

John P Lowe

List of Publications by Year in descending order

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471509

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39
times ranked

1357
citing authors

#	ARTICLE	IF	CITATIONS
1	The structures of ring-expanded NHC supported copper(scp) triphenylstannyls and their phenyl transfer reactivity towards heterocumulenes. Dalton Transactions, 2022, 51, 831-835.	3.3	3
2	Zinc-Promoted ZnMe/ZnPh Exchange in Eight-Coordinate $[\text{Ru}(\text{PPh}_3)_2(\text{ZnMe})_4\text{H}_2]$. Angewandte Chemie - International Edition, 2022, , .	13.8	5
3	Zinc-Promoted ZnMe/ZnPh Exchange in Eight-Coordinate $[\text{Ru}(\text{PPh}_3)_2(\text{ZnMe})_4\text{H}_2]$. Angewandte Chemie, 2022, 134, .	2.0	1
4	A Terphenyl Supported Dioxophosphorane Dimer: the Light Congener of Lawesson's and Woollins TM Reagents. Chemistry - A European Journal, 2022, , .	3.3	2
5	Effects of $\text{g-C}_3\text{N}_4$ Heterogenization into Intrinsically Microporous Polymers on the Photocatalytic Generation of Hydrogen Peroxide. ACS Applied Materials & Interfaces, 2022, 14, 19938-19948.	8.0	17
6	Convenient and accurate insight into solution-phase equilibria from FlowNMR titrations. Reaction Chemistry and Engineering, 2022, 7, 2009-2024.	3.7	3
7	A Copper(I) Platform for One-Pot P-H Bond Formation and Hydrophosphination of Heterocumulenes. ACS Catalysis, 2022, 12, 8214-8219.	11.2	8
8	Multi-nuclear, high-pressure, <i>operando</i> FlowNMR spectroscopic study of Rh/PPh_3 -catalysed hydroformylation of 1-hexene. Faraday Discussions, 2021, 229, 422-442.	3.2	13
9	Engineering aspects of FlowNMR spectroscopy setups for online analysis of solution-phase processes. Reaction Chemistry and Engineering, 2021, 6, 1548-1573.	3.7	15
10	$[\text{Ni}(\text{NHC})_2]$ as a Scaffold for Structurally Characterized <i>trans</i> $[\text{H}^+\text{Ni}^+\text{PR}_2]$ and <i>trans</i> $[\text{R}_2\text{P}^+\text{Ni}^+\text{PR}_2]$ Complexes. Chemistry - A European Journal, 2021, 27, 13221-13234.	3.3	15
11	Effective electroosmotic transport of water in an intrinsically microporous polyamine (PIM-EA-TB). Electrochemistry Communications, 2021, 130, 107110.	4.7	5
12	A stable ring-expanded NHC-supported copper boryl and its reactivity towards heterocumulenes. Dalton Transactions, 2021, 50, 16336-16342.	3.3	8
13	Does the Configuration at the Metal Matter in Noyori's Ikariya Type Asymmetric Transfer Hydrogenation Catalysts?. ACS Catalysis, 2021, 11, 13649-13659.	11.2	24
14	Bonding and Reactivity of a Pair of Neutral and Cationic Heterobimetallic RuZn_2 Complexes. Inorganic Chemistry, 2021, 60, 16256-16265.	4.0	7
15	The first ring-expanded NHC-copper(scp) phosphides as catalysts in the highly selective hydrophosphination of isocyanates. Chemical Communications, 2020, 56, 13359-13362.	4.1	27
16	Zn-Promoted C-H Reductive Elimination and H_2 Activation via a Dual Unsaturated Heterobimetallic Ru-Zn Intermediate. Journal of the American Chemical Society, 2020, 142, 6340-6349.	13.7	34
17	Kinetics of Asymmetric Transfer Hydrogenation, Catalyst Deactivation, and Inhibition with Noyori Complexes As Revealed by Real-Time High-Resolution FlowNMR Spectroscopy. ACS Catalysis, 2019, 9, 2079-2090.	11.2	42
18	Insight into catalyst speciation and hydrogen co-evolution during enantioselective formic acid-driven transfer hydrogenation with bifunctional ruthenium complexes from multi-technique <i>operando</i> reaction monitoring. Faraday Discussions, 2019, 220, 45-57.	3.2	19

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19	Long Wavelength TCF-Based Fluorescent Probe for the Detection of Alkaline Phosphatase in Live Cells. <i>Frontiers in Chemistry</i> , 2019, 7, 255.	3.6	30
20	Triphasic Nature of Polymers of Intrinsic Microporosity Induces Storage and Catalysis Effects in Hydrogen and Oxygen Reactivity at Electrode Surfaces. <i>ChemElectroChem</i> , 2019, 6, 252-259.	3.4	30
21	Online monitoring of a photocatalytic reaction by real-time high resolution FlowNMR spectroscopy. <i>Chemical Communications</i> , 2018, 54, 30-33.	4.1	31
22	C–F Bond Activation of P(C6F5)3 by Ruthenium Dihydride Complexes: Isolation and Reactivity of the σ -Alkyl-Ru(PPh3)3H(halide) Complex, Ru(PPh3)3HF. <i>Inorganic Chemistry</i> , 2018, 57, 13749-13760.	4.0	10
23	Catalytic Hydrodefluorination of Fluoroarenes Using Ru(Ime4)2L2H2 (Ime4 =) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 587 Td (1,2</i> 36, 2308-2316.	2.3	17
24	A Protocol for NMR Analysis of the Enantiomeric Excess of Chiral Diols Using an Achiral Diboronic Acid Template. <i>Journal of Organic Chemistry</i> , 2016, 81, 6795-6799.	3.2	14
25	Hydrophosphination of Unactivated Alkenes and Alkynes Using Iron(II): Catalysis and Mechanistic Insight. <i>ACS Catalysis</i> , 2016, 6, 7892-7897.	11.2	48
26	Practical aspects of real-time reaction monitoring using multi-nuclear high resolution FlowNMR spectroscopy. <i>Catalysis Science and Technology</i> , 2016, 6, 8406-8417.	4.1	68
27	Activation of H ₂ over the Ru ^{II} -Zn Bond in the Transition Metal ^{II} -Lewis Acid Heterobimetallic Species [Ru(IPr) ₂ (CO)ZnEt] ⁺ . <i>Journal of the American Chemical Society</i> , 2016, 138, 11081-11084.	13.7	59
28	Aerosol-assisted CVD of SnO from stannous alkoxide precursors. <i>Dalton Transactions</i> , 2016, 45, 18252-18258.	3.3	15
29	Alkaline-Promoted CO Homologation and Reductive Catalysis. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 10009-10011.	13.8	71
30	Metal influence on the iso- and hetero-selectivity of complexes of bipyrrrolidine derived salan ligands for the polymerisation of rac-lactide. <i>Chemical Science</i> , 2015, 6, 5034-5039.	7.4	90
31	A water-soluble boronate-based fluorescent probe for the selective detection of peroxynitrite and imaging in living cells. <i>Chemical Science</i> , 2014, 5, 3368.	7.4	205
32	Rh ^{II} -FHF and Rh ^{II} -F Complexes Containing Small <i>N</i> -Alkyl Substituted Six-Membered Ring N-Heterocyclic Carbenes. <i>Organometallics</i> , 2014, 33, 1986-1995.	2.3	23
33	NMR cryoporometry characterisation studies of the relation between drug release profile and pore structural evolution of polymeric nanoparticles. <i>International Journal of Pharmaceutics</i> , 2014, 469, 146-158.	5.2	27
34	Synthesis and Small Molecule Reactivity of <i>trans</i> -Dihydride Isomers of Ru(NHC) ₂ (PPh ₃) ₂ H ₂ (NHC = N-Heterocyclic Carbene). <i>Organometallics</i> , 2013, 32, 4927-4937.	2.3	22
35	MRI and PGSE NMR Studies of Long-range, Pore-pore Interaction Effects in Gas Adsorption. , 2011, , .		0
36	Determination of the Spatial Location of Coke in Catalysts by a Novel NMR Approach. , 2011, , .		0

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37	Fundamental studies of gas sorption within mesopores situated amidst an inter-connected, irregular network. Adsorption, 2008, 14, 289-307.	3.0	16