Alex Hamilton

List of Publications by Year
in descending order

30 papers	865 citations	361413 20 h-index	477307 29 g-index
31 all docs	31 docs citations	31 times ranked	749 citing authors

#	Article	IF	Citations
1	Cytotoxic properties of rhenium(<scp>i</scp>) tricarbonyl complexes of N-heterocyclic carbene ligands. Dalton Transactions, 2022, 51, 7630-7643.	3.3	3
2	Catalytic Formation of Cyclic Carbonates using Gallium Aminotrisphenolate Compounds and Comparison to their Aluminium Congeners: A Combined Experimental and Computational Study. ChemCatChem, 2021, 13, 4099-4110.	3.7	14
3	Unravelling the mechanism of cobalt-catalysed remote Câ€“H nitration of 8-aminoquinolinamides and expansion of substrate scope towards 1-naphthylpicolinamide. Chemical Science, 2020, 11, 534-542.	7.4	1
4	Merging Cu-catalysed Câ€“H functionalisation and intramolecular annulations: computational and experimental studies on an expedient construction of complex fused heterocycles. Organic Chemistry Frontiers, 2020, 7, 1235-1242.	4.5	6
5	Towards a Sequential Oneâ€Pot Preparation of 1,2,3â€Benzotriazinâ€4(3H)â€ones Employing a Key Cp*Co(III)â€catalyzed Câ€“H Amidation Step. Advanced Synthesis and Catalysis, 2018, 360, 2324-2332.	4.3	24
6	Cp*Co(III)â€Catalyzed Coupling of Benzamides with Î±,Î²â€Unsaturated Carbonyl Compounds: Preparation of Aliphatic Ketones and Azepinones. Chemistry - A European Journal, 2018, 24, 3584-3589.	3.3	54
7	A challenging redox neutral Cp*Co(III)-catalysed alkylation of acetanilides with 3-buten-2-one: synthesis and key insights into the mechanism through DFT calculations. Beilstein Journal of Organic Chemistry, 2018, 14, 2366-2374.	2.2	7
8	Unexpectedly High Barriers to Mâ€“P Rotation in Tertiary Phobane Complexes: PhobPR Behavior That Is Commensurate with tBu2PR. Organometallics, 2014, 33, 702-714.	2.3	3
9	Copper and silver complexes bearing flexible hybrid scorpionate ligandmpBm. Dalton Transactions, 2013, 42, 11074-11081.	3.3	10
10	Insight into the Hydrogen Migration Processes Involved in the Formation of Metalâ€“Borane Complexes: Importance of the Third Arm of the Scorpionate Ligand. Organometallics, 2013, 32, 2840-2856.	2.3	22
11	A Mechanistic Rationale for the 9-Amino(9-deoxy)epi Cinchona Alkaloids Catalyzed Asymmetric Reactions via Iminium Ion Activation of Enones. Journal of the American Chemical Society, 2013, 135, 9091-9098.	13.7	72
12	Interplay of bite angle and cone angle effects. A comparison between o-C₆H₄(CH₂PR₂)(PRâ€²₂) and o-C₆H₄(CH₂PR₂)(CH₂PRâ€²₂) as ligands for Pd-catalysed ethene hydromethoxycarbonylation. Dalton Transactions, 2013, 42, 100-115.	3.3	31
13	Mechanisms of Catalysis in Confined Spaces: Hydrogenation of Norbornadiene with a Rhodium Complex included in a Self-Folding Cavitand. Current Organic Chemistry, 2013, 17, 1499-1506.	1.6	3
14	Efficient and chemoselective ethene hydromethoxycarbonylation catalysts based on Pd-complexes of heterodiphosphines o-C₆H₄(CH₂P^tBu₂)(CH₂PR₂). Catalysis Science and Technology, 2012, 2, 937-950.	4.1	28
15	Influence of the Solvent and Metal Center on Supramolecular Chirality Induction with Bisporphyrin Tweezer Receptors. Strong Metal Modulation of Effective Molarity Values. Inorganic Chemistry, 2012, 51, 4620-4635.	4.0	42
16	The oxidative conversion of the N,S-bridged complexes [{RhLLâ€²(Î¼-X)}2] to [(RhLLâ€²)3(Î¼-X)2]+ (X = mt or taz): a comparison with the oxidation of N,N-bridged analogues. Dalton Transactions, 2011, 40, 11497.	3.3	1
17	Strong agostic-type interactions in ruthenium benzylidene complexes containing 7-azaindole based scorpionate ligands. Dalton Transactions, 2011, 40, 951-958.	3.3	24
18	Potassium S2N-heteroscorpionates: structure and iridaboratrane formation. Dalton Transactions, 2011, 40, 4647.	3.3	21

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19	A new hybrid scorpionate ligand: a study of the metalâ€“boron bond within metallaboratrane complexes. Dalton Transactions, 2010, 39, 392-400.	3.3	44
20	Fluxional rhodium scorpionate complexes of the hydrotris(methimazolyl)borate (Tm) ligand and their static boratrane derivatives. Dalton Transactions, 2010, 39, 5221.	3.3	29
21	Palladium Complexes of the Heterodiphosphine o-C₆H₄(CH₂P^tBu₂)(CH₂PPh₂) Are Highly Selective and Robust Catalysts for the Hydromethoxycarbonylation of Ethene. Organometallics, 2010, 29, 2292-2305.	2.3	49
22	Isomerism in rhodium(i) N,S-donor heteroscorpionates: ring substituent and ancillary ligand effects. Dalton Transactions, 2010, 39, 11616.	3.3	16
23	Unexpected pincer-type coordination (Î°³-SBS) within a zerovalent platinum metallaboratrane complex. Dalton Transactions, 2010, 39, 49-52.	3.3	38
24	Further Exploring the â€œSting of the Scorpionâ€• Hydride Migration and Subsequent Rearrangement of Norbornadiene to Nortricyclyl on Rhodium(I). Organometallics, 2009, 28, 5222-5232.	2.3	59
25	A new family of flexible scorpionate ligands based on 2-mercaptopyridine. Dalton Transactions, 2009, , 6120.	3.3	52
26	A â€˜stingâ€™ on Grubbsâ€™ catalyst: an insight into hydride migration between boron and a transition metal. Chemical Communications, 2009, , 553-555.	4.1	45
27	A new family of metallaboratrane complexes based on 7-azaindole: Bâ€“H activation mediated by carbon monoxide. Chemical Communications, 2009, , 2538.	4.1	58
28	A novel route to rhodaboratranes [Rh(CO)(PR3){B(taz)3}]+via the redox activation of scorpionate complexes [RhLLâ€²Tt]. Dalton Transactions, 2009, , 8724.	3.3	30
29	Anatomy of Phobanes. Diastereoselective Synthesis of the Three Isomers ofn-Butylphobane and a Comparison of their Donor Properties. Journal of the American Chemical Society, 2009, 131, 3078-3092.	13.7	38
30	Flexible scorpionates for transfer hydrogenation: the first example of their catalytic application. Dalton Transactions, 2008, , 6039.	3.3	41