

Noemi Leick

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

581
citations

687363

13
h-index

610901

24
g-index

31
all docs

31
docs citations

31
times ranked

1158
citing authors

#	ARTICLE	IF	CITATIONS
1	Reactive Vapor-Phase Additives toward Destabilizing $\hat{\text{I}}^3\text{-Mg}(\text{BH}_{4})_{2}$ for Improved Hydrogen Release. ACS Applied Energy Materials, 2022, 5, 1690-1700.	5.1	5
2	Thermal stability and structural studies on the mixtures of $\text{Mg}(\text{BH}_{4})_{2}$ and glymes. Dalton Transactions, 2022, 51, 7268-7273.	3.3	2
3	Fluorescent Probe of Aminopolymer Mobility in Bulk and in Nanoconfined Direct Air CO_{2} Capture Supports. Journal of Physical Chemistry C, 2022, 126, 10419-10428.	3.1	5
4	$\text{Al}_{2}\text{O}_{3}$ Atomic Layer Deposition on Nanostructured $\hat{\text{I}}^3\text{-Mg}(\text{BH}_{4})_{2}$ for H_{2} Storage. ACS Applied Energy Materials, 2021, 4, 1150-1162.	5.1	13
5	$\text{Mg}(\text{BH}_{4})_{2}$ -Based Hybrid Metal-Organic Borohydride System Exhibiting Enhanced Chemical Stability in Melt. ACS Applied Energy Materials, 2021, 4, 1704-1713.	5.1	5
6	Thermal Conversion of Unsolvated $\text{Mg}(\text{B}_{3}\text{H}_{8})_{2}$ to BH_{4}^{\ominus} in the Presence of MgH_{2} . ACS Applied Energy Materials, 2021, 4, 3737-3747.	5.1	17
7	Chemical Passivation of Crystalline Si by $\text{Al}_{2}\text{O}_{3}$ Deposited Using Atomic Layer Deposition: Implications for Solar Cells. ACS Applied Nano Materials, 2021, 4, 6629-6636.	5.0	6
8	Development of Thermally Stable Perovskite Solar Cells for Aerospace Applications. , 2021, , .		2
9	Additive Destabilization of Porous Magnesium Borohydride Framework with Core-Shell Structure. Small, 2021, 17, e2101989.	10.0	6
10	(Invited) Atomic Layer Deposition for H_{2} Storage: Opportunities and Limitations. ECS Meeting Abstracts, 2021, MA2021-02, 897-897.	0.0	0
11	$\text{Fe}_{4}(\text{OAc})_{10}[\text{EMIM}]_{2}$: Novel Iron-Based Acetate EMIM Ionic Compound. ACS Omega, 2021, 6, 31907-31918.	3.5	1
12	Heterolytic Scission of Hydrogen Within a Crystalline Frustrated Lewis Pair. Inorganic Chemistry, 2020, 59, 15295-15301.	4.0	8
13	Beyond Strain: Controlling the Surface Chemistry of CsPbI_{3} Nanocrystal Films for Improved Stability against Ambient Reactive Oxygen Species. Chemistry of Materials, 2020, 32, 7850-7860.	6.7	23
14	Runaway Carbon Dioxide Conversion Leads to Enhanced Uptake in a Nanohybrid Form of Porous Magnesium Borohydride. Advanced Materials, 2019, 31, e1904252.	21.0	10
15	Surface reactions of aminosilane precursors during N_{2} plasma-assisted atomic layer deposition of SiN_{x} . Plasma Processes and Polymers, 2019, 16, 1900032.	3.0	10
16	Kinetic Enhancement of Direct Hydrogenation of MgB_{2} to $\text{Mg}(\text{BH}_{4})_{2}$ upon Mechanical Milling with THF, MgH_{2} , and/or Mg. ChemPhysChem, 2019, 20, 1301-1304.	2.1	21
17	Growth of amorphous and epitaxial ZnSiP_{2} -Si alloys on Si. Journal of Materials Chemistry C, 2018, 6, 2696-2703.	5.5	18
18	Phenyl/Perfluorophenyl Stacking Interactions Enhance Structural Order in Two-Dimensional Covalent Organic Frameworks. Crystal Growth and Design, 2018, 18, 4160-4166.	3.0	31

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19	Atomic Layer Deposition of SiC _x N _y Using Si ₂ Cl ₆ and CH ₃ NH ₂ Plasma. Chemistry of Materials, 2017, 29, 6269-6278.	6.7	21
20	<i>In situ</i> spectroscopic ellipsometry during atomic layer deposition of Pt, Ru and Pd. Journal Physics D: Applied Physics, 2016, 49, 115504.	2.8	27
21	Silicon Nitride Encapsulated Silicon Nanocrystals for Lithium Ion Batteries. Plasma Processes and Polymers, 2016, 13, 116-123.	3.0	8
22	Atomic Layer Deposition of Platinum Nanoparticles on Titanium Oxide and Tungsten Oxide Using Platinum(II) Hexafluoroacetylacetonate and Formalin as the Reactants. Journal of Physical Chemistry C, 2014, 118, 8960-8970.	3.1	30
23	Catalytic Combustion Reactions During Atomic Layer Deposition of Ru Studied Using ¹⁸ O ₂ Isotope Labeling. Journal of Physical Chemistry C, 2013, 117, 21320-21330.	3.1	11
24	Influence of Oxygen Exposure on the Nucleation of Platinum Atomic Layer Deposition: Consequences for Film Growth, Nanopatterning, and Nanoparticle Synthesis. Chemistry of Materials, 2013, 25, 1905-1911.	6.7	123
25	Catalytic Combustion and Dehydrogenation Reactions during Atomic Layer Deposition of Platinum. Chemistry of Materials, 2012, 24, 1752-1761.	6.7	107
26	Dehydrogenation Reactions during Atomic Layer Deposition of Ru Using O ₂ . Chemistry of Materials, 2012, 24, 3696-3700.	6.7	29
27	Plasma-Assisted Atomic Layer Deposition of SrTiO ₃ : Stoichiometry and Crystallinity Study by Spectroscopic Ellipsometry. ECS Transactions, 2011, 41, 63-72.	0.5	6
28	Bis(cyclopentadienyl) zirconium(IV) amides as possible precursors for low pressure CVD and plasma-enhanced ALD. Inorganica Chimica Acta, 2010, 363, 1077-1083.	2.4	13
29	Solders development and application process for a micro chip-camera. Microsystem Technologies, 2008, 14, 1887-1894.	2.0	6
30	Patterns of Plasma Filaments Propagating on a Dielectric Surface. IEEE Transactions on Plasma Science, 2008, 36, 1326-1327.	1.3	17