

Benjamin L Davis

List of Publications by Year in descending order

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31
papers

1,516
citations

567281

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580821

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38
all docs

38
docs citations

38
times ranked

1261
citing authors

#	ARTICLE	IF	CITATIONS
1	A Comparative Review of Metal-Based Charge Carriers in Nonaqueous Flow Batteries. ChemSusChem, 2021, 14, 1214-1228.	6.8	11
2	A Comparative Review of Metal-Based Charge Carriers in Nonaqueous Flow Batteries. ChemSusChem, 2021, 14, 1213-1213.	6.8	0
3	Iron-iminopyridine complexes as charge carriers for non-aqueous redox flow battery applications. Energy Storage Materials, 2021, 37, 576-586.	18.0	18
4	Expanding the potential of redox carriers for flow battery applications. Journal of Materials Chemistry A, 2020, 8, 17808-17816.	10.3	5
5	Surface-Controlled Conversion of Ammonia Borane from Boron Nitride. Energies, 2020, 13, 5569.	3.1	3
6	Exploring Redox Active and Electrochemically Stable Organic Molecules for > 3 V Non-Aqueous Redox Flow Batteries. ECS Meeting Abstracts, 2020, MA2020-02, 206-206.	0.0	0
7	Linked Picolinamide Nickel Complexes as Redox Carriers for Nonaqueous Flow Batteries. ChemSusChem, 2019, 12, 1304-1309.	6.8	11
8	Catalyst-Inspired Charge Carriers for High Energy Density Redox Flow Batteries. Frontiers in Physics, 2019, 6, .	2.1	9
9	Iron(tris pyridyl-imine) Complexes As Redox Couples for Non-Aqueous Redox Flow Battery Applications. ECS Meeting Abstracts, 2019, , .	0.0	0
10	Impact of Ligand Substitutions on Multielectron Redox Properties of Fe Complexes Supported by Nitrogenous Chelates. ACS Omega, 2018, 3, 14766-14778.	3.5	10
11	Progress Toward High Voltage, High Cycle Life Non-Aqueous Flow Cells for Grid Scale Energy Storage. ECS Meeting Abstracts, 2018, , .	0.0	0
12	Development of High Capacity Metal-Ligand Electrolytes for Grid-Scale Non-Aqueous Redox Flow Battery. ECS Meeting Abstracts, 2018, , .	0.0	0
13	Combined Theoretical and Experimental Approach to Next Generation Flow Cell Charge Carriers for Grid Scale Energy Storage. ECS Meeting Abstracts, 2018, , .	0.0	0
14	Early-Lanthanide(III) Acetonitrile-Solvent Adducts with Iodide and Noncoordinating Anions. Inorganic Chemistry, 2015, 54, 11958-11968.	4.0	12
15	Enabling ammonia-borane: co-oligomerization of ammonia-borane and amine-boranes yield liquid products. Energy and Environmental Science, 2014, 7, 1653-1656.	30.8	8
16	N-substituted amine-borane ionic liquids as fluid phase, hydrogen storage materials. Journal of Materials Chemistry A, 2014, 2, 16507-16515.	10.3	15
17	Physical, structural, and dehydrogenation properties of ammonia borane in ionic liquids. RSC Advances, 2014, 4, 21681-21687.	3.6	19
18	Lewis base assisted B-H bond redistribution in borazine and polyborazylene. Chemical Communications, 2013, 49, 9095.	4.1	21

#	ARTICLE	IF	CITATIONS
19	Formation of benzodiazaborolanes from borazine. <i>Main Group Chemistry</i> , 2010, 9, 135-139.	0.8	2
20	Recycle of tin thiolate compounds relevant to ammoniaâ€boraneregeneration. <i>Chemical Communications</i> , 2010, 46, 148-149.	4.1	51
21	Potassium(I) Amidotrihydroborate: Structure and Hydrogen Release. <i>Journal of the American Chemical Society</i> , 2010, 132, 11836-11837.	13.7	112
22	Efficient Regeneration of Partially Spent Ammonia Borane Fuel. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 6812-6816.	13.8	226
23	Calcium Amidotrihydroborate: A Hydrogen Storage Material. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 8995-8997.	13.8	224
24	C-H bond activation through steric crowding of normally inert ligands in the sterically crowded gadolinium and yttrium (C ₅ Me ₅) ₃ M complexes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 12678-12683.	7.1	94
25	Structural studies of mono(pentamethylcyclopentadienyl)lanthanide complexes. <i>Journal of Coordination Chemistry</i> , 2006, 59, 1069-1087.	2.2	22
26	Synthesis and Comparative σ -Alkyl and Sterically Induced Reduction Reactivity of (C ₅ Me ₅) ₃ Ln Complexes of La, Ce, Pr, Nd, and Sm. <i>Organometallics</i> , 2005, 24, 3916-3931.	2.3	124
27	Metallocene Allyl Reactivity in the Presence of Alkenes Tethered to Cyclopentadienyl Ligands. <i>Organometallics</i> , 2005, 24, 2269-2278.	2.3	50
28	Structural studies of lanthanide and yttrium metallocene oxides. <i>Journal of Organometallic Chemistry</i> , 2003, 677, 89-95.	1.8	33
29	Chemistry of Tris(pentamethylcyclopentadienyl) f-Element Complexes, (C ₅ Me ₅) ₃ M. <i>Chemical Reviews</i> , 2002, 102, 2119-2136.	47.7	293
30	Synthesis and Structure of Tris(alkyl- and silyl-tetramethylcyclopentadienyl) Complexes of Lanthanum. <i>Inorganic Chemistry</i> , 2001, 40, 6341-6348.	4.0	63
31	Synthesis, Structure, and Catalytic Reactions of 1,2-Bis(indenyl)ethane-Derived Lanthanocenes. <i>Organometallics</i> , 1999, 18, 2125-2132.	2.3	80