

Florian Jaroschik

List of Publications by Year in descending order

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49
papers

1,756
citations

394421

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times ranked

1593
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#	ARTICLE	IF	CITATIONS
1	Picking One out of Three: Selective Single C–F Activation in Trifluoromethyl Groups. <i>Chemistry - A European Journal</i> , 2018, 24, 14572-14582.	3.3	137
2	New mono- and bis-carbene samarium complexes: synthesis, X-ray crystal structures and reactivity. <i>Chemical Communications</i> , 2005, , 5178.	4.1	130
3	Recent Advances in the Chemistry of Pentafulvenes. <i>Chemical Reviews</i> , 2017, 117, 3930-3989.	47.7	116
4	Dinitrogen Reduction and C–H Activation by the Divalent Organoneodymium Complex $[(C_5H_2)_2H_2 \cdot t\text{-}Bu)_2 Nd(18\text{-crown-6})]$. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 1117-1121.	16.8	110
5	Thulium Alkylidene Complexes: Synthesis, X-ray Structures, and Reactivity. <i>Organometallics</i> , 2006, 25, 1329-1332.	2.3	101
6	Isolation of Stable Organodysprosium(II) Complexes by Chemical Reduction of Dysprosium(III) Precursors. <i>Organometallics</i> , 2007, 26, 1123-1125.	2.3	100
7	Tracking gold acetylides in gold(i)-catalyzed cycloisomerization reactions of enynes. <i>Chemical Science</i> , 2011, 2, 2417.	7.4	97
8	Synthesis and Reactivity of Organometallic Complexes of Divalent Thulium with Cyclopentadienyl and Phospholyl Ligands. <i>Organometallics</i> , 2007, 26, 3552-3558.	2.3	87
9	Synthesis, Characterization, and Reactivity of Mono(phospholyl)lanthanoid(III) Bis(dimethylaminobenzyl) Complexes. <i>Organometallics</i> , 2007, 26, 5654-5660.	2.3	85
10	Synthesis and Application of Phosphorus Dendrimer Immobilized Azabis(oxazolines). <i>Organic Letters</i> , 2007, 9, 2895-2898.	4.6	84
11	Divalent Tetra- and Penta-phenylcyclopentadienyl Europium and Samarium Sandwich and Half-Sandwich Complexes: Synthesis, Characterization, and Remarkable Luminescence Properties. <i>Organometallics</i> , 2015, 34, 5624-5636.	2.3	77
12	Accessing Decaphenylmetallocenes of Ytterbium, Calcium, and Barium by Desolvation of Solvent-Separated Ion Pairs: Overcoming Adverse Solubility Properties. <i>Organometallics</i> , 2008, 27, 4772-4778.	2.3	72
13	Assessing Ligand and Counterion Effects in the Noble Metal Catalyzed Cycloisomerization Reactions of 1,6-Allenynes: a Combined Experimental and Theoretical Approach. <i>ACS Catalysis</i> , 2016, 6, 5146-5160.	11.2	50
14	Synthesis of a new stable, neutral organothulium(ii) complex by reduction of a thulium(iii) precursor. <i>Chemical Communications</i> , 2006, , 426-428.	4.1	47
15	Mono-phosphacyclopentadienyl bis(tetramethylaluminate) lanthanide complexes. <i>Dalton Transactions</i> , 2007, , 4866.	3.3	45
16	Synthesis of samarium(ii) borohydrides and their behaviour as initiators in styrene and $\hat{\mu}$ -caprolactone polymerisation. <i>Dalton Transactions</i> , 2010, 39, 6761.	3.3	36
17	Lanthanides and actinides: Annual survey of their organometallic chemistry covering the year 2018. <i>Coordination Chemistry Reviews</i> , 2019, 398, 113005.	18.8	29
18	Bulky Group 2 Octaphenylmetallocenes and Direct Access to Calcium and Ytterbium Pseudo-Grignard Complexes. <i>Organometallics</i> , 2015, 34, 2369-2377.	2.3	22

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19	Generation of μ_2 -difluorinated Metal-Pentadienyl Species through Lanthanide-Mediated C-F Activation. Chemistry - A European Journal, 2017, 23, 16460-16465.	3.3	21
20	Lanthanides and actinides: Annual survey of their organometallic chemistry covering the year 2019. Coordination Chemistry Reviews, 2021, 437, 213830.	18.8	21
21	Synthesis and characterisation of alkaline earth bis(diphenylphosphano)metallocene complexes and heterobimetallic alkaline earth metal/platinum(η^5) complexes [Ae(thf) η^5 (η^5 -C η^5 H η^4 PPh $_2$) $_2$ Pt(Me) $_2$] (Ae = Ca, Sr, Ba). Dalton Transactions, 2012, 41, 267-277.	3.3	20
22	Reactivity differences between 2,4- and 2,5-disubstituted zirconacyclopentadienes: a highly selective and general approach to 2,4-disubstituted phospholes. Dalton Transactions, 2013, 42, 10997.	3.3	20
23	Aerobic and Ligand-Free Manganese-Catalyzed Homocoupling of Arenes or Aryl Halides via in Situ Formation of Aryllithiums. Journal of Organic Chemistry, 2019, 84, 4413-4420.	3.2	19
24	Synthesis and Characterization of 1,1-diphosphalumbocenes: Oxidative Ligand Transfer Reactions with Divalent Thulium Complexes. Organometallics, 2016, 35, 2032-2038.	2.3	17
25	Sterically hindered cyclopentadienyl and phospholyl ligands in dysprosium chemistry. Polyhedron, 2009, 28, 2744-2748.	2.2	16
26	Titanium-Catalyzed Hydroalumination of Conjugated Dienes: Access to Fulvene-Derived Allylaluminium Reagents and Their Diastereoselective Reactions with Carbonyl Compounds. Chemistry - A European Journal, 2014, 20, 5433-5438.	3.3	15
27	Fullerene matrices in the MALDI-TOF mass spectroscopic characterisation of organometallic compounds. Journal of Organometallic Chemistry, 2014, 751, 482-492.	1.8	14
28	Carbosilane Metallodendrimers with Titanocene Dichloride End Groups. Organometallics, 2012, 31, 6779-6786.	2.3	13
29	Synthesis, Characterization and Reactivity of Formal 20 Electron Zirconocene-Pentafulvene Complexes. Organometallics, 2017, 36, 2004-2013.	2.3	12
30	Lewis Acid Catalyzed Regioselective Hydroheteroarylation of Pentafulvenes. Organic Letters, 2016, 18, 964-967.	4.6	11
31	Pentafulvene-derived η^3 -allyltitanocenes as intermediates for the stereoselective functionalization of 5-membered carbocycles. Chemical Communications, 2013, 49, 4549.	4.1	9
32	Tuning the Regioselective Functionalization of Trifluoromethylated Dienes via Lanthanum-Mediated Single C-F Bond Activation. Chemistry - A European Journal, 2021, 27, 4016-4021.	3.3	9
33	Recent Applications of Rare Earth Complexes in Photoredox Catalysis for Organic Synthesis. Current Organic Chemistry, 2022, 26, 6-41.	1.6	9
34	Organic Synthesis with Elemental Lanthanides – Going Beyond Samarium and Ytterbium. European Journal of Organic Chemistry, 2022, 2022, .	2.4	9
35	Zirconocenes vs. Alanes: a Crucial Choice of the Allyl Source for Highly Diastereoselective Allylzincation of Nonracemic Chiral Imines. European Journal of Organic Chemistry, 2016, 2016, 2319-2327.	2.4	8
36	Titanium and Zirconium Hydride-Catalyzed Regioselective Isomerization of 1,4-Dihydrofulvenes: Access to 1-Substituted 1,2-Dihydrofulvenes. Organic Letters, 2015, 17, 6202-6205.	4.6	7

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37	Lewis Acid Catalyzed Three-Component [3+2] Cycloaddition Reaction Using Pentafulvene as 2 nd Component: An Easy Way to Construct Pentaleno(1,2-b)indoles. <i>Synlett</i> , 2017, 28, 951-956.	1.8	7
38	Titanocene dichloride complexes bonded to carbosilane dendrimers via a spacer of variable length – Molecular dynamics calculations and catalysis of allylic coupling reactions. <i>Inorganica Chimica Acta</i> , 2014, 409, 137-146.	2.4	6
39	Lewis acid catalyzed C-3 alkylidenecyclopentenylations of indoles: an easy access to functionalized indoles and bisindoles. <i>RSC Advances</i> , 2015, 5, 38075-38084.	3.6	6
40	Cyclopent-2-enylaluminum as allylzinc precursor for the diastereoselective allylmethylation of non-racemic imines: applications to the synthesis of enantiomerically enriched heterocycles. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 69-73.	2.8	6
41	Single or Synergistic Kinetic Resolutions of Chiral Allylalanines: Two Complementary Routes for the Asymmetric Synthesis of <i>Syn</i> Homoallylamines. <i>Organic Letters</i> , 2017, 19, 6728-6731.	4.6	6
42	Diastereoselective Synthesis of Axially Chiral Xylose-Derived 1,3-Disubstituted Alkoxyallenes: Scope, Structure, and Mechanism. <i>Journal of Organic Chemistry</i> , 2020, 85, 10681-10694.	3.2	6
43	Photoinduced Halogen-Atom Transfer: Generation of Halide Radicals for Selective Hydrohalogenation Reactions. <i>Chemistry - A European Journal</i> , 2022, 28, .	3.3	6
44	Selective carbon-phosphorus bond cleavage: expanding the toolbox for accessing bulky divalent lanthanoid sandwich complexes. <i>Chemical Communications</i> , 2022, 58, 4344-4347.	4.1	4
45	(+)-Camphor-mediated kinetic resolution of allylalanines: a strategy towards enantio-enriched cyclohex-2-en-1-ylalanine. <i>Chemical Communications</i> , 2017, 53, 111-114.	4.1	3
46	Lewis Acid Promoted Regioselective Double Hydro(hetero)arylation of 6,6-Dialkyl-Substituted Pentafulvenes: A Facile Approach to Bisindole Derivatives. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 4469-4474.	2.4	1
47	[σ^4+2] versus [σ^2+2] Homodimerization in P(V) Derivatives of 2,4-Disubstituted Phospholes. <i>Heteroatom Chemistry</i> , 2019, 2019, 1-10.	0.7	1
48	Frontispiece: Picking One out of Three: Selective Single C ^{sp} F Activation in Trifluoromethyl Groups. <i>Chemistry - A European Journal</i> , 2018, 24, .	3.3	0
49	Application of Elemental Lanthanides in the Selective C-F Activation of Trifluoromethylated Benzofulvenes Providing Access to Various Difluoroalkenes. <i>Journal of Visualized Experiments</i> , 2018, , .	0.3	0