

Philip w Miller

List of Publications by Year in descending order

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51
papers

2,614
citations

236925

25
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182427

51
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58
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58
docs citations

58
times ranked

3205
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of ¹¹ C, ¹⁸ F, ¹⁵ O, and ¹³ N Radiolabels for Positron Emission Tomography. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 8998-9033.	13.8	805
2	Thermal Stability and Explosive Hazard Assessment of Diazo Compounds and Diazo Transfer Reagents. <i>Organic Process Research and Development</i> , 2020, 24, 67-84.	2.7	166
3	Homogeneous Catalyzed Reactions of Levulinic Acid: To Valerolactone and Beyond. <i>ChemSusChem</i> , 2016, 9, 2037-2047.	6.8	120
4	Rapid Multiphase Carbonylation Reactions by Using a Microtube Reactor: Applications in Positron Emission Tomography ¹¹ C-Radiolabeling. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 2875-2878.	13.8	114
5	Emerging porous materials in confined spaces: from chromatographic applications to flow chemistry. <i>Chemical Society Reviews</i> , 2019, 48, 2566-2595.	38.1	103
6	Catalytic Transformation of Levulinic Acid to 2-Methyltetrahydrofuran Using Ruthenium-N-Triphos Complexes. <i>ACS Catalysis</i> , 2015, 5, 2500-2512.	11.2	102
7	Rapid formation of amides via carbonylative coupling reactions using a microfluidic device. <i>Chemical Communications</i> , 2006, , 546-548.	4.1	83
8	Antibody Fragment and Affibody ImmunoPET Imaging Agents: Radiolabelling Strategies and Applications. <i>ChemMedChem</i> , 2018, 13, 2466-2478.	3.2	77
9	Transition metal mediated [¹¹ C]carbonylation reactions: recent advances and applications. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2014, 57, 195-201.	1.0	66
10	Rapid Carbon-11 Radiolabelling for PET Using Microfluidics. <i>Chemistry - A European Journal</i> , 2011, 17, 460-463.	3.3	65
11	Copper(i) scorpionate complexes and their application in palladium-mediated [¹¹ C]carbonylation reactions. <i>Chemical Communications</i> , 2009, , 3696.	4.1	64
12	A dynamic covalent imine gel as a luminescent sensor. <i>Chemical Communications</i> , 2014, 50, 11942-11945.	4.1	56
13	Facile Preparation of Drug-Loaded Tristearin Encapsulated Superparamagnetic Iron Oxide Nanoparticles Using Coaxial Electrospray Processing. <i>Molecular Pharmaceutics</i> , 2017, 14, 2010-2023.	4.6	55
14	Radiolabelling with short-lived PET (positron emission tomography) isotopes using microfluidic reactors. <i>Journal of Chemical Technology and Biotechnology</i> , 2009, 84, 309-315.	3.2	53
15	Ruthenium-catalysed hydrogenation of esters using tripodal phosphine ligands. <i>Journal of Molecular Catalysis A</i> , 2011, 346, 70-78.	4.8	49
16	A catalytic chiral gel microfluidic reactor assembled via dynamic covalent chemistry. <i>Chemical Science</i> , 2015, 6, 2292-2296.	7.4	47
17	Polar Self-Assembly: Steric Effects Leading to Polar Mixed-Ligand Coordination Cages. <i>Chemistry - A European Journal</i> , 2006, 12, 2448-2453.	3.3	42
18	ROP relationships between coordination polymers and discrete complexes: discrete bowl-shaped isomers of a 2-dimensional {M ₄ L ₃ } _n polymer. <i>CrystEngComm</i> , 2004, 6, 408.	2.6	38

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19	Gasâ€“Liquid Segmented Flow Microfluidics for Screening Pdâ€“Catalyzed Carbonylation Reactions. <i>Chemistry - A European Journal</i> , 2012, 18, 2768-2772.	3.3	38
20	The Cyclic â€œSilver-Diphosâ€“Motif [Ag ₂ ($\frac{1}{4}$ -diphosphine) ₂] ₂ ⁺ as a Synthone for Building up Larger Structures. <i>Inorganic Chemistry</i> , 2008, 47, 8367-8379.	4.0	31
21	Synthesis, Characterization, and Reactivity of Ruthenium Hydride Complexes of N-Centered Triphosphine Ligands. <i>Inorganic Chemistry</i> , 2014, 53, 3742-3752.	4.0	31
22	Rapid carbonylative coupling reactions using palladium(i) dimers: applications to ¹¹ C-radiolabelling for the synthesis of PET tracers. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 3499.	2.8	30
23	On the Use of Differential Scanning Calorimetry for Thermal Hazard Assessment of New Chemistry: Avoiding Explosive Mistakes. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 15798-15802.	13.8	30
24	[¹¹ C]Carbon Disulfide: A Versatile Reagent for PET Radiolabelling. <i>Chemistry - A European Journal</i> , 2012, 18, 433-436.	3.3	28
25	The preparation of multimetallic complexes using sterically bulky N-centred tripodal dialkyl phosphino ligands. <i>Journal of Organometallic Chemistry</i> , 2010, 695, 1138-1145.	1.8	25
26	Carbon-11 Radiolabelling of Organosulfur Compounds: ¹¹ C Synthesis of the Progesterone Receptor Agonist Tanaproget. <i>Chemistry - A European Journal</i> , 2015, 21, 9034-9038.	3.3	25
27	Application of Microfluidics to the Ultra-Rapid Preparation of Fluorine-18 Labelled Compounds. <i>Current Radiopharmaceuticals</i> , 2010, 3, 254-262.	0.8	25
28	Assembly of a coordination cage with four aromatic channel receptors on the outside. <i>Chemical Communications</i> , 2002, , 2008-2009.	4.1	21
29	Beyond Triphos â€“ New hinges for a classical chelating ligand. <i>Coordination Chemistry Reviews</i> , 2015, 299, 39-60.	18.8	21
30	Variable coordination behaviour of pyrazole-containing N,P and N,P(O) ligands towards palladium(ii). <i>Dalton Transactions</i> , 2007, , 2823.	3.3	18
31	Binding and photodissociation of CO in iron(ii) complexes for application in positron emission tomography (PET) radiolabelling. <i>Dalton Transactions</i> , 2011, 40, 6210.	3.3	17
32	Diazo-Transfer Reagent 2-Azido-4,6-dimethoxy-1,3,5-triazine Displays Highly Exothermic Decomposition Comparable to Tosyl Azide. <i>Journal of Organic Chemistry</i> , 2019, 84, 5893-5898.	3.2	16
33	Cobalt(-i>sc> triphos dinitrogen complexes: activation and silyl-functionalisation of N₂. <i>Chemical Communications</i> , 2019, 55, 6579-6582.	4.1	14
34	ScorpoPhos: a novel phosphine-nitrogen ligand containing a tris(pyrazolyl)borate ligand core. <i>Dalton Transactions</i> , 2008, , 2677.	3.3	13
35	Insight into the stereoelectronic parameters of N-triphos ligands via coordination to tungsten(0). <i>Dalton Transactions</i> , 2016, 45, 5536-5548.	3.3	13
36	Ammonium [¹¹ C]thiocyanate: revised preparation and reactivity studies of a versatile nucleophile for carbon-11 radiolabelling. <i>MedChemComm</i> , 2018, 9, 1311-1314.	3.4	13

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37	Synthesis and reactivity of an N-triphos Mo(0) dinitrogen complex. Dalton Transactions, 2018, 47, 11386-11396.	3.3	12
38	Steric control over the formation of cis and trans bis-chelated palladium(ii) complexes using a new series of flexible N,P pyridylâ€“phosphine ligands. Dalton Transactions, 2007, , 4556.	3.3	10
39	<i>N</i> -heterocyclic carbenes as ligands in palladiumâ€“mediated [¹¹ C]radiolabelling of [¹¹ C]amides for positron emission tomography. Journal of Labelled Compounds and Radiopharmaceuticals, 2011, 54, 135-139.	1.0	9
40	Synthesis and pre-clinical evaluation of a [18F]fluoromethyl-tanaproget derivative for imaging of progesterone receptor expression. RSC Advances, 2016, 6, 57569-57579.	3.6	8
41	Synthesis and characterisation of a range of Fe, Co, Ru and Rh triphos complexes and investigations into the catalytic hydrogenation of levulinic acid. Journal of Organometallic Chemistry, 2021, 935, 121650.	1.8	8
42	Triphosphine Ligands: Coordination Chemistry and Recent Catalytic Applications. Structure and Bonding, 2016, , 31-61.	1.0	7
43	Synthesis, characterisation and coordination chemistry of a new multidentate P2N4 ligand system. Dalton Transactions, 2009, , 5284.	3.3	5
44	Microfluidic Hydrogenation Reactions by using a Channelâ€“Supported Rhodium Catalyst. ChemCatChem, 2014, 6, 1199-1203.	3.7	5
45	Surface modification of supramolecular nanotubes and selective guest capture. New Journal of Chemistry, 2014, 38, 3755-3761.	2.8	5
46	On the Use of Differential Scanning Calorimetry for Thermal Hazard Assessment of New Chemistry: Avoiding Explosive Mistakes. Angewandte Chemie, 2020, 132, 15930-15934.	2.0	5
47	Rapid formation of 2-lithio-1-(triphenylmethyl)imidazole and substitution reactions in flow. Reaction Chemistry and Engineering, 2021, 6, 2018-2023.	3.7	3
48	Synthesis of carbon-11 radiolabelled transition metal complexes using ¹¹ C-dithiocarbamates. Dalton Transactions, 2022, 51, 5004-5008.	3.3	3
49	N-Centered Tripodal Phosphine Re(V) and Tc(V) Oxo Complexes: Revisiting a [3 + 2] Mixed-Ligand Approach. Inorganic Chemistry, 2022, 61, 8000-8014.	4.0	3
50	The Synthesis, Characterization and Reactivity of a Series of Ruthenium <i>N</i> -triphos ^{Ph} Complexes. Journal of Visualized Experiments, 2015, , .	0.3	2
51	Synthesis and crystallographic characterisation of a homologous series of bis-tridentate phosphine oxide NP3O3 Fe(II), Co(II), Ni(II) and Cu(II) complexes. Inorganica Chimica Acta, 2020, 512, 119870.	2.4	1