Linn Leppert

List of Publications by Year
in descending order

32 papers	1,750 citations	394421 19 h-index	526287 27 g-index
36 all docs	36 docs citations	36 times ranked	2938 citing authors

#	Article	IF	Citations
1	Facet-dependent photovoltaic efficiency variations in single grains of hybrid halideÂperovskite. Nature Energy, 2016, 1, .	39.5	308
2	Layered Halide Double Perovskites: Dimensional Reduction of Cs₂AgBiBr₆. Journal of the American Chemical Society, 2018, 140, 5235-5240.	13.7	293
3	Defect-Induced Band-Edge Reconstruction of a Bismuth-Halide Double Perovskite for Visible-Light Absorption. Journal of the American Chemical Society, 2017, 139, 5015-5018.	13.7	288
4	Smallâ€Bandâ€Gap Halide Double Perovskites. Angewandte Chemie - International Edition, 2018, 57, 12765-12770.	13.8	136
5	Electric Field- and Strain-Induced Rashba Effect in Hybrid Halide Perovskites. Journal of Physical Chemistry Letters, 2016, 7, 3683-3689.	4.6	104
6	Catalytic activity of nanoalloys from gold and palladium. Physical Chemistry Chemical Physics, 2012, 14, 6487.	2.8	73
7	Tuning the bandgap of Cs₂AgBiBr₆ through dilute tin alloying. Chemical Science, 2019, 10, 10620-10628.	7.4	58
8	Coordination-driven magnetic-to-nonmagnetic transition in manganese-doped silicon clusters. Physical Review B, 2013, 88, .	3.2	47
9	Dimensional reduction of the small-bandgap double perovskite Cs₂AgTlBr₆. Chemical Science, 2020, 11, 7708-7715.	7.4	43
10	Towards predictive band gaps for halide perovskites: Lessons from one-shot and eigenvalue self-consistent <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>G</mml:mi><mml:mi>W</mml:mi></mml:mrow></mml:n Physical Review Materials, 2019, 3, .	2.4	39
11	The use of ultrasonic cavitation for near-surface structuring of robust and low-cost AlNi catalysts for hydrogen production. Green Chemistry, 2015, 17, 2745-2749.	9.0	37
12	Expanded Analogs of Threeâ€Dimensional Leadâ€Halide Hybrid Perovskites. Angewandte Chemie - International Edition, 2020, 59, 19087-19094.	13.8	35
13	The Electronic Structure of Goldâ"Platinum Nanoparticles: Collecting Clues for Why They Are Special. Journal of Physical Chemistry C, 2011, 115, 6694-6702.	3.1	33
14	Chemically Localized Resonant Excitons in Silverâ€"Pnictogen Halide Double Perovskites. Journal of Physical Chemistry Letters, 2021, 12, 2057-2063.	4.6	31
15	Interplay of Electronic Structure and Atomic Mobility in Nanoalloys of Au and Pt. Journal of Physical Chemistry C, 2013, 117, 17268-17273.	3.1	30
16	A pencil-and-paper method for elucidating halide double perovskite band structures. Chemical Science, 2019, 10, 11041-11053.	7.4	28
17	Determining Atomic-Scale Structure and Composition of Organo-Lead Halide Perovskites by Combining High-Resolution X-ray Absorption Spectroscopy and First-Principles Calculations. ACS Energy Letters, 2017, 2, 1183-1189.	17.4	23
18	Excitons and narrow bands determine the optical properties of cesium bismuth halides. Physical Review B, 2019, 100, .	3.2	21

#	Article	IF	Citations
19	Improved ground-state electronic structure and optical dielectric constants with a semilocal exchange functional. Physical Review B, 2015, 91, .	3.2	19
20	Smallâ€Bandâ€Gap Halide Double Perovskites. Angewandte Chemie, 2018, 130, 12947-12952.	2.0	19
21	Gold-platinum alloys and Vegard's law on the nanoscale. Physical Review B, 2012, 86, .	3.2	16
22	Hydrogen binding energies and electronic structure of Niâ€“Pd particles: a clue to their special catalytic properties. Physical Chemistry Chemical Physics, 2015, 17, 26140-26148.	2.8	15
23	The Concept of Localized Atomic Mobility: Unraveling Properties of Nanoparticles. Journal of Physical Chemistry C, 2014, 118, 21647-21654.	3.1	14
24	First principles theoretical spectroscopy of methylene blue: Between limitations of time-dependent density functional theory approximations and its realistic description in the solvent. Journal of Chemical Physics, 2021, 154, 044106.	3.0	13
25	Revealing Local Disorder in a Silver-Bismuth Halide Perovskite upon Compression. Journal of Physical Chemistry Letters, 2021, 12, 532-536.	4.6	11
26	Assessment of the Ab Initio Betheâ€“Salpeter Equation Approach for the Low-Lying Excitation Energies of Bacteriochlorophylls and Chlorophylls. Journal of Physical Chemistry A, 2021, 125, 2163-2172.	2.5	10
27	Expanded Analogs of Threeâ€Dimensional Leadâ€Halide Hybrid Perovskites. Angewandte Chemie, 2020, 132, 19249-19256.	2.0	6
28	Optoelectronic Properties of Halide Perovskites with ab Initio Many-body Perturbation Theory. , 0, , .		0
29	Band edge orbital character strongly impacts the excitonic properties of halide double perovskites. , 0, , .		0
30	Optoelectronic Properties of Halide Perovskites with ab Initio Many-body Perturbation Theory. , 0, , .		0
31	Local Disorder in a Silver-Bismuth Halide Perovskite. , 0, , .		0
32	Magnetic moment quenching in small Pd clusters in solution. European Physical Journal D, 2021, 75, 1.	1.3	0