

Lucy E Darago

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

2,525
citations

279798

23
h-index

434195

31
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32
all docs

32
docs citations

32
times ranked

3779
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic ordering through itinerant ferromagnetism in a metal-organic framework. <i>Nature Chemistry</i> , 2021, 13, 594-598.	13.6	40
2	Strong Ferromagnetic Exchange Coupling and Single-Molecule Magnetism in MoS ₄ ³⁻ -Bridged Dilanthanide Complexes. <i>Journal of the American Chemical Society</i> , 2021, 143, 8465-8475.	13.7	27
3	Exchange Bias in a Layered Metal-Organic Topological Spin Glass. <i>ACS Central Science</i> , 2021, 7, 1317-1326.	11.3	17
4	Confinement of atomically defined metal halide sheets in a metal-organic framework. <i>Nature</i> , 2020, 577, 64-68.	27.8	84
5	Substituent Effects on Exchange Coupling and Magnetic Relaxation in 2,2'-Bipyrimidine Radical-Bridged Dilanthanide Complexes. <i>Journal of the American Chemical Society</i> , 2020, 142, 21197-21209.	13.7	86
6	Negative cooperativity upon hydrogen bond-stabilized O ₂ adsorption in a redox-active metal-organic framework. <i>Nature Communications</i> , 2020, 11, 3087.	12.8	36
7	Trimethylsilyl versus Bis(trimethylsilyl) Substitution in Tris(cyclopentadienyl) Complexes of La, Ce, and Pr: Comparison of Structure, Magnetic Properties, and Reactivity. <i>Organometallics</i> , 2018, 37, 900-905.	2.3	39
8	Synthesis, Structure, and Magnetism of Tris(amide) [Ln{N(SiMe ₃) ₂ }] ₃ ¹⁺ Complexes of the Non-traditional +2 Lanthanide Ions. <i>Chemistry - A European Journal</i> , 2018, 24, 7702-7709.	3.3	64
9	Utility of Lithium in Rare-Earth Metal Reduction Reactions to Form Nontraditional Ln ²⁺ Complexes and Unusual [Li(2.2.2-cryptand)] ¹⁺ Cations. <i>Inorganic Chemistry</i> , 2018, 57, 2096-2102.	4.0	21
10	Control of Electronic Structure and Conductivity in Two-Dimensional Metal-Semiquinoid Frameworks of Titanium, Vanadium, and Chromium. <i>Journal of the American Chemical Society</i> , 2018, 140, 3040-3051.	13.7	100
11	A Terminal Fluoride Ligand Generates Axial Magnetic Anisotropy in Dysprosium Complexes. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 1933-1938.	13.8	78
12	A Terminal Fluoride Ligand Generates Axial Magnetic Anisotropy in Dysprosium Complexes. <i>Angewandte Chemie</i> , 2018, 130, 1951-1956.	2.0	23
13	Structure, Magnetism, and Multi-electron Reduction Reactivity of the Inverse Sandwich Reduced Arene La ²⁺ Complex [(C ₅ H ₃ (SiMe ₃) ₂) ₂ La] ₂ (1/4-1/6 ^{2,3} ; 1/17 ⁶). <i>Organometallics</i> , 2018, 37, 3322-3331.		
14	Influence of a "Dangling" Co(II) Ion Bound to a [MnCo ₃ O ₄] Oxo Cubane. <i>Journal of the American Chemical Society</i> , 2018, 140, 9030-9033.	13.7	22
15	Electron delocalization and charge mobility as a function of reduction in a metal-organic framework. <i>Nature Materials</i> , 2018, 17, 625-632.	27.5	255
16	Charge Delocalization and Bulk Electronic Conductivity in the Mixed-Valence Metal-Organic Framework Fe(1,2,3-triazolate) ₂ (BF ₄) _x . <i>Journal of the American Chemical Society</i> , 2018, 140, 8526-8534.	13.7	151
17	A Trinuclear Radical-Bridged Lanthanide Single-Molecule Magnet. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 10103-10107.	13.8	127
18	A Trinuclear Radical-Bridged Lanthanide Single-Molecule Magnet. <i>Angewandte Chemie</i> , 2017, 129, 10237-10241.	2.0	31

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19	Manganese-Cobalt Oxide Cubanes Relevant to Manganese-Doped Water Oxidation Catalysts. <i>Journal of the American Chemical Society</i> , 2017, 139, 5579-5587.	13.7	47
20	A spin transition mechanism for cooperative adsorption in metal-organic frameworks. <i>Nature</i> , 2017, 550, 96-100.	27.8	189
21	Giant coercivity and high magnetic blocking temperatures for N ₂ 3 ^{•-} radical-bridged lanthanide complexes upon ligand dissociation. <i>Nature Communications</i> , 2017, 8, 2144.	12.8	273
22	Selective, Tunable O ₂ Binding in Cobalt(II)-Triazolate/Pyrazolate Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2016, 138, 7161-7170.	13.7	101
23	Reversible CO Scavenging via Adsorbate-Dependent Spin State Transitions in an Iron(II)-Triazolate Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2016, 138, 5594-5602.	13.7	141
24	Structural and Electronic Effects on the Properties of Fe ₂ (dobdc) upon Oxidation with N ₂ O. <i>Inorganic Chemistry</i> , 2016, 55, 4924-4934.	4.0	15
25	Electronic Conductivity, Ferrimagnetic Ordering, and Reductive Insertion Mediated by Organic Mixed-Valence in a Ferric Semiquinoid Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2015, 137, 15703-15711.	13.7	329
26	Isolation of +2 rare earth metal ions with three anionic carbocyclic rings: bimetallic bis(cyclopentadienyl) reduced arene complexes of La ²⁺ and Ce ²⁺ are four electron reductants. <i>Chemical Science</i> , 2015, 6, 7267-7273.	7.4	38
27	Synthesis and O ₂ Reactivity of a Titanium(III) Metal-Organic Framework. <i>Inorganic Chemistry</i> , 2015, 54, 10096-10104.	4.0	82
28	Structural ground states of Cr ₂		