuterium Exchange in Malonate Dilactones on π -Acidic Surfaces. <i>Chemistry - A European Journal</i> , 2016, 22, 2545-2545.	3.3	2
87	Coordination Chemistry of the Chiral, Facially Coordinating Tridentate Ligand 1,2-Bis(benzimidazol-2-yl)ethanol with 3d Transition Metals. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 4181-4189.	2.0	2
88	The Tyranny of Arm-Wrestling Methyls on Iron(II) Spin State in Pseudo-Octahedral [Fe(didentate) ₃] Complexes. <i>Chemistry</i> , 2020, 2, 231-252.	2.2	2
89	$\frac{1}{4}$ Bright Long-Lived Circularly Polarized Luminescence in Chiral Chromium(III) Complexes (<i>Angew. Chem.</i> 18/2021). <i>Angewandte Chemie</i> , 2021, 133, 10524-10524.	2.0	0
90	Crystal growth and structure of a high temperature polymorph of Sr ₂ TiO ₄ with tetrahedral Ti-coordination, and transition to the Ruddlesden-Popper tetragonal phase. <i>CrystEngComm</i> , 0, , .	2.6	0