

Xavier Bantreil

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

64

papers

1,820

citations

28

h-index

40

g-index

85

ext. papers

2,085

ext. citations

5.8

avg, IF

4.85

L-index

#	Paper	IF	Citations
64	Synthesis of N-heterocyclic carbene ligands and derived ruthenium olefin metathesis catalysts. <i>Nature Protocols</i> , 2011 , 6, 69-77	18.8	134
63	Poly(ethylene glycol) as reaction medium for mild Mizoroki-Heck reaction in a ball-mill. <i>Chemical Communications</i> , 2012 , 48, 11778-80	5.8	79
62	Mixed N-heterocyclic carbene/phosphite ruthenium complexes: towards a new generation of olefin metathesis catalysts. <i>Chemical Communications</i> , 2010 , 46, 7115-7	5.8	77
61	Aryl sulfoxides from allyl sulfoxides via [2,3]-sigmatropic rearrangement and domino Pd-catalyzed generation/arylation of sulfenate anions. <i>Organic Letters</i> , 2010 , 12, 320-3	6.2	61
60	N-Heterocyclic carbene containing complexes in catalysis. <i>Annual Reports on the Progress of Chemistry Section B</i> , 2009 , 105, 232		60
59	Cage-like copper(II) silsesquioxanes: transmetalation reactions and structural, quantum chemical, and catalytic studies. <i>Chemistry - A European Journal</i> , 2015 , 21, 8758-70	4.8	59
58	Backbone tuning in indenylidene-ruthenium complexes bearing an unsaturated N-heterocyclic carbene. <i>Beilstein Journal of Organic Chemistry</i> , 2010 , 6, 1120-6	2.5	57
57	Synthesis and characterization of IPr(Me)-containing silver(I), gold(I) and gold(III) complexes. <i>Dalton Transactions</i> , 2009 , 6967-71	4.3	55
56	Alternative Technologies That Facilitate Access to Discrete Metal Complexes. <i>Chemical Reviews</i> , 2019 , 119, 7529-7609	68.1	54
55	Copper-Catalyzed Direct Synthesis of Benzamides from Alcohols and Amines. <i>ChemCatChem</i> , 2012 , 4, 1922-1925	5.2	53
54	Olefin metathesis featuring ruthenium indenylidene complexes with a sterically demanding NHC ligand. <i>Chemistry - A European Journal</i> , 2011 , 17, 5045-53	4.8	53
53	Synthesis and Reactivity of Ruthenium Phosphite Indenylidene Complexes. <i>Organometallics</i> , 2012 , 31, 7415-7426	3.8	52
52	Cu(0), O and mechanical forces: a saving combination for efficient production of Cu-NHC complexes. <i>Chemical Science</i> , 2017 , 8, 1086-1089	9.4	49
51	A heterometallic (Fe ₆ Na ₈) cage-like silsesquioxane: synthesis, structure, spin glass behavior and high catalytic activity. <i>RSC Advances</i> , 2016 , 6, 48165-48180	3.7	48
50	Ruthenium-Indenylidene Complexes: Scope in Cross-Metathesis Transformations. <i>Advanced Synthesis and Catalysis</i> , 2008 , 350, 2959-2966	5.6	44
49	Phosphine-Triggered Selectivity Switch in Silver-Catalyzed o-Alkynylbenzohydroxamic Acid Cycloisomerizations. <i>Organic Letters</i> , 2016 , 18, 4814-4817	6.2	44
48	Ruthenium Complexes Bearing Two N-Heterocyclic Carbene Ligands in Low Catalyst Loading Olefin Metathesis Reactions. <i>Organometallics</i> , 2010 , 29, 3007-3011	3.8	43

47	Phosphites as ligands in ruthenium-benzylidene catalysts for olefin metathesis. <i>Chemical Communications</i> , 2011 , 47, 7060-2	5.8	43
46	Novel 1H-Pyrrolo[3,2-c]quinoline Based 5-HT ₆ Receptor Antagonists with Potential Application for the Treatment of Cognitive Disorders Associated with Alzheimer's Disease. <i>ACS Chemical Neuroscience</i> , 2016 , 7, 972-83	5.7	42
45	Comprehensive study on olefin metathesis in PEG as an alternative solvent under microwave irradiation. <i>Journal of Catalysis</i> , 2012 , 294, 113-118	7.3	35
44	Iron-catalyzed benzamide formation. Application to the synthesis of moclobemide. <i>Tetrahedron</i> , 2014 , 70, 5093-5099	2.4	33
43	Expedient Mechanochemistry of N,N-Dialkyl Imidazoliums and Silver(I)-Carbene Complexes in a Ball-Mill. <i>Chemistry - A European Journal</i> , 2015 , 21, 17614-7	4.8	33
42	β and δ Lactams through palladium-catalyzed intramolecular allylic alkylation: enantioselective synthesis, NMR Investigation, and DFT rationalization. <i>Chemistry - A European Journal</i> , 2011 , 17, 2885-96	4.8	33
41	High Catalytic Activity of Heterometallic (Fe ₆ Na ₇ and Fe ₆ Na ₆) Cage Silsesquioxanes in Oxidations with Peroxides. <i>Catalysts</i> , 2017 , 7, 101	4	32
40	Cage-like Fe ₆ Na ₆ -Germesquioxanes: Structure, Magnetism, and Catalytic Activity. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 15360-15363	16.4	31
39	Mixed N-Heterocyclic Carbene/Phosphite Ruthenium Complexes: The Effect of a Bulkier NHC.. <i>Organometallics</i> , 2013 , 32, 6240-6247	3.8	28
38	SiCuN Cage Hexacoppersilsesquioxanes Containing N Ligands: Synthesis, Structure, and High Catalytic Activity in Peroxide Oxidations. <i>Inorganic Chemistry</i> , 2017 , 56, 15026-15040	5.1	28
37	High-Cluster (Cu) Cage Silsesquioxanes: Synthesis, Structure, and Catalytic Activity. <i>Inorganic Chemistry</i> , 2018 , 57, 11524-11529	5.1	28
36	Mechanochemistry for facilitated access to N,N-diaryl NHC metal complexes. <i>New Journal of Chemistry</i> , 2017 , 41, 1057-1063	3.6	27
35	Ionic Complexes of Tetra- and Nonanuclear Cage Copper(II) Phenylsilsesquioxanes: Synthesis and High Activity in Oxidative Catalysis. <i>ChemCatChem</i> , 2017 , 9, 4437-4447	5.2	27
34	Synthesis and post-synthetic modification of UiO-67 type metal-organic frameworks by mechanochemistry. <i>Materials Letters</i> , 2017 , 197, 171-174	3.3	26
33	Unraveling the synthesis of homoleptic [Ag(N,N-diaryl-NHC)] _Y (Y = BF, PF) complexes by ball-milling. <i>Dalton Transactions</i> , 2016 , 45, 17859-17866	4.3	22
32	Heptanuclear FeCu-Phenylgermesquioxane containing 2,2'FBipyridine: Synthesis, Structure, and Catalytic Activity in Oxidation of C-H Compounds. <i>Inorganic Chemistry</i> , 2018 , 57, 528-534	5.1	21
31	Continuous flow ring-closing metathesis, an environmentally-friendly route to 2,5-dihydro-1H-pyrrole-3-carboxylates. <i>Green Chemistry</i> , 2017 , 19, 1647-1652	10	19
30	Synthesis and reactivity of furoquinolines bearing an external methylene-bond: access to reduced and spirocyclic structures. <i>Organic and Biomolecular Chemistry</i> , 2011 , 9, 4831-41	3.9	19

29	Highly Active [Pd(ECl)Cl(NHC)] ₂ Complexes in the Mizoroki-Hick Reaction. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 2007-2010	2.3	18
28	Iron/Caffeine as a Catalytic System for Microwave-Promoted Benzamide Formation. <i>European Journal of Organic Chemistry</i> , 2015 , 2015, 417-422	3.2	17
27	Hexacoppergermsesquioxanes as complexes with N-ligands: Synthesis, structure and catalytic properties. <i>Journal of Organometallic Chemistry</i> , 2019 , 884, 17-28	2.3	16
26	A ³ -Coupling Reaction and [Ag(IPr) ₂]PF ₆ : A Successful Couple. <i>European Journal of Organic Chemistry</i> , 2017 , 2017, 4642-4647	3.2	16
25	Palladium-catalyzed intramolecular allylic alkylation of β -sulfinyl carbanions: a new asymmetric route to enantiopure β -lactams. <i>Tetrahedron Letters</i> , 2010 , 51, 1459-1461	2	16
24	Dual 5-HT and D Receptor Antagonists in a Group of 1-Pyrrolo[3,2-]quinolines with Neuroprotective and Procognitive Activity. <i>ACS Chemical Neuroscience</i> , 2019 , 10, 3183-3196	5.7	15
23	A more sustainable and efficient access to IMes[HCl] and IPr[HCl] by ball-milling. <i>Green Chemistry</i> , 2018 , 20, 964-968	10	15
22	Phosphite ligands in Ru-based olefin metathesis catalysts. <i>Monatshefte für Chemie</i> , 2015 , 146, 1043-1052	1.4	14
21	Straightforward Ball-Milling Access to Dinucleoside 5'-5' Polyphosphates via Phosphorimidazolidone Intermediates. <i>Chemistry - A European Journal</i> , 2019 , 25, 2477-2481	4.8	14
20	Mechanosynthesis of Noels-type NHC Ruthenium Complexes and Applications in Ring-Opening Metathesis Polymerization. <i>Organometallics</i> , 2020 , 39, 636-639	3.8	13
19	A new "bicycle helmet"-like copper(ii),sodiumphenylsilsesquioxane. Synthesis, structure and catalytic activity. <i>Dalton Transactions</i> , 2018 , 47, 15666-15669	4.3	13
18	Sustainable Synthesis of a Potent and Selective 5-HT Receptor Antagonist Using a Mechanochemical Approach. <i>Journal of Organic Chemistry</i> , 2020 , 85, 10958-10965	4.2	12
17	Mechanosynthesis of sydnone-containing coordination complexes. <i>Chemical Communications</i> , 2019 , 55, 9495-9498	5.8	11
16	Cu ₄ Ge ₂₄ Na ₄ Giant Trimetallic Sesquioxane Cage: Synthesis, Structure, and Catalytic Activity. <i>Catalysts</i> , 2018 , 8, 484	4	11
15	Application of the ring-closing metathesis to the formation of 2-aryl-1H-pyrrole-3-carboxylates as building blocks for biologically active compounds. <i>Tetrahedron</i> , 2016 , 72, 7462-7469	2.4	10
14	mTOR activation by constitutively active serotonin ₆ receptors as new paradigm in neuropathic pain and its treatment. <i>Progress in Neurobiology</i> , 2020 , 193, 101846	10.9	9
13	Synthesis, characterisation and cytotoxic activity evaluation of new metal-salen complexes based on the 1,2-bicyclo[2.2.2]octane bridge. <i>Tetrahedron Letters</i> , 2021 , 63, 152706	2	9
12	Solving the challenging synthesis of highly cytotoxic silver complexes bearing sterically hindered NHC ligands with mechanochemistry. <i>Dalton Transactions</i> , 2020 , 49, 12592-12598	4.3	8

11	Coordination complexes involving sydnones as ligands. <i>Dalton Transactions</i> , 2019 , 48, 15753-15761	4.3	8
10	Expedient synthesis of NO _x -Heterocyclic Carbenes (NOHC) ligands and metal complexes using mechanochemistry. <i>Journal of Organometallic Chemistry</i> , 2021 , 949, 121914	2.3	5
9	Sustainable Mechanochemistry of Biologically Active Molecules. <i>European Journal of Organic Chemistry</i> ,	3.2	4
8	Enantioselective β -Lactam Synthesis via Palladium-Catalyzed Intramolecular Asymmetric Allylic Alkylation. <i>Synlett</i> , 2009 , 2009, 1441-1444	2.2	3
7	2-Phenyl-1-pyrrole-3-carboxamide as a New Scaffold for Developing 5-HT Receptor Inverse Agonists with Cognition-Enhancing Activity. <i>ACS Chemical Neuroscience</i> , 2021 , 12, 1228-1240	5.7	3
6	Structure-Based Design and Optimization of FPPQ, a Dual-Acting 5-HT and 5-HT Receptor Antagonist with Antipsychotic and Procognitive Properties. <i>Journal of Medicinal Chemistry</i> , 2021 , 64, 13279-13298	8.3	3
5	Green approaches for the synthesis of nucleotides, their conjugates and analogues. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2020 , 195, 930-931	1	2
4	Design, Sustainable Synthesis and Biological Evaluation of a Novel Dual α A/5-HT ₇ Receptor Antagonist with Antidepressant-Like Properties. <i>Molecules</i> , 2021 , 26,	4.8	2
3	Neuropathic pain-alleviating activity of novel 5-HT receptor inverse agonists derived from 2-aryl-1H-pyrrole-3-carboxamide. <i>Bioorganic Chemistry</i> , 2021 , 115, 105218	5.1	2
2	Cage-like Fe,N ₂ -Germesquioxanes: Structure, Magnetism, and Catalytic Activity. <i>Angewandte Chemie</i> , 2016 , 128, 15586-15589	3.6	1
1	Alternative synthetic approaches for nucleotides and derivatives. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 1-4	1	