Xavier Bantreil

List of Publications by Year in Descending Order

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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	2-Phenyl-1-pyrrole-3-carboxamide as a New Scaffold for Developing 5-HT Receptor Inverse Agonists with Cognition-Enhancing Activity. *ACS Chemical Neuroscience*, **2021**, 12, 1228-1240	5.7	3
63	Design, Sustainable Synthesis and Biological Evaluation of a Novel Dual 2A/5-HT7 Receptor Antagonist with Antidepressant-Like Properties. *Molecules*, **2021**, 26,	4.8	2
62	Synthesis, characterisation and cytotoxic activity evaluation of new metal-salen complexes based on the 1,2-bicyclo[2.2.2]octane bridge. *Tetrahedron Letters*, **2021**, 63, 152706	2	9
61	Expedient synthesis of NOxy-Heterocyclic Carbenes (NOHC) ligands and metal complexes using mechanochemistry. *Journal of Organometallic Chemistry*, **2021**, 949, 121914	2.3	5
60	Structure-Based Design and Optimization of FPPQ, a Dual-Acting 5-HT and 5-HT Receptor Antagonist with Antipsychotic and Procognitive Properties. *Journal of Medicinal Chemistry*, **2021**, 64, 13279-13298	8.3	3
59	Neuropathic pain-alleviating activity of novel 5-HT receptor inverse agonists derived from 2-aryl-1H-pyrrole-3-carboxamide. *Bioorganic Chemistry*, **2021**, 115, 105218	5.1	2
58	mTOR activation by constitutively active serotonin6 receptors as new paradigm in neuropathic pain and its treatment. *Progress in Neurobiology*, **2020**, 193, 101846	10.9	9
57	Mechanosynthesis of Noels-type NHC Ruthenium Complexes and Applications in Ring-Opening Metathesis Polymerization. *Organometallics*, **2020**, 39, 636-639	3.8	13
56	Sustainable Synthesis of a Potent and Selective 5-HT Receptor Antagonist Using a Mechanochemical Approach. *Journal of Organic Chemistry*, **2020**, 85, 10958-10965	4.2	12
55	Green approaches for the synthesis of nucleotides, their conjugates and analogues. *Phosphorus, Sulfur and Silicon and the Related Elements*, **2020**, 195, 930-931	1	2
54	Solving the challenging synthesis of highly cytotoxic silver complexes bearing sterically hindered NHC ligands with mechanochemistry. *Dalton Transactions*, **2020**, 49, 12592-12598	4.3	8
53	Hexacoppergermsesquioxanes as complexes with N-ligands: Synthesis, structure and catalytic properties. *Journal of Organometallic Chemistry*, **2019**, 884, 17-28	2.3	16
52	Alternative Technologies That Facilitate Access to Discrete Metal Complexes. *Chemical Reviews*, **2019**, 119, 7529-7609	68.1	54
51	Dual 5-HT and D Receptor Antagonists in a Group of 1-Pyrrolo[3,2-]quinolines with Neuroprotective and Procognitive Activity. *ACS Chemical Neuroscience*, **2019**, 10, 3183-3196	5.7	15
50	Mechanosynthesis of sydnone-containing coordination complexes. *Chemical Communications*, **2019**, 55, 9495-9498	5.8	11
49	Coordination complexes involving sydnones as ligands. *Dalton Transactions*, **2019**, 48, 15753-15761	4.3	8
48	Straightforward Ball-Milling Access to Dinucleoside 5′,5′-Polyphosphates via Phosphorimidazolide Intermediates. *Chemistry - A European Journal*, **2019**, 25, 2477-2481	4.8	14

47	A more sustainable and efficient access to IMes·HCl and IPr·HCl by ball-milling. *Green Chemistry*, **2018**, 20, 964-968	10	15
46	Heptanuclear FeCu-Phenylgermsesquioxane containing 2,2′-Bipyridine: Synthesis, Structure, and Catalytic Activity in Oxidation of C-H Compounds. *Inorganic Chemistry*, **2018**, 57, 528-534	5.1	21
45	A new "bicycle helmet"-like copper(ii),sodiumphenylsilsesquioxane. Synthesis, structure and catalytic activity. *Dalton Transactions*, **2018**, 47, 15666-15669	4.3	13
44	$Cu_{42}Ge_{24}Na_4$: A Giant Trimetallic Sesquioxane Cage: Synthesis, Structure, and Catalytic Activity. *Catalysts*, **2018**, 8, 484	4	11
43	High-Cluster (Cu) Cage Silsesquioxanes: Synthesis, Structure, and Catalytic Activity. *Inorganic Chemistry*, **2018**, 57, 11524-11529	5.1	28
42	Continuous flow ring-closing metathesis, an environmentally-friendly route to 2,5-dihydro-1H-pyrrole-3-carboxylates. *Green Chemistry*, **2017**, 19, 1647-1652	10	19
41	Synthesis and post-synthetic modification of UiO-67 type metal-organic frameworks by mechanochemistry. *Materials Letters*, **2017**, 197, 171-174	3.3	26
40	Mechanochemistry for facilitated access to N,N-diaryl NHC metal complexes. *New Journal of Chemistry*, **2017**, 41, 1057-1063	3.6	27
39	A3-Coupling Reaction and [Ag(IPr)2]PF6: A Successful Couple. *European Journal of Organic Chemistry*, **2017**, 2017, 4642-4647	3.2	16
38	Ionic Complexes of Tetra- and Nonanuclear Cage Copper(II) Phenylsilsesquioxanes: Synthesis and High Activity in Oxidative Catalysis. *ChemCatChem*, **2017**, 9, 4437-4447	5.2	27
37	SiCuN Cage Hexacoppersilsesquioxanes Containing N Ligands: Synthesis, Structure, and High Catalytic Activity in Peroxide Oxidations. *Inorganic Chemistry*, **2017**, 56, 15026-15040	5.1	28
36	Cu(0), O and mechanical forces: a saving combination for efficient production of Cu-NHC complexes. *Chemical Science*, **2017**, 8, 1086-1089	9.4	49
35	High Catalytic Activity of Heterometallic (Fe6Na7 and Fe6Na6) Cage Silsesquioxanes in Oxidations with Peroxides. *Catalysts*, **2017**, 7, 101	4	32
34	Unraveling the synthesis of homoleptic [Ag(N,N-diaryl-NHC)]Y (Y = BF, PF) complexes by ball-milling. *Dalton Transactions*, **2016**, 45, 17859-17866	4.3	22
33	Cage-like Fe,Na-Germsesquioxanes: Structure, Magnetism, and Catalytic Activity. *Angewandte Chemie - International Edition*, **2016**, 55, 15360-15363	16.4	31
32	Cage-like Fe,Na-Germsesquioxanes: Structure, Magnetism, and Catalytic Activity. *Angewandte Chemie*, **2016**, 128, 15586-15589	3.6	1
31	A heterometallic (Fe6Na8) cage-like silsesquioxane: synthesis, structure, spin glass behavior and high catalytic activity. *RSC Advances*, **2016**, 6, 48165-48180	3.7	48
30	Novel 1H-Pyrrolo[3,2-c]quinoline Based 5-HT6 Receptor Antagonists with Potential Application for the Treatment of Cognitive Disorders Associated with Alzheimer's Disease. *ACS Chemical Neuroscience*, **2016**, 7, 972-83	5.7	42

29	Phosphine-Triggered Selectivity Switch in Silver-Catalyzed o-Alkynylbenzohydroxamic Acid Cycloisomerizations. *Organic Letters*, **2016**, 18, 4814-4817	6.2	44
28	Application of the ring-closing metathesis to the formation of 2-aryl-1H-pyrrole-3-carboxylates as building blocks for biologically active compounds. *Tetrahedron*, **2016**, 72, 7462-7469	2.4	10
27	Phosphite ligands in Ru-based olefin metathesis catalysts. *Monatshefte F Chemie*, **2015**, 146, 1043-1052	1.4	14
26	Cage-like copper(II) silsesquioxanes: transmetalation reactions and structural, quantum chemical, and catalytic studies. *Chemistry - A European Journal*, **2015**, 21, 8758-70	4.8	59
25	Iron/Caffeine as a Catalytic System for Microwave-Promoted Benzamide Formation. *European Journal of Organic Chemistry*, **2015**, 2015, 417-422	3.2	17
24	Expedient Mechanosynthesis of N,N-Dialkyl Imidazoliums and Silver(I)-Carbene Complexes in a Ball-Mill. *Chemistry - A European Journal*, **2015**, 21, 17614-7	4.8	33
23	Iron-catalyzed benzamide formation. Application to the synthesis of moclobemide. *Tetrahedron*, **2014**, 70, 5093-5099	2.4	33
22	Mixed N-Heterocyclic Carbene/Phosphite Ruthenium Complexes: The Effect of a Bulkier NHC.. *Organometallics*, **2013**, 32, 6240-6247	3.8	28
21	Highly Active [Pd(Cl)Cl(NHC)]2 Complexes in the Mizoroki Heck Reaction. *European Journal of Inorganic Chemistry*, **2013**, 2013, 2007-2010	2.3	18
20	Comprehensive study on olefin metathesis in PEG as an alternative solvent under microwave irradiation. *Journal of Catalysis*, **2012**, 294, 113-118	7.3	35
19	Synthesis and Reactivity of Ruthenium Phosphite Indenylidene Complexes. *Organometallics*, **2012**, 31, 7415-7426	3.8	52
18	Poly(ethylene glycol) as reaction medium for mild Mizoroki-Heck reaction in a ball-mill. *Chemical Communications*, **2012**, 48, 11778-80	5.8	79
17	Copper-Catalyzed Direct Synthesis of Benzamides from Alcohols and Amines. *ChemCatChem*, **2012**, 4, 1922-1925	5.2	53
16	Synthesis and reactivity of furoquinolines bearing an external methylene-bond: access to reduced and spirocyclic structures. *Organic and Biomolecular Chemistry*, **2011**, 9, 4831-41	3.9	19
15	Synthesis of N-heterocyclic carbene ligands and derived ruthenium olefin metathesis catalysts. *Nature Protocols*, **2011**, 6, 69-77	18.8	134
14 and lactams through palladium-catalyzed intramolecular allylic alkylation: enantioselective synthesis, NMR Investigation, and DFT rationalization. *Chemistry - A European Journal*, **2011**, 17, 2885-96		4.8	33
13	Olefin metathesis featuring ruthenium indenylidene complexes with a sterically demanding NHC ligand. *Chemistry - A European Journal*, **2011**, 17, 5045-53	4.8	53
12	Phosphites as ligands in ruthenium-benzylidene catalysts for olefin metathesis. *Chemical Communications*, **2011**, 47, 7060-2	5.8	43

11	Backbone tuning in indenylidene-ruthenium complexes bearing an unsaturated N-heterocyclic carbene. *Beilstein Journal of Organic Chemistry*, **2010**, 6, 1120-6	2.5	57
10	Aryl sulfoxides from allyl sulfoxides via [2,3]-sigmatropic rearrangement and domino Pd-catalyzed generation/arylation of sulfenate anions. *Organic Letters*, **2010**, 12, 320-3	6.2	61
9	Ruthenium Complexes Bearing Two N-Heterocyclic Carbene Ligands in Low Catalyst Loading Olefin Metathesis Reactions. *Organometallics*, **2010**, 29, 3007-3011	3.8	43
8	Mixed N-heterocyclic carbene/phosphite ruthenium complexes: towards a new generation of olefin metathesis catalysts. *Chemical Communications*, **2010**, 46, 7115-7	5.8	77
7	Palladium-catalyzed intramolecular allylic alkylation of β-sulfinyl carbanions: a new asymmetric route to enantiopure β-lactams. *Tetrahedron Letters*, **2010**, 51, 1459-1461	2	16
6	Enantioselective β-Lactam Synthesis via Palladium-Catalyzed Intramolecular Asymmetric Allylic Alkylation. *Synlett*, **2009**, 2009, 1441-1444	2.2	3
5	N-Heterocyclic carbene containing complexes in catalysis. *Annual Reports on the Progress of Chemistry Section B*, **2009**, 105, 232		60
4	Synthesis and characterization of IPr(Me)-containing silver(I), gold(I) and gold(III) complexes. *Dalton Transactions*, **2009**, 6967-71	4.3	55
3	Ruthenium-Indenylidene Complexes: Scope in Cross-Metathesis Transformations. *Advanced Synthesis and Catalysis*, **2008**, 350, 2959-2966	5.6	44
2	Sustainable Mechanosynthesis of Biologically Active Molecules. *European Journal of Organic Chemistry*,	3.2	4
1	Alternative synthetic approaches for nucleotides and derivatives. *Phosphorus, Sulfur and Silicon and the Related Elements*,1-4	1	