

# 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  
g-index

39  
all docs

39  
docs citations

39  
times ranked

1497  
citing authors

#	ARTICLE	IF	CITATIONS
1	Titanium compounds containing naturally occurring dye molecules. Dalton Transactions, 2021, 50, 17202-17207.	3.3	2
2	The use of mixed-metal single source precursors for the synthesis of complex metal oxides. Chemical Communications, 2020, 56, 854-871.	4.1	60
3	Exploring the Synthesis and Coordination Chemistry of Pentafluorophenylcopper: Organocopper Polyanions and Coordination Networks. Organometallics, 2020, 39, 3759-3767.	2.3	4
4	Cu/M:ZnO (M = Mg, Al, Cu) colloidal nanocatalysts for the solution hydrogenation of carbon dioxide to methanol. Journal of Materials Chemistry A, 2020, 8, 11282-11291.	10.3	10
5	Antibacterial Surfaces with Activity against Antimicrobial Resistant Bacterial Pathogens and Endospores. ACS Infectious Diseases, 2020, 6, 939-946.	3.8	21
6	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. Chemical Science, 2019, 10, 6886-6898.	7.4	16
7	A simple one-step synthetic route to access a range of metal-doped polyoxovanadate clusters. Dalton Transactions, 2019, 48, 4555-4564.	3.3	7
8	Hydrolysis of organometallic and metal-amine precursors: synthesis routes to oxo-bridged heterometallic complexes, metal-oxo clusters and metal oxide nanoparticles. Dalton Transactions, 2018, 47, 3638-3662.	3.3	21
9	Layered zinc hydroxide monolayers by hydrolysis of organozincs. Chemical Science, 2018, 9, 2135-2146.	7.4	23
10	Single-Source Bismuth (Transition Metal) Polyoxovanadate Precursors for the Scalable Synthesis of Doped BiVO <sub>4</sub> Photoanodes. Advanced Materials, 2018, 30, e1804033.	21.0	47
11	Reversible Redox Cycling of Well-Defined, Ultrasmall Cu/Cu <sub>2</sub> O Nanoparticles. ACS Nano, 2017, 11, 2714-2723.	14.6	41
12	Organometallic chemistry using partially fluorinated benzenes. Chemical Communications, 2017, 53, 3615-3633.	4.1	88
13	Colloidal Cu/ZnO catalysts for the hydrogenation of carbon dioxide to methanol: investigating catalyst preparation and ligand effects. Catalysis Science and Technology, 2017, 7, 3842-3850.	4.1	22
14	The Simplest Amino-Borane H <sub>2</sub> B=NH <sub>2</sub> Trapped on a Rhodium Dimer: Pre-Catalysts for Amine-Borane Dehydropolymerization. Angewandte Chemie, 2016, 128, 6763-6768.	2.0	20
15	Enhancing the Antibacterial Activity of Light-Activated Surfaces Containing Crystal Violet and ZnO Nanoparticles: Investigation of Nanoparticle Size, Capping Ligand, and Dopants. ACS Omega, 2016, 1, 334-343.	3.5	41
16	Simple phosphinate ligands access zinc clusters identified in the synthesis of zinc oxide nanoparticles. Nature Communications, 2016, 7, 13008.	12.8	31
17	The Simplest Amino-Borane H <sub>2</sub> B=NH <sub>2</sub> Trapped on a Rhodium Dimer: Pre-Catalysts for Amine-Borane Dehydropolymerization. Angewandte Chemie - International Edition, 2016, 55, 6651-6656.	13.8	57
18	Well-Defined and Robust Rhodium Catalysts for the Hydroacylation of Terminal and Internal Alkenes. Angewandte Chemie - International Edition, 2015, 54, 8520-8524.	13.8	47

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19	Semi-Automated DigitalMicrograph Routine for Real-Time Phase Identification. <i>Microscopy and Microanalysis</i> , 2015, 21, 1667-1668.	0.4	0
20	A CH <sub>2</sub> Cl <sub>2</sub> complex of a [Rh(pincer)] <sup>+</sup> cation. <i>Dalton Transactions</i> , 2015, 44, 6340-6342.	3.3	28
21	Rh <sup>+</sup> -POP Pincer Xantphos Complexes for C <sup>+</sup> S and C <sup>+</sup> H Activation. Implications for Carbothiolation Catalysis. <i>Organometallics</i> , 2015, 34, 711-723.	2.3	51
22	Solid-State Synthesis and Characterization of $\sigma$ -Alkane Complexes, [Rh(L <sub>2</sub> )( $\sigma$ -C <sub>7</sub> H <sub>12</sub> )] [BAR <sub>4</sub> ] (L <sub>2</sub> = Bidentate Chelating Phosphine). <i>Journal of the American Chemical Society</i> , 2015, 137, 820-833.	13.7	78
23	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
24	Stoichiometric and Catalytic Solid <sup>+</sup> Gas Reactivity of Rhodium Bis-phosphine Complexes. <i>Organometallics</i> , 2015, 34, 1487-1497.	2.3	24
25	Relative binding affinities of fluorobenzene ligands in cationic rhodium bisphosphine $\sigma$ -fluorobenzene complexes probed using collision-induced dissociation. <i>Journal of Organometallic Chemistry</i> , 2015, 784, 75-83.	1.8	27
26	Effect of the Phosphine Steric and Electronic Profile on the Rh-Promoted Dehydrocoupling of Phosphine <sup>+</sup> Boranes. <i>Inorganic Chemistry</i> , 2014, 53, 3716-3729.	4.0	38
27	Dehydrogenative Boron Homocoupling of an Amine <sup>+</sup> Borane. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 9776-9780.	13.8	66
28	C <sup>+</sup> Cl activation of the weakly coordinating anion [B(3,5-Cl <sub>2</sub> C <sub>6</sub> H <sub>3</sub> ) <sub>4</sub> ] <sup>-</sup> at a Rh(I) centre in solution and the solid-state. <i>Dalton Transactions</i> , 2013, 42, 12832.	3.3	15
29	Synthesis and Characterization of a Rhodium(I) $\sigma$ -Alkane Complex in the Solid State. <i>Science</i> , 2012, 337, 1648-1651.	12.6	131
30	Exploring (Ph <sub>2</sub> PCH <sub>2</sub> CH <sub>2</sub> ) <sub>2</sub> E Ligand Space (E = O, S, PPh) in Rh(I) Alkene Complexes as Potential Hydroacylation Catalysts. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 5558-5565.	2.0	11
31	Scalable Photoelectrochemical Perovskite-BiVO <sub>4</sub> Tandem Devices for Solar Fuel Synthesis. , 0, , .		0
32	Scalable Photoelectrochemical Perovskite-BiVO <sub>4</sub> Tandem Devices for Solar Fuel Synthesis. , 0, , .		0