John P Lowe

List of Publications by Year
in descending order

37 papers	1,054 citations	471061 17 h-index	414034 32 g-index
39 all docs	39 docs citations	39 times ranked	1357 citing authors

#	Article	IF	Citations
1	The structures of ring-expanded NHC supported copper(<scp>i</scp>) triphenylstannyls and their phenyl transfer reactivity towards heterocumulenes. Dalton Transactions, 2022, 51, 831-835.	1.6	3
2	Zincâ€Promoted ZnMe/ZnPh Exchange in Eightâ€Coordinate [Ru(PPh ₃) ₂ (ZnMe) ₄ H ₂]. Angewandte Chemie - International Edition, 2022, , .	7.2	5
3	Zincâ€Promoted ZnMe/ZnPh Exchange in Eightâ€Coordinate [Ru(PPh₃)₂(ZnMe)₄H₂]. Angewandte Chemie, 2022, 134, .	1.6	1
4	A Terphenyl Supported Dioxophosphorane Dimer: the Light Congener of Lawesson's and Woollinsâ€™ Reagents. Chemistry - A European Journal, 2022, , .	1.7	2
5	Effects of g-C₃N₄ Heterogenization into Intrinsically Microporous Polymers on the Photocatalytic Generation of Hydrogen Peroxide. ACS Applied Materials & Interfaces, 2022, 14, 19938-19948.	4.0	17
6	Convenient and accurate insight into solution-phase equilibria from FlowNMR titrations. Reaction Chemistry and Engineering, 2022, 7, 2009-2024.	1.9	3
7	A Copper(I) Platform for One-Pot Pâ€“H Bond Formation and Hydrophosphination of Heterocumulenes. ACS Catalysis, 2022, 12, 8214-8219.	5.5	8
8	Multi-nuclear, high-pressure, <i>operando</i> FlowNMR spectroscopic study of Rh/PPh₃ â€“ catalysed hydroformylation of 1-hexene. Faraday Discussions, 2021, 229, 422-442.	1.6	13
9	Engineering aspects of FlowNMR spectroscopy setups for online analysis of solution-phase processes. Reaction Chemistry and Engineering, 2021, 6, 1548-1573.	1.9	15
10	[Ni(NHC)₂] as a Scaffold for Structurally Characterized <i>trans</i> [Hâˆ’Niâˆ’PR₂] and <i>trans</i> [R₂Pâˆ’Niâˆ’PR₂] Complexes. Chemistry - A European Journal, 2021, 27, 13221-13234.	1.7	15
11	Effective electroosmotic transport of water in an intrinsically microporous polyamine (PIM-EA-TB). Electrochemistry Communications, 2021, 130, 107110.	2.3	5
12	A stable ring-expanded NHC-supported copper boryl and its reactivity towards heterocumulenes. Dalton Transactions, 2021, 50, 16336-16342.	1.6	8
13	Does the Configuration at the Metal Matter in Noyoriâ€“Ikariya Type Asymmetric Transfer Hydrogenation Catalysts?. ACS Catalysis, 2021, 11, 13649-13659.	5.5	24
14	Bonding and Reactivity of a Pair of Neutral and Cationic Heterobimetallic RuZn2 Complexes. Inorganic Chemistry, 2021, 60, 16256-16265.	1.9	7
15	The first ring-expanded NHCâ€“copper(<scp>i</scp>) phosphides as catalysts in the highly selective hydrophosphination of isocyanates. Chemical Communications, 2020, 56, 13359-13362.	2.2	27
16	Zn-Promoted Câ€“H Reductive Elimination and H₂ Activation via a Dual Unsaturated Heterobimetallic Ruâ€“Zn Intermediate. Journal of the American Chemical Society, 2020, 142, 6340-6349.	6.6	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.	5.5	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.	1.6	19

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19	Long Wavelength TCF-Based Fluorescent Probe for the Detection of Alkaline Phosphatase in Live Cells. Frontiers in Chemistry, 2019, 7, 255.	1.8	30
20	Triphasic Nature of Polymers of Intrinsic Microporosity Induces Storage and Catalysis Effects in Hydrogen and Oxygen Reactivity at Electrode Surfaces. ChemElectroChem, 2019, 6, 252-259.	1.7	30
21	Online monitoring of a photocatalytic reaction by real-time high resolution FlowNMR spectroscopy. Chemical Communications, 2018, 54, 30-33.	2.2	31
22	Câ€"F Bond Activation of P(C6F5)3 by Ruthenium Dihydride Complexes: Isolation and Reactivity of the â€œMissingâ€•Ru(PPh3)3H(halide) Complex, Ru(PPh3)3HF. Inorganic Chemistry, 2018, 57, 13749-13760.	1.9	10
23	Catalytic Hydrodefluorination of Fluoroarenes Using Ru(IMe4)2L2H2 (IMe4 =) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 587 Td (1,3 36, 2308-2316.	1.1	17
24	A Protocol for NMR Analysis of the Enantiomeric Excess of Chiral Diols Using an Achiral Diboronic Acid Template. Journal of Organic Chemistry, 2016, 81, 6795-6799.	1.7	14
25	Hydrophosphination of Unactivated Alkenes and Alkynes Using Iron(II): Catalysis and Mechanistic Insight. ACS Catalysis, 2016, 6, 7892-7897.	5.5	48
26	Practical aspects of real-time reaction monitoring using multi-nuclear high resolution FlowNMR spectroscopy. Catalysis Science and Technology, 2016, 6, 8406-8417.	2.1	68
27	Activation of H₂ over the Ruâ˘Zn Bond in the Transition Metalâ˘Lewis Acid Heterobimetallic Species [Ru(IPr)₂(CO)ZnEt]⁺. Journal of the American Chemical Society, 2016, 138, 11081-11084.	6.6	59
28	Aerosol-assisted CVD of SnO from stannous alkoxide precursors. Dalton Transactions, 2016, 45, 18252-18258.	1.6	15
29	Alkalineâ€Earthâ€Promoted CO Homologation and Reductive Catalysis. Angewandte Chemie - International Edition, 2015, 54, 10009-10011.	7.2	71
30	Metal influence on the iso- and hetero-selectivity of complexes of bipyrrolidine derived salan ligands for the polymerisation of rac-lactide. Chemical Science, 2015, 6, 5034-5039.	3.7	90
31	A water-soluble boronate-based fluorescent probe for the selective detection of peroxynitrite and imaging in living cells. Chemical Science, 2014, 5, 3368.	3.7	205
32	Rhâ€"FHF and Rhâ€"F Complexes Containing Small <i>N</i>-Alkyl Substituted Six-Membered Ring N-Heterocyclic Carbenes. Organometallics, 2014, 33, 1986-1995.	1.1	23
33	NMR cryoporometry characterisation studies of the relation between drug release profile and pore structural evolution of polymeric nanoparticles. International Journal of Pharmaceutics, 2014, 469, 146-158.	2.6	27
34	Synthesis and Small Molecule Reactivity of <i>trans</i>-Dihydride Isomers of Ru(NHC)₂(PPh₃)₂H₂ (NHC = N-Heterocyclic Carbene). Organometallics, 2013, 32, 4927-4937.	1.1	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.	1.4	16