

# 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	Influence of Oxygen Exposure on the Nucleation of Platinum Atomic Layer Deposition: Consequences for Film Growth, Nanopatterning, and Nanoparticle Synthesis. <i>Chemistry of Materials</i> , 2013, 25, 1905-1911.	6.7	123
2	Catalytic Combustion and Dehydrogenation Reactions during Atomic Layer Deposition of Platinum. <i>Chemistry of Materials</i> , 2012, 24, 1752-1761.	6.7	107
3	Phenyl/Perfluorophenyl Stacking Interactions Enhance Structural Order in Two-Dimensional Covalent Organic Frameworks. <i>Crystal Growth and Design</i> , 2018, 18, 4160-4166.	3.0	31
4	Atomic Layer Deposition of Platinum Nanoparticles on Titanium Oxide and Tungsten Oxide Using Platinum(II) Hexafluoroacetylacetonate and Formalin as the Reactants. <i>Journal of Physical Chemistry C</i> , 2014, 118, 8960-8970.	3.1	30
5	Dehydrogenation Reactions during Atomic Layer Deposition of Ru Using O <sub>2</sub> . <i>Chemistry of Materials</i> , 2012, 24, 3696-3700.	6.7	29
6	<i>In situ</i> spectroscopic ellipsometry during atomic layer deposition of Pt, Ru and Pd. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 115504.	2.8	27
7	Beyond Strain: Controlling the Surface Chemistry of CsPbI <sub>3</sub> Nanocrystal Films for Improved Stability against Ambient Reactive Oxygen Species. <i>Chemistry of Materials</i> , 2020, 32, 7850-7860.	6.7	23
8	Atomic Layer Deposition of SiC <sub>x</sub> N <sub>y</sub> Using Si <sub>2</sub> Cl <sub>6</sub> and CH <sub>3</sub> NH <sub>2</sub> Plasma. <i>Chemistry of Materials</i> , 2017, 29, 6269-6278.	6.7	21
9	Kinetic Enhancement of Direct Hydrogenation of MgB <sub>2</sub> to Mg(BH <sub>4</sub> ) <sub>2</sub> upon Mechanical Milling with THF, MgH <sub>2</sub> , and/or Mg. <i>ChemPhysChem</i> , 2019, 20, 1301-1304.	2.1	21
10	Growth of amorphous and epitaxial ZnSiP <sub>2</sub> Si alloys on Si. <i>Journal of Materials Chemistry C</i> , 2018, 6, 2696-2703.	5.5	18
11	Patterns of Plasma Filaments Propagating on a Dielectric Surface. <i>IEEE Transactions on Plasma Science</i> , 2008, 36, 1326-1327.	1.3	17
12	Thermal Conversion of Unsolvated Mg(B <sub>3</sub> H <sub>8</sub> ) <sub>2</sub> to BH <sub>4</sub> <sup>−</sup> in the Presence of MgH <sub>2</sub> . <i>ACS Applied Energy Materials</i> , 2021, 4, 3737-3747.	5.1	17
13	Bis(cyclopentadienyl) zirconium(IV) amides as possible precursors for low pressure CVD and plasma-enhanced ALD. <i>Inorganica Chimica Acta</i> , 2010, 363, 1077-1083.	2.4	13
14	Al <sub>2</sub> O <sub>3</sub> Atomic Layer Deposition on Nanostructured <sup>13</sup> C-Mg(BH <sub>4</sub> ) <sub>2</sub> for H <sub>2</sub> Storage. <i>ACS Applied Energy Materials</i> , 2021, 4, 1150-1162.	5.1	13
15	Catalytic Combustion Reactions During Atomic Layer Deposition of Ru Studied Using <sup>18</sup> O <sub>2</sub> Isotope Labeling. <i>Journal of Physical Chemistry C</i> , 2013, 117, 21320-21330.	3.1	11
16	Runaway Carbon Dioxide Conversion Leads to Enhanced Uptake in a Nanohybrid Form of Porous Magnesium Borohydride. <i>Advanced Materials</i> , 2019, 31, e1904252.	21.0	10
17	Surface reactions of aminosilane precursors during N <sub>2</sub> plasma-assisted atomic layer deposition of SiN <sub>x</sub> . <i>Plasma Processes and Polymers</i> , 2019, 16, 1900032.	3.0	10
18	Silicon Nitride Encapsulated Silicon Nanocrystals for Lithium Ion Batteries. <i>Plasma Processes and Polymers</i> , 2016, 13, 116-123.	3.0	8

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19	Heterolytic Scission of Hydrogen Within a Crystalline Frustrated Lewis Pair. <i>Inorganic Chemistry</i> , 2020, 59, 15295-15301.	4.0	8
20	Solders development and application process for a micro chip-camera. <i>Microsystem Technologies</i> , 2008, 14, 1887-1894.	2.0	6
21	Plasma-Assisted Atomic Layer Deposition of SrTiO <sub>3</sub> : Stoichiometry and Crystallinity Study by Spectroscopic Ellipsometry. <i>ECS Transactions</i> , 2011, 41, 63-72.	0.5	6
22	Chemical Passivation of Crystalline Si by Al <sub>2</sub> O <sub>3</sub> Deposited Using Atomic Layer Deposition: Implications for Solar Cells. <i>ACS Applied Nano Materials</i> , 2021, 4, 6629-6636.	5.0	6
23	Additive Destabilization of Porous Magnesium Borohydride Framework with Core-Shell Structure. <i>Small</i> , 2021, 17, e2101989.	10.0	6
24	Mg(BH <sub>4</sub> ) <sub>2</sub> -Based Hybrid Metal-Organic Borohydride System Exhibiting Enhanced Chemical Stability in Melt. <i>ACS Applied Energy Materials</i> , 2021, 4, 1704-1713.	5.1	5
25	Reactive Vapor-Phase Additives toward Destabilizing <sup>3</sup> Mg(BH <sub>4</sub> ) <sub>2</sub> for Improved Hydrogen Release. <i>ACS Applied Energy Materials</i> , 2022, 5, 1690-1700.	5.1	5
26	Fluorescent Probe of Aminopolymer Mobility in Bulk and in Nanoconfined Direct Air CO <sub>2</sub> Capture Supports. <i>Journal of Physical Chemistry C</i> , 2022, 126, 10419-10428.	3.1	5
27	Development of Thermally Stable Perovskite Solar Cells for Aerospace Applications. , 2021, , .		2
28	Thermal stability and structural studies on the mixtures of Mg(BH <sub>4</sub> ) <sub>2</sub> and glymes. <i>Dalton Transactions</i> , 2022, 51, 7268-7273.	3.3	2
29	Fe <sub>4</sub> (OAc) <sub>10</sub> [EMIM] <sub>2</sub> : Novel Iron-Based Acetate EMIM Ionic Compound. <i>ACS Omega</i> , 2021, 6, 31907-31918.	3.5	1
30	(Invited) Atomic Layer Deposition for H <sub>2</sub> Storage: Opportunities and Limitations. <i>ECS Meeting Abstracts</i> , 2021, MA2021-02, 897-897.	0.0	0