

# Kelvin H L Zhang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2085021/publications.pdf>

Version: 2024-02-01

133  
papers

5,108  
citations

66234

42  
h-index

102304

66  
g-index

137  
all docs

137  
docs citations

137  
times ranked

7178  
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent progress on the electronic structure, defect, and doping properties of Ga <sub>2</sub> O <sub>3</sub> . APL Materials, 2020, 8, .	2.2	295
2	<i>p</i> -type transparent conducting oxides. Journal of Physics Condensed Matter, 2016, 28, 383002.	0.7	274
3	Wide Bandgap Oxide Semiconductors: from Materials Physics to Optoelectronic Devices. Advanced Materials, 2021, 33, e2006230.	11.1	185
4	Fundamental Carrier Lifetime Exceeding 1 Ås in Cs <sub>2</sub> AgBiBr <sub>6</sub> Double Perovskite. Advanced Materials Interfaces, 2018, 5, 1800464.	1.9	173
5	Perovskite Doped LaCrO <sub>3</sub> as a New <i>p</i> -type Transparent Conducting Oxide. Advanced Materials, 2015, 27, 5191-5195.	11.1	160
6	Strongly Enhanced Photovoltaic Performance and Defect Physics of Air-Stable Bismuth Oxide (BiOI). Advanced Materials, 2017, 29, 1702176.	11.1	139
7	Electronic and transport properties of Li-doped NiO epitaxial thin films. Journal of Materials Chemistry C, 2018, 6, 2275-2282.	2.7	122
8	Embedding ZnSe nanodots in nitrogen-doped hollow carbon architectures for superior lithium storage. Nano Research, 2018, 11, 966-978.	5.8	114
9	Microscopic Origin of Electron Accumulation in $\text{In}_2\text{O}_3$ . Physical Review Letters, 2013, 110, 056803.	2.9	103
10	Surface Energies Control the Self-Organization of Oriented In <sub>2</sub> O <sub>3</sub> Nanostructures on Cubic Zirconia. Nano Letters, 2010, 10, 3740-3746.	4.5	96
11	P-block metal-based (Sn, In, Bi, Pb) electrocatalysts for selective reduction of CO <sub>2</sub> to formate. APL Materials, 2020, 8, .	2.2	93
12	The electronic structure of transition metal oxides for oxygen evolution reaction. Journal of Materials Chemistry A, 2021, 9, 19465-19488.	5.2	90
13	A Single-Step Hydrothermal Route to 3D Hierarchical Cu <sub>2</sub> O/CuO/rGO Nanosheets as High-Performance Anode of Lithium-Ion Batteries. Small, 2018, 14, 1702667.	5.2	84
14	Defects in complex oxide thin films for electronics and energy applications: challenges and opportunities. Materials Horizons, 2020, 7, 2832-2859.	6.4	83
15	Orbital controlled band gap engineering of tetragonal BiFeO <sub>3</sub> for optoelectronic applications. Journal of Materials Chemistry C, 2018, 6, 1239-1247.	2.7	80
16	Tuning the Electronic Structure of NiO via Li Doping for the Fast Oxygen Evolution Reaction. Chemistry of Materials, 2019, 31, 419-428.	3.2	78
17	Increased activity in the oxygen evolution reaction by Fe <sup>4+</sup> -induced hole states in perovskite La <sub>1-x</sub> Sr <sub>x</sub> FeO <sub>3</sub> . Journal of Materials Chemistry A, 2020, 8, 4407-4415.	5.2	78
18	Ni <sup>3+</sup> -Induced Hole States Enhance the Oxygen Evolution Reaction Activity of Ni <sub>x</sub> Co <sub>3-x</sub> O <sub>4</sub> Electrocatalysts. Chemistry of Materials, 2019, 31, 7618-7625.	3.2	76

#	ARTICLE	IF	CITATIONS
19	Photoinduced insulator-to-metal transition in $\text{CuWO}_4$ thin films. <i>Journal of Physical Chemistry C</i> , 2019, 123, 12345-12350.	1.1	74
20	Gas transport in porous electrodes of solid oxide fuel cells: A review on diffusion and diffusivity measurement. <i>Journal of Power Sources</i> , 2013, 237, 64-73.	4.0	73
21	Elucidating the electronic structure of $\text{CuWO}_4$ thin films for enhanced photoelectrochemical water splitting. <i>Journal of Materials Chemistry A</i> , 2019, 7, 11895-11907.	5.2	67
22	An Fe stabilized metallic phase of $\text{NiS}_2$ for the highly efficient oxygen evolution reaction. <i>Nanoscale</i> , 2019, 11, 23217-23225.	2.8	66
23	Fabrication and Interfacial Electronic Structure of Wide Bandgap $\text{NiO}$ and $\text{Ga}_2\text{O}_3$ p-n Heterojunction. <i>ACS Applied Electronic Materials</i> , 2020, 2, 456-463.	2.0	66
24	Electronic Structure and Band Alignment at the $\text{NiO}$ and $\text{SrTiO}_3$ p-n Heterojunctions. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 26549-26555.	4.0	65
25	$\text{C}_{60}$ Molecular Chains on $\text{S}_6$ exithiophene Nanostripes. <i>Small</i> , 2007, 3, 2015-2018.	5.2	63
26	Two-Dimensional Pentacene:3,4,9,10-Perylenetetracarboxylic Dianhydride Supramolecular Chiral Networks on $\text{Ag}(111)$ . <i>Journal of the American Chemical Society</i> , 2008, 130, 12285-12289.	6.6	61
27	Tuning the Hole Injection Barrier at the Organic/Metal Interface with Self-Assembled Functionalized Aromatic Thiols. <i>Journal of Physical Chemistry B</i> , 2006, 110, 26075-26080.	1.2	60
28	Molecular orientation of 3, 4, 9, 10-perylene-tetracarboxylic-dianhydride thin films at organic heterojunction interfaces. <i>Applied Physics Letters</i> , 2007, 91, 114102.	1.5	60
29	Preferential Trapping of $\text{C}_{60}$ in Nanomesh Voids. <i>Journal of the American Chemical Society</i> , 2008, 130, 2720-2721.	6.6	60
30	Reversible nano-structuring of $\text{SrCrO}_3$ through oxidation and reduction at low temperature. <i>Nature Communications</i> , 2014, 5, 4669.	5.8	60
31	Highly Dispersed Metal Carbide on ZIF-derived Pyridinic-N-doped Carbon for $\text{CO}_2$ Enrichment and Selective Hydrogenation. <i>ChemSusChem</i> , 2018, 11, 1040-1047.	3.6	59
32	Tailoring the Electronic Structures of the $\text{La}_2\text{NiMnO}_6$ Double Perovskite as Efficient Bifunctional Oxygen Electrocatalysis. <i>Chemistry of Materials</i> , 2021, 33, 2062-2071.	3.2	58
33	Electronic Structure, Optical Properties, and Photoelectrochemical Activity of Sn-Doped $\text{Fe}_2\text{O}_3$ Thin Films. <i>Journal of Physical Chemistry C</i> , 2020, 124, 12548-12558.	1.5	56
34	Surface Structure and Electronic Properties of $\text{In}_2\text{O}_3(111)$ Single-Crystal Thin Films Grown on Y-Stabilized $\text{ZrO}_2(111)$ . <i>Chemistry of Materials</i> , 2009, 21, 4353-4355.	3.2	54
35	Electronic structure and conduction mechanism of spinel cobaltite oxide thin films. <i>Physical Review B</i> , 2019, 100, .	1.1	54
36	Tunable Arrays of $\text{C}_{60}$ Molecular Chains. <i>Advanced Materials</i> , 2008, 20, 484-488.	11.1	53

#	ARTICLE	IF	CITATIONS
37	An Upgraded Lithium Ion Battery Based on a Polymeric Separator Incorporated with Anode Active Materials. <i>Advanced Energy Materials</i> , 2019, 9, 1803627.	10.2	53
38	Domain Matching Epitaxial Growth of $\text{In}_2\text{O}_3$ Thin Films on $\text{In}_2\text{O}_3(0001)$ . <i>Crystal Growth and Design</i> , 2012, 12, 1000-1007.	1.4	52
39	Orientationally Ordered $\text{C}_{60}$ on <i>p</i> -Sexiphenyl Nanostripes on Ag(111). <i>ACS Nano</i> , 2008, 2, 693-698.	7.3	48
40	The Impacts of Cation Stoichiometry and Substrate Surface Quality on Nucleation, Structure, Defect Formation, and Intermixing in Complex Oxide Heteroepitaxy of $\text{LaCrO}_3$ on $\text{SrTiO}_3(001)$ . <i>Advanced Functional Materials</i> , 2013, 23, 2953-2963.	7.8	48
41	Quick one-pot synthesis of amorphous carbon-coated cobalt ferrite twin elliptical frustums for enhanced lithium storage capability. <i>Journal of Materials Chemistry A</i> , 2017, 5, 8062-8069.	5.2	47
42	In Situ Atmospheric Deposition of Ultrasoother Nickel Oxide for Efficient Perovskite Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 41849-41854.	4.0	47
43	Thickness dependence of the strain, band gap and transport properties of epitaxial $\text{In}_2\text{O}_3$ thin films grown on Y-stabilised $\text{ZrO}_2(111)$ . <i>Journal of Physics Condensed Matter</i> , 2011, 23, 334211.	0.7	45
44	Control of the band-gap states of metal oxides by the application of epitaxial strain: The case of indium oxide. <i>Physical Review B</i> , 2011, 83, .	1.1	42
45	Facilitating the Deprotonation of OH to O through $\text{Fe}^{4+}$ -Induced States in Perovskite $\text{LaNiO}_3$ Enables a Fast Oxygen Evolution Reaction. <i>Small</i> , 2021, 17, e2006930.	5.2	40
46	Electronic Structure and Interface Energetics of $\text{CuBi}_2\text{O}_4$ Photoelectrodes. <i>Journal of Physical Chemistry C</i> , 2020, 124, 22416-22425.	1.5	39
47	Correlating the electronic structure of perovskite $\text{La}_{1-x}\text{Sr}_x\text{CoO}_3$ with activity for the oxygen evolution reaction: The critical role of Co 3d hole state. <i>Journal of Energy Chemistry</i> , 2022, 65, 637-645.	7.1	39
48	$\text{NbS}_2$ : A Promising <i>p</i> -Type Ohmic Contact for Two-Dimensional Materials. <i>Physical Review Applied</i> , 2019, 12, .	1.5	36
49	Observation of a surface alloying-to-dealloying transition during growth of Bi on Ag(111). <i>Physical Review B</i> , 2011, 83, .	1.1	33
50	3D strain-induced superconductivity in $\text{La}_2\text{CuO}_4$ using a simple vertically aligned nanocomposite approach. <i>Science Advances</i> , 2019, 5, eaav5532.	4.7	31
51	$\text{C}_{60}$ on SiC Nanomesh. <i>Journal of Physical Chemistry B</i> , 2006, 110, 21873-21881.	1.2	30
52	Promoting the Oxygen Evolution Activity of Perovskite Nickelates through Phase Engineering. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 58566-58575.	4.0	30
53	A new insight into the oxygen diffusion in porous cathodes of lithium-air batteries. <i>Energy</i> , 2015, 83, 669-673.	4.5	29
54	Creation and Ordering of Oxygen Vacancies at $\text{WO}_3$ and Perovskite Interfaces. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 17480-17486.	4.0	29

#	ARTICLE	IF	CITATIONS
55	Interface energy band alignment at the all-transparent p-n heterojunction based on NiO and BaSnO <sub>3</sub> . Applied Physics Letters, 2018, 112, .	1.5	28
56	Vapor-Induced Dissociation of Solid Growth of Three-Dimensional Graphite-like Capsules with Delicate Morphology and Atomic-level Thickness Control. Crystal Growth and Design, 2016, 16, 5040-5048.	1.4	27
57	Growth of well-aligned Bi nanowire on Ag(111). Applied Surface Science, 2009, 256, 460-464.	3.1	26
58	Structural Anisotropy Determining the Oxygen Evolution Mechanism of Strongly Correlated Perovskite Nickelate Electrocatalyst. ACS Sustainable Chemistry and Engineering, 2021, 9, 4262-4270.	3.2	26
59	Argon Cluster Sputtering Source for ToF-SIMS Depth Profiling of Insulating Materials: High Sputter Rate and Accurate Interfacial Information. Journal of the American Society for Mass Spectrometry, 2015, 26, 1283-1290.	1.2	24
60	Interface Engineered Room-Temperature Ferromagnetic Insulating State in Ultrathin Manganite Films. Advanced Science, 2020, 7, 1901606.	5.6	24
61	Cation intermixing and electronic deviations at the insulating LaCrO <sub>3</sub> /SrTiO <sub>3</sub> interface. Physical Review B, 2012, 86, 080401.	1.1	23
62	Physical justification for ionic conductivity enhancement at strained coherent interfaces. Journal of Power Sources, 2015, 285, 37-42.	4.0	23
63	Influence of Reduced Cu Surface States on the Photoelectrochemical Properties of CuBi <sub>2</sub> O <sub>4</sub> . ACS Applied Energy Materials, 2019, 2, 6866-6874.	2.5	23
64	Modulation of the Bi <sup>3+</sup> 6s <sup>2</sup> Lone Pair State in Perovskites for High-Mobility p-Type Oxide Semiconductors. Advanced Science, 2022, 9, e2104141.	5.6	23
65	Origin of Improved Photoelectrochemical Water Splitting in Mixed Perovskite Oxides. Advanced Energy Materials, 2018, 8, 1801972.	10.2	22
66	The evaluation of Coulombic interaction in the oriented-attachment growth of colloidal nanorods. Analyst, The, 2012, 137, 4917.	1.7	21
67	Surface structure of In <sub>2</sub> O <sub>3</sub> (111) (1Å <sup>-1</sup> ) determined by density functional theory calculations and low energy electron diffraction. Surface Science, 2012, 606, 1-6.	0.8	21
68	Determination of the Poisson ratio of (001) and (111) oriented thin films of In <sub>2</sub> O <sub>3</sub> by synchrotron-based x-ray diffraction. Physical Review B, 2011, 84, .		
69	Identification of Lone-Pair Surface States on Indium Oxide. Journal of Physical Chemistry C, 2019, 123, 1700-1709.	1.5	20
70	Size-Dependent Shape and Tilt Transitions in In <sub>2</sub> O <sub>3</sub> Nanoislands Grown on Cubic Y-Stabilized ZrO <sub>2</sub> (001) by Molecular Beam Epitaxy. ACS Nano, 2012, 6, 6717-6729.	7.3	19
71	Space matters: Li <sup>+</sup> conduction versus strain effect at FePO <sub>4</sub> /LiFePO <sub>4</sub> interface. Applied Physics Letters, 2016, 108, .	1.5	18
72	Revealing the Electronic Structure and Optical Properties of CuFeO <sub>2</sub> as a p-Type Oxide Semiconductor. ACS Applied Electronic Materials, 2021, 3, 1834-1841.	2.0	18

#	ARTICLE	IF	CITATIONS
73	Self-biased magnetoelectric switching at room temperature in three-phase ferroelectric-antiferromagnetic-ferrimagnetic nanocomposites. <i>Nature Electronics</i> , 2021, 4, 333-341.	13.1	18
74	Synthesis and magnetic properties of MnSb nanoparticles on Si-based substrates. <i>Applied Physics Letters</i> , 2007, 90, 202503.	1.5	17
75	Intrinsic polaronic photocarrier dynamics in hematite. <i>Physical Review B</i> , 2021, 103, .	1.1	17
76	Oxygen-vacancy-mediated dielectric property in perovskite $\text{Eu}_{0.5}\text{Ba}_{0.5}\text{TiO}_3$ epitaxial thin films. <i>Applied Physics Letters</i> , 2018, 112, .	1.5	16
77	Epitaxial growth and band alignment of p-NiO/n-Fe <sub>2</sub> O <sub>3</sub> heterojunction on Al <sub>2</sub> O <sub>3</sub> (001). <i>Applied Surface Science</i> , 2019, 464, 488-493.	3.1	16
78	(In <sub>x</sub> Ga <sub>1-x</sub> ) <sub>2</sub> O <sub>3</sub> Thin Film Based Solar-Blind Deep UV Photodetectors with Ultra-High Detectivity and On/Off Current Ratio. <i>Advanced Optical Materials</i> , 2022, 10, .	3.6	16
79	Control of Two-Dimensional Ordering of F16CuPc on Bi/Ag(111): Effect of Interfacial Interactions. <i>Journal of Physical Chemistry C</i> , 2010, 114, 11234-11241.	1.5	15
80	Gas transport evaluation in lithium-air batteries with micro/nano-structured cathodes. <i>Journal of Power Sources</i> , 2015, 274, 762-767.	4.0	15
81	Size- and dimensionality-dependent optical, magnetic and magneto-optical properties of binary europium-based nanocrystals: EuX (X = O, S, Se, Te). <i>Nanotechnology</i> , 2016, 27, 192001.	1.3	15
82	Optimizing the Electronic Structure of In <sub>2</sub> O <sub>3</sub> through Mg Doping for NiO/In <sub>2</sub> O <sub>3</sub> p-n Heterojunction Diodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 53446-53453.	4.0	15
83	Micro-Heterogeneous Annihilation Dynamics of Self-Trapped Excitons in Hematite Single Crystals. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 7867-7873.	2.1	15
84	Deep UV transparent conductive oxide thin films realized through degenerately doped wide-bandgap gallium oxide. <i>Cell Reports Physical Science</i> , 2022, 3, 100801.	2.8	15
85	Enhanced photo-carrier transportation at semiconductor/electrolyte interface of TiO <sub>2</sub> photoanode by oxygen vacancy engineering. <i>Applied Surface Science</i> , 2022, 597, 153744.	3.1	15
86	Structure determination of the p <sub>3R30</sub> Bi-Ag(111) surface alloy using LEED I <sup>V</sup> and DFT analyses. <i>Surface Science</i> , 2010, 604, 1395-1399.	0.8	14
87	Tilting during island growth of $\ln_{2-x}\text{Y}_x\text{O}_3$ Y-stabilized $\ln_{2-x}\text{Y}_x\text{O}_3$		

#	ARTICLE	IF	CITATIONS
91	Influence of temperature on the epitaxial growth of In <sub>2</sub> O <sub>3</sub> thin films on Y-ZrO <sub>2</sub> (111). Journal of Crystal Growth, 2011, 318, 345-350.	0.7	12
92	Growth of Epitaxial Anatase Nano Islands on SrTiO <sub>3</sub> (001) by Dip Coating. Crystal Growth and Design, 2013, 13, 1438-1444.	1.4	12
93	Reflection high-energy electron diffraction beam-induced structural and property changes on WO <sub>3</sub> thin films. Applied Physics Letters, 2014, 105, .	1.5	12
94	An all-perovskite <i>p-n</i> junction based on transparent conducting <i>p</i> -La <sup>x</sup> Sr <sub>x</sub> CrO <sub>3</sub> epitaxial layers. Applied Physics Letters, 2017, 111, .	1.5	12
95	Atomic-Scale Control of Electronic Structure and Ferromagnetic Insulating State in Perovskite Oxide Superlattices by Long-Range Tuning of BO <sub>6</sub> Octahedra. Advanced Functional Materials, 2020, 30, 2001984.	7.8	12
96	Electronic and magnetic properties of epitaxial perovskite SrCrO <sub>3</sub> (001). Journal of Physics Condensed Matter, 2015, 27, 245605.	0.7	11
97	Insulating-to-conducting behavior and band profile across the $\text{La}_{1-x}\text{Sr}_x\text{CrO}_3/\text{SrTiO}_3$ epitaxial interface. Physical Review B, 2017, 96, .	0.9	11
98	Experimental and Theoretical Study of the Electronic Structures of Lanthanide Indium Perovskites LnInO <sub>3</sub> . Journal of Physical Chemistry C, 2021, 125, 6387-6400.	1.5	11
99	Recombination of Polaronic Electron-Hole Pairs in Hematite Determined by Nuclear Quantum Tunneling. Journal of Physical Chemistry Letters, 2021, 12, 4166-4171.	2.1	11
100	Probing the interaction at the C <sub>60</sub> -SiC nanomesh interface. Surface Science, 2007, 601, 2994-3002.	0.8	10
101	Electronic Structure of Epitaxial Sn-Doped Anatase Grown on SrTiO <sub>3</sub> (001) by Dip Coating. Journal of Physical Chemistry C, 2013, 117, 15221-15228.	1.5	10
102	Lithium-Ion Batteries: A Single-Step Hydrothermal Route to 3D Hierarchical Cu <sub>2</sub> O/CuO/rGO Nanosheets as High-Performance Anode of Lithium-Ion Batteries (Small 5/2018). Small, 2018, 14, 1870020.	5.2	10
103	High performance, electroforming-free, thin film memristors using ionic Na <sub>0.5</sub> Bi <sub>0.5</sub> TiO <sub>3</sub> . Journal of Materials Chemistry C, 2021, 9, 4522-4531.	2.7	10
104	Barrierless Self-Trapping of Photocarriers in Co <sub>3</sub> O <sub>4</sub> . Journal of Physical Chemistry Letters, 2021, 12, 12033-12039.	2.1	10
105	The evolution of the electronic structure at the Bi/Ag(111) interface studied using photoemission spectroscopy. Journal of Physics Condensed Matter, 2012, 24, 435502.	0.7	9
106	Unusual Role of Point Defects in Perovskite Nickelate Electrocatalysts. ACS Applied Materials & Interfaces, 2021, 13, 24887-24895.	4.0	9
107	Insights into the electronic structure of OsO <sub>2</sub> using soft and hard x-ray photoelectron spectroscopy in combination with density functional theory. Physical Review Materials, 2019, 3, .	0.9	9
108	Hot-carrier transfer at photocatalytic silicon/platinum interfaces. Journal of Chemical Physics, 2020, 152, 144705.	1.2	8

#	ARTICLE	IF	CITATIONS
109	Formation of bismuth nanodot in (4Å–4) vanadium oxide nanomesh on Pd(111). <i>Surface Science</i> , 2008, 602, 2025-2028.	0.8	7
110	A study of (111) oriented epitaxial thin films of $\text{In}_2\text{O}_3$ on cubic Y-doped $\text{ZrO}_2$ by synchrotron-based x-ray diffraction. <i>Journal of Materials Research</i> , 2012, 27, 2257-2264.	1.2	7
111	Ultrafast Anisotropic Evolution of Photoconductivity in $\text{Sb}_2\text{Se}_3$ Single Crystals. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 4988-4994.	2.1	7
112	Strain and tilt during epitaxial growth of highly ordered $\text{In}_2\text{O}_3$ nanorods. <i>Nanoscale</i> , 2013, 5, 7445.	2.8	6
113	Out-of-Cell Oxygen Diffusivity Evaluation in Lithium-Air Batteries. <i>ChemElectroChem</i> , 2014, 1, 2052-2057.	1.7	6
114	Growth and surface modification of $\text{LaFeO}_3$ thin films induced by reductive annealing. <i>Applied Surface Science</i> , 2015, 330, 309-315.	3.1	6
115	Growth of self-assembled Mn, Sb and $\text{MnSb}$ nanostructures on highly oriented pyrolytic graphite. <i>Thin Solid Films</i> , 2012, 520, 6909-6915.	0.8	5
116	Cross section and resonance effects in photoemission from Sn-doped $\text{In}_2\text{O}_3(111)$ . <i>Solid State Communications</i> , 2012, 152, 194-198.	0.9	5
117	Direct Conversion of Methanol to Ethanol on the Metal-Carbon Interface. <i>ChemCatChem</i> , 2019, 11, 2277-2282.	1.8	5
118	Direct Growth of Graphene Nanowalls on Inverted Pyramid Silicon for Schottky Junction Solar Cells. <i>ACS Applied Energy Materials</i> , 2021, 4, 6574-6584.	2.5	5
119	Design of $\text{In}_x\text{Ga}_{1-x}\text{As}$ buffer layers for epitaxial growth of high-quality $\text{In}_{0.3}\text{Ga}_{0.7}\text{As}$ films on GaAs substrates. <i>RSC Advances</i> , 2013, 3, 3973.	1.7	4
120	Electronic Structure of Lanthanide-Doped Bismuth Vanadates: A Systematic Study by X-ray Photoelectron and Optical Spectroscopies. <i>Journal of Physical Chemistry C</i> , 2019, 123, 8484-8499.	1.5	4
121	Revealing the Interaction of Charge Carrier-Phonon Coupling by Quantification of Electronic Properties at the $\text{SrTiO}_3/\text{TiO}_2$ Heterointerface. <i>Nano Letters</i> , 2022, 22, 2755-2761.	4.5	4
122	Determination of the crystal field and nature of x-ray linear dichroism for Co-O with local octahedral, tetrahedral, and tetragonal symmetries. <i>Physical Review B</i> , 2021, 104, .	1.1	3
123	Scanning tunneling microscopy investigation of growth of self-assembled indium and aluminum nanostructures on inert substrates. <i>Thin Solid Films</i> , 2009, 517, 4540-4547.	0.8	2
124	LEED and DFT structure determination of the $\sqrt{3}\times\sqrt{3}$ $\text{Pb}/\text{Ag}(111)$ surface alloy. <i>Journal of Physics Condensed Matter</i> , 2011, 23, 265006.	0.7	2
125	Initial-stage oriented-attachment one-dimensional assembly of nanocrystals: fundamental insight with a collision-recrystallization model. <i>RSC Advances</i> , 2015, 5, 54605-54612.	1.7	2
126	Modulation of the electronic states of perovskite $\text{SrCrO}_3$ thin films through protonation via low-energy hydrogen plasma implantation approaches. <i>Frontiers of Physics</i> , 2020, 15, 1.	2.4	2

#	ARTICLE	IF	CITATIONS
127	Manipulating the metal-to-insulator transition and magnetic properties in manganite thin films via epitaxial strain. <i>Physical Review B</i> , 2022, 105, .	1.1	2
128	Shape-Controlled Growth of Indium and Aluminum Nanostructures on MoS <sub>2</sub> (0001). <i>Journal of Nanoscience and Nanotechnology</i> , 2008, 8, 2707-2712.	0.9	1
129	A study of (111) oriented epitaxial thin films of In <sub>2</sub> O <sub>3</sub> on cubic Y-doped ZrO <sub>2</sub> by synchrotron based x-ray diffraction " <b>ERRATUM</b> ". <i>Journal of Materials Research</i> , 2012, 27, 2447-2447.	1.2	1
130	Gas convection in fuel cells: An overlooked factor. <i>Electrochimica Acta</i> , 2015, 176, 1476-1483.	2.6	1
131	Coordination-dependent surface strain and rational construction of robust structures. <i>Nanotechnology</i> , 2018, 29, 465708.	1.3	1
132	8â€5: <i>Invited Paper:</i> Pâ€Type Oxide Semiconductors for Displays: Material Design and Fieldâ€Effect Devices. <i>Digest of Technical Papers SID International Symposium</i> , 2021, 52, 92-95.	0.1	1
133	Pâ€1.4: Pâ€Type Oxide Semiconductors for Displays: Material Design and Fieldâ€Effect Devices. <i>Digest of Technical Papers SID International Symposium</i> , 2021, 52, 693-693.	0.1	0