Andrew Akbashev

List of Publications by Year
in descending order

24 papers	2,429 citations	516710 16 h-index	580821 25 g-index
31 all docs	31 docs citations	31 times ranked	3708 citing authors

#	Article	IF	Citations
1	Electrocatalysis Goes Nuts. ACS Catalysis, 2022, 12, 4296-4301.	11.2	56
2	Electrocatalysis on oxide surfaces: Fundamental challenges and opportunities. Current Opinion in Electrochemistry, 2022, 35, 101095.	4.8	9
3	Correlative operando microscopy of oxygen evolution electrocatalysts. Nature, 2021, 593, 67-73.	27.8	321
4	Electrochemical Reactivity of Faceted Î²-Co(OH)₂Single Crystal Platelet Particles in Alkaline Electrolytes. Journal of Physical Chemistry C, 2019, 123, 18783-18794.	3.1	23
5	Infraredâ€toâ€ultraviolet lightâ€absorbing BaTiO₃â€based ferroelectric photovoltaic materials. Journal of the American Ceramic Society, 2019, 102, 4188-4199.	3.8	23
6	Activation of ultrathin SrTiO₃ with subsurface SrRuO₃ for the oxygen evolution reaction. Energy and Environmental Science, 2018, 11, 1762-1769.	30.8	83
7	In situ crystallization study of impurity phases in Biâ€“Feâ€“O thin films grown by atomic layer deposition. CrystEngComm, 2017, 19, 166-170.	2.6	2
8	Formation of BiFeO₃ from a Binary Oxide Superlattice Grown by Atomic Layer Deposition. ChemPhysChem, 2017, 18, 1966-1970.	2.1	10
9	Reply to 'Reconsidering the Shockleyâ€“Queisser limit of a ferroelectric insulator device'. Nature Photonics, 2017, 11, 330-330.	31.4	2
10	Review Article: Recommended reading list of early publications on atomic layer depositionâ€"Outcome of the â€œVirtual Project on the History of ALDâ€. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2017, 35, .	2.1	65
11	Surface- and strain-tuning of the optical dielectric function in epitaxially grown CaMnO3. Applied Physics Letters, 2016, 108, .	3.3	4
12	Power conversion efficiency exceeding the Shockleyâ€“Queisser limit in a ferroelectric insulator. Nature Photonics, 2016, 10, 611-616.	31.4	335
13	Crystallization engineering as a route to epitaxial strain control. APL Materials, 2015, 3, 106102.	5.1	10
14	Granular and layered ferroelectricâ€“ferromagnetic thin-film nanocomposites as promising materials with high magnetotransmission effect. Journal of Magnetism and Magnetic Materials, 2015, 384, 75-78.	2.3	5
15	A Facile Route for Producing Single-Crystalline Epitaxial Perovskite Oxide Thin Films. Nano Letters, 2014, 14, 44-49.	9.1	56
16	Hollandites as a new class of multiferroics. Scientific Reports, 2014, 4, 6203.	3.3	35
17	Perovskite oxides for visible-light-absorbing ferroelectric and photovoltaic materials. Nature, 2013, 503, 509-512.	27.8	1,110
18	Complex structural-ferroelectric domain walls in thin films of hexagonal orthoferrites RFeO₃ (Râ€‰=â€‰Lu, Er). Applied Physics Letters, 2013, 103, 112907.	3.3	17

#	Article	IF	Citations
19	Reconstructed stacking faults in cobalt-doped hexagonal LuFeO3 revealed by mapping of cation distribution at the atomic scale. CrystEngComm, 2012, 14, 5373.	2.6	10
20	Reconstruction of the polar interface between hexagonal LuFeO3 and intergrown Fe3O4 nanolayers. Scientific Reports, 2012, 2, 672.	3.3	20
21	Optical properties and electronic structure of multiferroic hexagonal orthoferrites <i>R</i>FeO3 (<i>R</i>â€‰=â€‰Ho, Er, Lu). Journal of Applied Physics, 2012, 111, .	2.5	42
22	Weak ferromagnetism in hexagonal orthoferrites RFeO3 (Râ€‰=â€‰Lu, Er-Tb). Applied Physics Letters, 2011, 99, .	3.3	93
23	Structural and chemical aspects of the design of multiferroic materials. Russian Chemical Reviews, 2011, 80, 1159-1177.	6.5	66
24	BiFeO3 thin films prepared by MOCVD. Surface and Coatings Technology, 2007, 201, 9149-9153.	4.8	21