

Sebastian D Pike

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

1,107
citations

361413

20
h-index

434195

31
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39
all docs

39
docs citations

39
times ranked

1497
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis and Characterization of a Rhodium(I) η^5 -Alkane Complex in the Solid State. <i>Science</i> , 2012, 337, 1648-1651.	12.6	131
2	Organometallic chemistry using partially fluorinated benzenes. <i>Chemical Communications</i> , 2017, 53, 3615-3633.	4.1	88
3	Solid-State Synthesis and Characterization of η^5 -Alkane Complexes, $[\text{Rh}(\text{L})_2(\text{I})_2\text{-C}_7\text{H}_{12}][\text{BAR}_4\text{F}_4]$ ($\text{L} = \text{Bidentate Chelating Phosphine}$). <i>Journal of the American Chemical Society</i> , 2015, 137, 820-833.	13.7	78
4	Dehydrogenative Boron Homocoupling of an Amine-Borane. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 9776-9780.	13.8	66
5	The use of mixed-metal single source precursors for the synthesis of complex metal oxides. <i>Chemical Communications</i> , 2020, 56, 854-871.	4.1	60
6	The Simplest Amino-Borane $\text{H}_2\text{B}=\text{NH}_2$ Trapped on a Rhodium Dimer: Pre-Catalysts for Amine-Borane Dehydropolymerization. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 6651-6656.	13.8	57
7	Organometallic synthesis, reactivity and catalysis in the solid state using well-defined single-site species. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2015, 373, 20140187.	3.4	52
8	Rh-Pincer Xantphos Complexes for C-S and C-H Activation. Implications for Carbothiolation Catalysis. <i>Organometallics</i> , 2015, 34, 711-723.	2.3	51
9	Well-Defined and Robust Rhodium Catalysts for the Hydroacylation of Terminal and Internal Alkenes. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 8520-8524.	13.8	47
10	Single-Source Bismuth (Transition Metal) Polyoxovanadate Precursors for the Scalable Synthesis of Doped BiVO_4 Photoanodes. <i>Advanced Materials</i> , 2018, 30, e1804033.	21.0	47
11	Enhancing the Antibacterial Activity of Light-Activated Surfaces Containing Crystal Violet and ZnO Nanoparticles: Investigation of Nanoparticle Size, Capping Ligand, and Dopants. <i>ACS Omega</i> , 2016, 1, 334-343.	3.5	41
12	Reversible Redox Cycling of Well-Defined, Ultrasmall $\text{Cu}/\text{Cu}_2\text{O}$ Nanoparticles. <i>ACS Nano</i> , 2017, 11, 2714-2723.	14.6	41
13	Effect of the Phosphine Steric and Electronic Profile on the Rh-Promoted Dehydrocoupling of Phosphine-Boranes. <i>Inorganic Chemistry</i> , 2014, 53, 3716-3729.	4.0	38
14	Simple phosphinate ligands access zinc clusters identified in the synthesis of zinc oxide nanoparticles. <i>Nature Communications</i> , 2016, 7, 13008.	12.8	31
15	A CH_2Cl_2 complex of a $[\text{Rh}(\text{pincer})]^+$ cation. <i>Dalton Transactions</i> , 2015, 44, 6340-6342.	3.3	28
16	Relative binding affinities of fluorobenzene ligands in cationic rhodium bisphosphine η^6 -fluorobenzene complexes probed using collision-induced dissociation. <i>Journal of Organometallic Chemistry</i> , 2015, 784, 75-83.	1.8	27
17	Stoichiometric and Catalytic Solid-Gas Reactivity of Rhodium Bis-phosphine Complexes. <i>Organometallics</i> , 2015, 34, 1487-1497.	2.3	24
18	Layered zinc hydroxide monolayers by hydrolysis of organozincs. <i>Chemical Science</i> , 2018, 9, 2135-2146.	7.4	23

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19	Colloidal Cu/ZnO catalysts for the hydrogenation of carbon dioxide to methanol: investigating catalyst preparation and ligand effects. <i>Catalysis Science and Technology</i> , 2017, 7, 3842-3850.	4.1	22
20	Hydrolysis of organometallic and metal-amine precursors: synthesis routes to oxo-bridged heterometallic complexes, metal-oxo clusters and metal oxide nanoparticles. <i>Dalton Transactions</i> , 2018, 47, 3638-3662.	3.3	21
21	Antibacterial Surfaces with Activity against Antimicrobial Resistant Bacterial Pathogens and Endospores. <i>ACS Infectious Diseases</i> , 2020, 6, 939-946.	3.8	21
22	The Simplest Amino-borane $H_2B=NH_2$ Trapped on a Rhodium Dimer: Pre-catalysts for Amine-borane Dehydropolymerization. <i>Angewandte Chemie</i> , 2016, 128, 6763-6768.	2.0	20
23	Photo-redox reactivity of titanium-oxo clusters: mechanistic insight into a two-electron intramolecular process, and structural characterisation of mixed-valent $Ti(III)/Ti(IV)$ products. <i>Chemical Science</i> , 2019, 10, 6886-6898.	7.4	16
24	C-Cl activation of the weakly coordinating anion $[B(3,5-Cl_2C_6H_3)_4]^-$ at a Rh(i) centre in solution and the solid-state. <i>Dalton Transactions</i> , 2013, 42, 12832.	3.3	15
25	Exploring $(Ph_2PCH_2CH_2)_2E$ Ligand Space (E = O, S, PPh) in RhI Alkene Complexes as Potential Hydroacylation Catalysts. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 5558-5565.	2.0	11
26	Cu/M:ZnO (M = Mg, Al, Cu) colloidal nanocatalysts for the solution hydrogenation of carbon dioxide to methanol. <i>Journal of Materials Chemistry A</i> , 2020, 8, 11282-11291.	10.3	10
27	A simple one-step synthetic route to access a range of metal-doped polyoxovanadate clusters. <i>Dalton Transactions</i> , 2019, 48, 4555-4564.	3.3	7
28	Exploring the Synthesis and Coordination Chemistry of Pentafluorophenylcopper: Organocopper Poly-anions and Coordination Networks. <i>Organometallics</i> , 2020, 39, 3759-3767.	2.3	4
29	Titanium compounds containing naturally occurring dye molecules. <i>Dalton Transactions</i> , 2021, 50, 17202-17207.	3.3	2
30	Semi-Automated Digital Micrograph Routine for Real-Time Phase Identification. <i>Microscopy and Microanalysis</i> , 2015, 21, 1667-1668.	0.4	0
31	Scalable Photoelectrochemical Perovskite-BiVO ₄ Tandem Devices for Solar Fuel Synthesis. , 0, , .		0
32	Scalable Photoelectrochemical Perovskite-BiVO ₄ Tandem Devices for Solar Fuel Synthesis. , 0, , .		0