

Liane M Moreau

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

850
citations

759233

12
h-index

552781

26
g-index

26
all docs

26
docs citations

26
times ranked

1919
citing authors

#	ARTICLE	IF	CITATIONS
1	The structural evolution and diffusion during the chemical transformation from cobalt to cobalt phosphide nanoparticles. <i>Journal of Materials Chemistry</i> , 2011, 21, 11498.	6.7	136
2	The Oxidation of Cobalt Nanoparticles into Kirkendall-Hollowed Co ₃ O ₄ : The Diffusion Mechanisms and Atomic Structural Transformations. <i>Journal of Physical Chemistry C</i> , 2013, 117, 14303-14312.	3.1	128
3	Defining Crystalline/Amorphous Phases of Nanoparticles through X-ray Absorption Spectroscopy and X-ray Diffraction: The Case of Nickel Phosphide. <i>Chemistry of Materials</i> , 2013, 25, 2394-2403.	6.7	101
4	Unintended Phosphorus Doping of Nickel Nanoparticles during Synthesis with TOP: A Discovery through Structural Analysis. <i>Nano Letters</i> , 2012, 12, 4530-4539.	9.1	81
5	Catalyst discovery through megalibraries of nanomaterials. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 40-45.	7.1	77
6	How Ag Nanospheres Are Transformed into AgAu Nanocages. <i>Journal of the American Chemical Society</i> , 2017, 139, 12291-12298.	13.7	72
7	Electrolyte-Mediated Assembly of Charged Nanoparticles. <i>ACS Central Science</i> , 2016, 2, 219-224.	11.3	31
8	Defining the Structure of a Protein-Spherical Nucleic Acid Conjugate and Its Counterionic Cloud. <i>ACS Central Science</i> , 2018, 4, 378-386.	11.3	27
9	Structural and spectroscopic characterization of an einsteinium complex. <i>Nature</i> , 2021, 590, 85-88.	27.8	25
10	The role of trace Ag in the synthesis of Au nanorods. <i>Nanoscale</i> , 2019, 11, 11744-11754.	5.6	24
11	Structural properties of ultra-small thorium and uranium dioxide nanoparticles embedded in a covalent organic framework. <i>Chemical Science</i> , 2020, 11, 4648-4668.	7.4	22
12	Complexation of Lanthanides and Heavy Actinides with Aqueous Sulfur-Donating Ligands. <i>Inorganic Chemistry</i> , 2021, 60, 6125-6134.	4.0	15
13	Transformation of Ferrihydrite to Goethite and the Fate of Plutonium. <i>ACS Earth and Space Chemistry</i> , 2020, 4, 1993-2006.	2.7	12
14	Intermediate Yb valence in the Zintl phases $\text{Yb}_{24}\text{Mn}_{12}\text{Sb}_{24}$: XANES, magnetism, and heat capacity. <i>Physical Review Materials</i> , 2020, 4, .	2.4	12
15	Electronic structure studies reveal 4f/5d mixing and its effect on bonding characteristics in Ce-imido and -oxo complexes. <i>Chemical Science</i> , 2022, 13, 1759-1773.	7.4	12
16	Spontaneous Chelation-Driven Reduction of the Neptunyl Cation in Aqueous Solution. <i>Chemistry - A European Journal</i> , 2020, 26, 2354-2359.	3.3	11
17	Controlling the Reduction of Chelated Uranyl to Stable Tetravalent Uranium Coordination Complexes in Aqueous Solution. <i>Inorganic Chemistry</i> , 2021, 60, 973-981.	4.0	11
18	Cerium(IV) complexes with guanidinate ligands: intense colors and anomalous electronic structures. <i>Chemical Science</i> , 2021, 12, 3558-3567.	7.4	10

#	ARTICLE	IF	CITATIONS
19	Combining the Best of Two Chelating Titans: A Hydroxypyridinoneâ€Decorated Macrocyclic Ligand for Efficient and Concomitant Complexation and Sensitized Luminescence of fâ€Elements. ChemPlusChem, 2021, 86, 483-491.	2.8	8
20	Amidinate Supporting Ligands Influence Molecularity in Formation of Uranium Nitrides. Inorganic Chemistry, 2021, 60, 6672-6679.	4.0	8
21	Dicerium letterbox-shaped tetraphenolates: f-block complexes designed for two-electron chemistry. Dalton Transactions, 2020, 49, 877-884.	3.3	7
22	Enzymatic Degradation of DNA Probed by <i>In Situ</i> X-ray Scattering. ACS Nano, 2019, 13, 11382-11391.	14.6	6
23	Plutonium Co-precipitation with Calcite. ACS Earth and Space Chemistry, 2021, 5, 3362-3374.	2.7	5
24	A hydrolytically stable Ce(IV) complex of glutarimide-dioxime. Inorganic Chemistry Frontiers, 2021, 8, 934-939.	6.0	4
25	Mapping the effects of physical and chemical reduction parameters on local atomic distributions within bimetallic nanoparticles. Nanoscale, 2022, 14, 4519-4530.	5.6	4
26	<i>In situ</i> beam reduction of Pu(IV) and Bk(IV) as a route to trivalent transuranic coordination complexes with hydroxypyridinone chelators. Journal of Synchrotron Radiation, 2022, 29, 315-322.	2.4	1