

# Jiri Vaclavik

## List of Publications by Year in descending order

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24  
papers

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citations

516710

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31  
docs citations

31  
times ranked

821  
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#	ARTICLE	IF	CITATIONS
1	Advances in the Synthesis and Application of Tetrafluoroethylene- and 1,1,2,2-tetrafluoroethyl-containing Compounds. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 3554-3593.	2.4	31
2	Irreversible Cysteine-Selective Protein Labeling Employing Modular Electrophilic Tetrafluoroethylation Reagents. <i>Chemistry - A European Journal</i> , 2017, 23, 6490-6494.	3.3	37
3	Subnanometer Gold Clusters on Amino-Functionalized Silica: An Efficient Catalyst for the Synthesis of 1,3-Diynes by Oxidative Alkyne Coupling. <i>ACS Catalysis</i> , 2017, 7, 3414-3418.	11.2	40
4	Asymmetric Transfer Hydrogenation of 1-Aryl-3,4-dihydroisoquinolines Using a Cp*Ir(TsDPEN) Complex. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 5131-5134.	2.4	12
5	Synthesis and reactivity of aliphatic sulfur pentafluorides from substituted (pentafluorosulfonyl)benzenes. <i>Beilstein Journal of Organic Chemistry</i> , 2016, 12, 110-116.	2.2	11
6	Expanding the Scope of Hypervalent Iodine Reagents for Perfluoroalkylation: From Trifluoromethyl to Functionalized Perfluoroethyl. <i>Chemistry - A European Journal</i> , 2016, 22, 417-424.	3.3	73
7	Nucleophilic Tetrafluoroethylation Employing in Situ Formed Organomagnesium Reagents. <i>Organic Letters</i> , 2016, 18, 5844-5847.	4.6	32
8	Role of the sulfonamide moiety of Ru(II) half-sandwich complexes in the asymmetric transfer hydrogenation of 3,4-dihydroisoquinolines. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2016, 118, 215-222.	1.7	4
9	Synthesis of quaternary $\beta$ -perfluoroalkyl lactams via electrophilic perfluoroalkylation. <i>Chemical Communications</i> , 2016, 52, 4049-4052.	4.1	36
10	Enantioselective hydrogenation of cyclic imines catalysed by Noyori-Ikariya half-sandwich complexes and their analogues. <i>Chemical Communications</i> , 2016, 52, 362-365.	4.1	27
11	Nucleophilic tetrafluoroethylation of carbonyl compounds with fluorinated sulfones. <i>Journal of Fluorine Chemistry</i> , 2015, 169, 24-31.	1.7	11
12	The role of the aromatic ligand in the asymmetric transfer hydrogenation of the CN bond on Noyori's chiral Ru catalysts. <i>Tetrahedron: Asymmetry</i> , 2014, 25, 1346-1351.	1.8	10
13	Experimental and Theoretical Perspectives of the Noyori-Ikariya Asymmetric Transfer Hydrogenation of Imines. <i>Molecules</i> , 2014, 19, 6987-7007.	3.8	21
14	Two optimized synthetic pathways toward a chiral precursor of Mivacurium chloride and other skeletal muscle relaxants. <i>Tetrahedron: Asymmetry</i> , 2013, 24, 50-55.	1.8	12
15	Au <sup>I</sup> Catalysis on a Coordination Polymer: A Solid Porous Ligand with Free Phosphine Sites. <i>ChemCatChem</i> , 2013, 5, 692-696.	3.7	43
16	Molecular Structure Effects in the Asymmetric Transfer Hydrogenation of Functionalized Dihydroisoquinolines on (S,S)-[RuCl(1-6-p-cymene)TsDPEN]. <i>Catalysis Letters</i> , 2013, 143, 555-562.	2.6	11
17	Asymmetric transfer hydrogenation of imines catalyzed by a Noyori-type Ru(II) complex—a parametric study. <i>Tetrahedron: Asymmetry</i> , 2013, 24, 233-239.	1.8	22
18	Asymmetric transfer hydrogenation of 1-phenyl dihydroisoquinolines using Ru(II) diamine catalysts. <i>Catalysis Communications</i> , 2013, 36, 67-70.	3.3	22

#	ARTICLE	IF	CITATIONS
19	New insight into the role of a base in the mechanism of imine transfer hydrogenation on a Ru(ii) half-sandwich complex. Dalton Transactions, 2013, 42, 5174.	3.3	27
20	Practical Aspects and Mechanism of Asymmetric Hydrogenation with Chiral Half-Sandwich Complexes. Molecules, 2013, 18, 6804-6828.	3.8	49
21	Determination of Enantiomeric Composition of Substituted Tetrahydroisoquinolines Based on Derivatization with Menthyl Chloroformate. American Journal of Analytical Chemistry, 2013, 04, 125-133.	0.9	8
22	Asymmetric Transfer Hydrogenation of Acetophenone N-Benzylimine Using [RuII(Cl)((S,S)-TsDPEN)( <i>l</i> -6-p-cymene)]: A DFT Study. Organometallics, 2012, 31, 6496-6499.	2.3	19
23	Asymmetric Transfer Hydrogenation of Imines and Ketones Using Chiral RuII(Cl)( <i>l</i> -6-p-cymene)[(S,S)-N-TsDPEN] as a Catalyst: A Computational Study. Organometallics, 2011, 30, 4822-4829.	2.3	46
24	Opportunities Offered by Chiral <i>l</i> -6-Arene/N-Arylsulfonyl-diamine-RuII Catalysts in the Asymmetric Transfer Hydrogenation of Ketones and Imines. Molecules, 2011, 16, 5460-5495.	3.8	63