Qihua Xiong

List of Publications by Citations

159 papers	8,644 citations	55 h-index	90 g-index
163 ext. papers	10,674 ext. citations	11.7 avg, IF	6.38 L-index

#	Paper	IF	Citations
159	Multi-Functional Layered WS2 Nanosheets for Enhancing the Performance of Lithium-Sulfur Batteries. *Advanced Energy Materials*, **2017**, 7, 1601843	21.8	395
158	Synthesis of Organic-Inorganic Lead Halide Perovskite Nanoplatelets: Towards High-Performance Perovskite Solar Cells and Optoelectronic Devices. *Advanced Optical Materials*, **2014**, 2, 838-844	8.1	316
157	Large-area synthesis of monolayer and few-layer MoSe2 films on SiO2 substrates. *Nano Letters*, **2014**, 14, 2419-25	11.5	312
156	Weak Van der Waals Stacking, Wide-Range Band Gap, and Raman Study on Ultrathin Layers of Metal Phosphorus Trichalcogenides. *ACS Nano*, **2016**, 10, 1738-43	16.7	273
155	Over 56.55% Faradaic efficiency of ambient ammonia synthesis enabled by positively shifting the reaction potential. *Nature Communications*, **2019**, 10, 341	17.4	244
154	A New Type of Multifunctional Polar Binder: Toward Practical Application of High Energy Lithium Sulfur Batteries. *Advanced Materials*, **2017**, 29, 1605160	24	239
153	Inhibiting Polysulfide Shuttling with a Graphene Composite Separator for Highly Robust Lithium-Sulfur Batteries. *Joule*, **2018**, 2, 2091-2104	27.8	226
152	Designing Safe Electrolyte Systems for a High-Stability Lithium-Sulfur Battery. *Advanced Energy Materials*, **2018**, 8, 1702348	21.8	210
151	Raman spectroscopy of atomically thin two-dimensional magnetic iron phosphorus trisulfide (FePS 3) crystals. *2D Materials*, **2016**, 3, 031009	5.9	199
150	A New Hydrophilic Binder Enabling Strongly Anchoring Polysulfides for High-Performance Sulfur Electrodes in Lithium-Sulfur Battery. *Advanced Energy Materials*, **2018**, 8, 1702889	21.8	194
149	Modulating Electronic Structures of Inorganic Nanomaterials for Efficient Electrocatalytic Water Splitting. *Angewandte Chemie - International Edition*, **2019**, 58, 4484-4502	16.4	194
148	Emerging in-plane anisotropic two-dimensional materials. *InformaMaterly*, **2019**, 1, 54-73	23.1	175
147	High-Performance Ultraviolet Photodetector Based on a Few-Layered 2D NiPS3 Nanosheet. *Advanced Functional Materials*, **2017**, 27, 1701342	15.6	170
146	Adsorption-Catalysis Design in the Lithium-Sulfur Battery. *Advanced Energy Materials*, **2020**, 10, 1903008	21.8	154
145	Atomic Interlamellar Ion Path in High Sulfur Content Lithium-Montmorillonite Host Enables High-Rate and Stable Lithium-Sulfur Battery. *Advanced Materials*, **2018**, 30, e1804084	24	151
144	Electronic and Optoelectronic Applications Based on 2D Novel Anisotropic Transition Metal Dichalcogenides. *Advanced Science*, **2017**, 4, 1700231	13.6	145
143	Vertical heterostructures based on SnSe 2 /MoS 2 for high performance photodetectors. *2D Materials*, **2017**, 4, 025048	5.9	143

142	Strategies toward High-Loading Lithium–Sulfur Battery. *Advanced Energy Materials*, **2020**, 10, 2000082	21.8	140
141	Booming Development of Group IV-VI Semiconductors: Fresh Blood of 2D Family. *Advanced Science*, **2016**, 3, 1600177	13.6	140
140	Porous Si Nanowires from Cheap Metallurgical Silicon Stabilized by a Surface Oxide Layer for Lithium Ion Batteries. *Advanced Functional Materials*, **2015**, 25, 6701-6709	15.6	138
139	Ultrahigh-Performance Self-Powered Flexible Double-Twisted Fibrous Broadband Perovskite Photodetector. *Advanced Materials*, **2018**, 30, e1706986	24	132
138	Design and fabrication of silicon nanowires towards efficient solar cells. *Nano Today*, **2016**, 11, 704-737	17.9	129
137	Sub-10 nm Nanopattern Architecture for 2D Material Field-Effect Transistors. *Nano Letters*, **2017**, 17, 1065-1070	11.5	126
136	TiO Feather Duster as Effective Polysulfides Restrictor for Enhanced Electrochemical Kinetics in Lithium-Sulfur Batteries. *Small*, **2017**, 13, 1701013	11	126
135	Identification of Key Reversible Intermediates in Self-Reconstructed Nickel-Based Hybrid Electrocatalysts for Oxygen Evolution. *Angewandte Chemie - International Edition*, **2019**, 58, 17458-17464	16.4	120
134	A New Member of Electrocatalysts Based on Nickel Metaphosphate Nanocrystals for Efficient Water Oxidation. *Advanced Materials*, **2018**, 30, 1705045	24	117
133	Enhanced Photoelectrochemical Performance from Rationally Designed Anatase/Rutile TiO2 Heterostructures. *ACS Applied Materials & Interfaces*, **2016**, 8, 12239-45	9.5	116
132	Direct impregnation of SeS2 into a MOF-derived 3D nanoporous Co□C architecture towards superior rechargeable lithium batteries. *Journal of Materials Chemistry A*, **2018**, 6, 10466-10473	13	101
131	Recent Progress on Surface Reconstruction of Earth-Abundant Electrocatalysts for Water Oxidation. *Small*, **2019**, 15, e1901980	11	99
130	A Nonflammable and Thermotolerant Separator Suppresses Polysulfide Dissolution for Safe and Long-Cycle Lithium-Sulfur Batteries. *Advanced Energy Materials*, **2018**, 8, 1802441	21.8	97
129	Self-Powered, Flexible, and Solution-Processable Perovskite Photodetector Based on Low-Cost Carbon Cloth. *Small*, **2017**, 13, 1701042	11	94
128	An artificial hybrid interphase for an ultrahigh-rate and practical lithium metal anode. *Energy and Environmental Science*, **2021**, 14, 4115-4124	35.4	94
127	Space-Confined Chemical Vapor Deposition Synthesis of Ultrathin HfS2 Flakes for Optoelectronic Application. *Advanced Functional Materials*, **2017**, 27, 1702918	15.6	90
126	Lithiophilic montmorillonite serves as lithium ion reservoir to facilitate uniform lithium deposition. *Nature Communications*, **2019**, 10, 4973	17.4	86
125	Cytomembrane-Structure-Inspired Active Ni-N-O Interface for Enhanced Oxygen Evolution Reaction. *Advanced Materials*, **2018**, 30, e1803367	24	84

124	A Novel Conductive Mesoporous Layer with a Dynamic Two-Step Deposition Strategy Boosts Efficiency of Perovskite Solar Cells to 20. *Advanced Materials*, **2018**, 30, e1801935	24	81
123	2D Nanomaterial Arrays for Electronics and Optoelectronics. *Advanced Functional Materials*, **2018**, 28, 1706559	15.6	80
122	Recent Advances in Halide Perovskite Photodetectors Based on Different Dimensional Materials. *Advanced Optical Materials*, **2018**, 6, 1701302	8.1	79
121	FeOx/FeP hybrid nanorods neutral hydrogen evolution electrocatalysis: insight into interface. *Journal of Materials Chemistry A*, **2018**, 6, 9467-9472	13	77
120	Epitaxial 2D PbS Nanoplates Arrays with Highly Efficient Infrared Response. *Advanced Materials*, **2016**, 28, 8051-8057	24	77
119	Enhanced photoelectrochemical performance of defect-rich ReS2 nanosheets in visible-light assisted hydrogen generation. *Nano Energy*, **2018**, 46, 305-313	17.1	72
118	Two-dimensional heterostructure promoted infrared photodetection devices. *Informa Materily*, **2019**, 1, 272-288	23.1	72
117	A Single-Step Hydrothermal Route to 3D Hierarchical Cu O/CuO/rGO Nanosheets as High-Performance Anode of Lithium-Ion Batteries. *Small*, **2018**, 14, 1702667	11	68
116	Sub-millimeter-Scale Growth of One-Unit-Cell-Thick Ferrimagnetic CrS Nanosheets. *Nano Letters*, **2019**, 19, 2154-2161	11.5	67
115	Heterostructured NiS/ZnInS Realizing Toroid-like LiO Deposition in Lithium-Oxygen Batteries with Low-Donor-Number Solvents. *ACS Nano*, **2020**, 14, 3490-3499	16.7	64
114	Three-dimensional hierarchical C-Co-N/Se derived from metal-organic framework as superior cathode for Li-Se batteries. *Journal of Power Sources*, **2017**, 363, 103-109	8.9	64
113	Atomic Structure Modification for Electrochemical Nitrogen Reduction to Ammonia. *Advanced Energy Materials*, **2020**, 10, 1903172	21.8	64
112	Carbon Quantum Dots Modified Interfacial Interactions and Ion Conductivity for Enhanced High Current Density Performance in Lithium Sulfur Batteries. *Advanced Energy Materials*, **2019**, 9, 1802955	21.8	64
111	Flexible cobalt phosphide network electrocatalyst for hydrogen evolution at all pH values. *Nano Research*, **2017**, 10, 1010-1020	10	63
110	2D Group IVB Transition Metal Dichalcogenides. *Advanced Functional Materials*, **2018**, 28, 1803305	15.6	63
109	Optical tuning and ultrafast dynamics of high-temperature superconducting terahertz metamaterials. *Nanophotonics*, **2012**, 1, 117-123	6.3	63
108	Phosphate-Based Electrocatalysts for Water Splitting: Recent Progress. *ChemElectroChem*, **2018**, 5, 3822-3834	4	63
107	Graphene quantum dots as the nucleation sites and interfacial regulator to suppress lithium dendrites for high-loading lithium-sulfur battery. *Nano Energy*, **2020**, 68, 104373	17.1	61

106	Modulating the d-band center of boron doped single-atom sites to boost the oxygen reduction reaction. *Journal of Materials Chemistry A*, **2019**, 7, 20952-20957	13	60
105	Highly Efficient PVDF-HFP/Colloidal Alumina Composite Separator for High-Temperature Lithium-Ion Batteries. *Advanced Materials Interfaces*, **2018**, 5, 1701147	4.6	59
104	TiO Phase Junction Electron Transport Layer Boosts Efficiency of Planar Perovskite Solar Cells. *Advanced Science*, **2018**, 5, 1700614	13.6	54
103	Large-Scale Ultrathin 2D Wide-Bandgap BiOBr Nanoflakes for Gate-Controlled Deep-Ultraviolet Phototransistors. *Advanced Materials*, **2020**, 32, e1908242	24	47
102	Tailoring Optical Properties of Silicon Nanowires by Au Nanostructure Decorations: Enhanced Raman Scattering and Photodetection. *Journal of Physical Chemistry C*, **2012**, 116, 4416-4422	3.8	47
101	Optimizing Redox Reactions in Aprotic Lithium–Sulfur Batteries. *Advanced Energy Materials*, **2020**, 10, 2002180	21.8	45
100	Plasmonic Hot Carriers-Controlled Second Harmonic Generation in WSe Bilayers. *Nano Letters*, **2018** , 18, 1686-1692	11.5	44
99	Intermediate bosonic metallic state in the superconductor-insulator transition. *Science*, **2019**, 366, 1505-1509	3[illegible]9	42
98	Low-dimensional nanomaterial/Si heterostructure-based photodetectors. *Informa[illegible]Materi[illegible]y*, **2019**, 1, 140	23.1	38
97	TiO 2 nanowire array as a polar absorber for high-performance lithium-sulfur batteries. *Electrochimica Acta*, **2018**, 264, 20-25	6.7	38
96	Updating the Intrinsic Activity of a Single-Atom Site with a P-O Bond for a Rechargeable Zn-Air Battery. *ACS Applied Materials & Interfaces*, **2019**, 11, 33054-33061	9.5	37
95	Self-Confined Growth of Ultrathin 2D Nonlayered Wide-Bandgap Semiconductor CuBr Flakes. *Advanced Materials*, **2019**, 31, e1903580	24	37
94	High-Performance SERS Substrate Based on Hierarchical 3D Cu Nanocrystals with Efficient Morphology Control. *Small*, **2018**, 14, e1802477	11	34
93	An Efficient Separator with Low Li-Ion Diffusion Energy Barrier Resolving Feeble Conductivity for Practical Lithium–Sulfur Batteries. *Advanced Energy Materials*, **2019**, 9, 1901800	21.8	33
92	Room Temperature Ferrimagnetism and Ferroelectricity in Strained, Thin Films of BiFeMnO. *Advanced Functional Materials*, **2014**, 24, 7478-7487	15.6	33
91	Boosting Oxygen Dissociation over Bimetal Sites to Facilitate Oxygen Reduction Activity of Zinc-Air Battery. *Advanced Functional Materials*, **2021**, 31, 2006533	15.6	32
90	An Upgraded Lithium Ion Battery Based on a Polymeric Separator Incorporated with Anode Active Materials. *Advanced Energy Materials*, **2019**, 9, 1803627	21.8	31
89	Performance Limits of the Self-Aligned Nanowire Top-Gated MoS2 Transistors. *Advanced Functional Materials*, **2017**, 27, 1602250	15.6	31

88	In Situ Formed Gradient Bandgap-Tunable Perovskite for Ultrahigh-Speed Color/Spectrum-Sensitive Photodetectors via Electron-Donor Control. *Advanced Materials*, **2020**, 32, e1908108	24	30
87	In-situ formed NiS/Ni coupled interface for efficient oxygen evolution and hydrogen evolution. *Journal of Materials Science and Technology*, **2020**, 42, 10-16	9.1	30
86	Carbon-Tungsten Disulfide Composite Bilayer Separator for High-Performance Lithium-Sulfur Batteries. *ACS Applied Materials & Interfaces*, **2018**, 10, 39417-39421	9.5	30
85	Ultrabroadband Photodetectors up to 10.6 μm Based on 2D Fe O Nanosheets. *Advanced Materials*, **2020**, 32, e2002237	24	29
84	A novel process for CeO2single buffer layer on biaxially textured metal substrates in YBCO coated conductors. *Superconductor Science and Technology*, **2006**, 19, 1068-1072	3.1	29
83	High-resolution XRD study of stress-modulated YBCO films with various thicknesses. *Journal of Crystal Growth*, **2007**, 300, 364-367	1.6	27
82	Modulierung der elektronischen Strukturen anorganischer Nanomaterialien für eine effiziente elektrokatalytische Wasserspaltung. *Angewandte Chemie*, **2019**, 131, 4532-4551	3.6	27
81	A Novel Polar Copolymer Design as a Multi-Functional Binder for Strong Affinity of Polysulfides in Lithium-Sulfur Batteries. *Nanoscale Research Letters*, **2017**, 12, 195	5	26
80	Graded Bandgap Perovskite with Intrinsic np Homojunction Expands Photon Harvesting Range and Enables All Transport Layer-Free Perovskite Solar Cells. *Advanced Energy Materials*, **2020**, 10, 1903347	21.8	26
79	Genetic engineering of porous sulfur species with molecular target prevents host passivation in lithium sulfur batteries. *Energy Storage Materials*, **2020**, 26, 65-72	19.4	24
78	Composition and Energy Band Modified Commercial FTO Substrate for In Situ Formed Highly Efficient Electron Transport Layer in Planar Perovskite Solar Cells. *Advanced Functional Materials*, **2019**, 29, 1808667	15.6	23
77	Effect of processing conditions and methods on residual stress in CeO2 buffer layers and YBCO superconducting films. *Physica C: Superconductivity and Its Applications*, **2006**, 442, 124-128	1.3	23
76	Ultrafast Broadband Charge Collection from Clean Graphene/CHNHPbI Interface. *Journal of the American Chemical Society*, **2018**, 140, 14952-14957	16.4	21
75	Sulfur-Doped Rhenium Selenide Vertical Nanosheets: A High-Performance Electrocatalyst for Hydrogen Evolution. *ChemCatChem*, **2018**, 10, 4424-4430	5.2	20
74	Identification of Key Reversible Intermediates in Self-Reconstructed Nickel-Based Hybrid Electrocatalysts for Oxygen Evolution. *Angewandte Chemie*, **2019**, 131, 17619-17625	3.6	20
73	A highly-efficient route to three-dimensional nanoporous copper leaves with high surface enhanced Raman scattering properties. *Chemical Engineering Journal*, **2017**, 321, 394-400	14.7	19
72	Recent Advances in 2D Superconductors. *Advanced Materials*, **2021**, 33, e2006124	24	19
71	Organosulfur Compounds Enable Uniform Lithium Plating and Long-Term Battery Cycling Stability. *Nano Letters*, **2020**, 20, 2594-2601	11.5	18

70	Nonlayered CdSe Flakes Homojunctions. *Advanced Functional Materials*, **2020**, 30, 1908902	15.6	18
69	Influence of film thickness in THz active metamaterial devices: A comparison between superconductor and metal split-ring resonators. *Applied Physics Letters*, **2013**, 103, 061117	3.4	18
68	Reel-to-reel deposition of epitaxial double-sided Y2O3 buffer layers for coated conductors. *Physica C: Superconductivity and Its Applications*, **2012**, 476, 48-53	1.3	17
67	Novel NiO Nanoforest Architecture for Efficient Inverted Mesoporous Perovskite Solar Cells. *ACS Applied Materials & Interfaces*, **2019**, 11, 44308-44314	9.5	15
66	Composite nanofibers through in-situ reduction with abundant active sites as flexible and stable anode for lithium ion batteries. *Composites Part B: Engineering*, **2019**, 161, 369-375	10	15
65	2D Polarized Materials: Ferromagnetic, Ferrovalley, Ferroelectric Materials, and Related Heterostructures. *Advanced Materials*, **2021**, 33, e2004469	24	15
64	Characteristics of the Energetic Igniters Through Integrating Al/NiO Nanolaminates on Cr Film Bridge. *Nanoscale Research Letters*, **2015**, 10, 504	5	14
63	Fabrication of long-length ion beam-assisted deposited MgO templates for YBCO-coated conductors. *Rare Metals*, **2013**, 32, 574-578	5.5	14
62	Temperature-Modulated Growth of MOCVD-Derived YBa2Cu3O7⊠ Films on IBAD-MgO Templates. *Journal of Superconductivity and Novel Magnetism*, **2015**, 28, 2697-2702	1.5	13
61	Interfacial Capillary-Force-Driven Self-Assembly of Monolayer Colloidal Crystals for Supersensitive Plasmonic Sensors. *Small*, **2020**, 16, e1905480	11	13
60	Record-Low Subthreshold-Swing Negative-Capacitance 2D Field-Effect Transistors. *Advanced Materials*, **2020**, 32, e2005353	24	13
59	Giant enhancement of optical nonlinearity in two-dimensional materials by multiphoton-excitation resonance energy transfer from quantum dots. *Nature Photonics*,	33.9	13
58	Growth of simplified buffer template on flexible metallic substrates for YBa2Cu3O coated conductors. *Journal of Alloys and Compounds*, **2016**, 673, 47-53	5.7	12
57	Characteristics of the Energetic Igniters Through Integrating B/Ti Nano-Multilayers on TaN Film Bridge. *Nanoscale Research Letters*, **2015**, 10, 934	5	12
56	Ferroelectric polarization accelerates lithium-ion diffusion for dendrite-free and highly-practical lithium-metal batteries. *Nano Energy*, **2021**, 79, 105481	17.1	12
55	Realizing Stable Artificial Photon Energy Harvesting Based on Perovskite Solar Cells for Diverse Applications. *Small*, **2020**, 16, e1906681	11	11
54	Interface-Coupled BiFeO3/BiMnO3 Superlattices with Magnetic Transition Temperature up to 410 K. *Advanced Materials Interfaces*, **2016**, 3, 1500597	4.6	11
53	3D Printed Li⊠ Batteries with In Situ Decorated Li2S/C Cathode: Interface Engineering Induced Loading-Insensitivity for Scaled Areal Performance. *Advanced Energy Materials*, **2021**, 11, 2100420	21.8	11

52	Strong-coupled hybrid structure of carbon nanotube and MoS monolayer with ultrafast interfacial charge transfer. *Nanoscale*, **2019**, 11, 17195-17200	7.7	10
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50	Three-dimensional twisted fiber composite as high-loading cathode support for lithium sulfur batteries. *Composites Part B: Engineering*, **2019**, 174, 107025	10	9
49	Double-sided reel-to-reel metal-organic chemical vapor deposition system of YBa2Cu3O7- thin films. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **2014**, 32, 041512	2.9	9
48	Morphology evolvement of CeO2 cap layer for coated conductors. *Applied Surface Science*, **2012**, 263, 508-512	6.7	9
47	Self-heating technique of metallic substrate for reel-to-reel and double-sided deposition of YBa2Cu3O7 films. *Applied Physics A: Materials Science and Processing*, **2016**, 122, 1	2.6	8
46	Epitaxial growth of MOCVD-derived YBCO films by modulation of Cu(tmhd)2 concentration. *Rare Metals*, **2014**, 33, 70-74	5.5	8
45	Strong intermolecular polarization to boost polysulfide conversion kinetics for high-performance lithium sulfur batteries. *Journal of Materials Chemistry A*, **2021**, 9, 9771-9779	13	8
44	A high-efficiency electrocatalyst for hydrogen evolution based on tree-like amorphous MoS2 nanostructures prepared by glancing angle deposition. *Journal of Solid State Chemistry*, **2020**, 286, 121255	3.3	7
43	Epitaxial Growth and Characterization of RF-Sputtered LaMnO3 Cap Layers on Homo-Epi MgO/IBAD MgO Templates. *Journal of Superconductivity and Novel Magnetism*, **2014**, 27, 543-546	1.5	7
42	Ferromagnetic-Antiferromagnetic Coupling by Distortion of Fe/Mn Oxygen Octahedrons in (BiFeO) (La Sr MnO) Superlattices. *Small*, **2017**, 13, 1700107	11	6
41	Microstructure modification of La2Zr2O7 buffer films for coated conductors by metal organic decomposition. *Journal of Materials Science: Materials in Electronics*, **2013**, 24, 1546-1550	2.1	6
40	Tailoring the crystallographic orientation of MOD-derived La2Zr2O7 buffer layers for coated conductors. *Physica C: Superconductivity and Its Applications*, **2013**, 492, 103-106	1.3	6
39	Tailoring surface roughness of LaMnO3 buffer layers for YBCO-coated conductors. *Rare Metals*, **2015**, 34, 859-863	5.5	6
38	Deposition of high-textured buffer layers for YBCO coated conductors by all-IPAT-process. *Physica C: Superconductivity and Its Applications*, **2007**, 454, 56-60	1.3	6
37	Heat-Resistant Trilayer Separators for High-Performance Lithium-Ion Batteries. *Physica Status Solidi - Rapid Research Letters*, **2020**, 14, 1900504	2.5	6
36	Development of mid-frequency AC reactive magnetron sputtering for fast deposition of Y2O3 buffer layers. *Physica C: Superconductivity and Its Applications*, **2014**, 497, 38-42	1.3	5
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34	Thickness Effect on the Structural and Electrical Properties of Sputtered YBCO Coated Conductors. *IEEE Transactions on Applied Superconductivity*, **2011**, 21, 2945-2948	1.8	5
33	Eliminating anion depletion region and promoting Li+ solvation via anionphilic metal organic framework for dendrite-free lithium deposition. *Nano Energy*, **2022**, 92, 106708	17.1	5
32	Preparation and Characterization of TiN Seed Layer in All-Conductive Multilayer Structure for Coated Conductors. *Journal of Superconductivity and Novel Magnetism*, **2014**, 27, 871-875	1.5	4
31	Electronic and Photoelectronic Memristors Based on 2D Materials. *Advanced Electronic Materials*,2101099	6.4	4
30	Coupling enhancement mechanisms, materials, and strategies for surface-enhanced Raman scattering devices. *Analyst, The*, **2021**, 146, 5008-5032	5	4
29	Epitaxial Growth and Characterization of Mid-frequency AC Reactive Magnetron Sputtered LaMnO3 Cap Layer on MgO Templates. *Journal of Superconductivity and Novel Magnetism*, **2016**, 29, 1861-1864	1.5	3
28	Strong pinning in YBa 2 Cu 3 O 7 Films with SDP-derived amorphous Y 2 O 3 layers. *Physica C: Superconductivity and Its Applications*, **2014**, 507, 31-34	1.3	3
27	COMPARISON ON THE EFFECT OF SrRuO3 AND La0.5Sr0.5CoO3 BOTTOM ELECTRODE ON DIELECTRIC PROPERTIES OF Ba0.6Sr0.4TiO3 THIN FILMS PREPARED BY PULSED LASER DEPOSITION. *Surface Review and Letters*, **2009**, 16, 493-497	1.1	3
26	Structure and dielectric characteristics of epitaxially strained BaTiO3 thin films. *Journal of Materials Science: Materials in Electronics*, **2008**, 19, 466-470	2.1	3
25	Low Field Gradient and Highly Enhanced Plasmonic Nanocavity Array for Supersensitive Determination of Multiple Hazardous Chemical Residues. *Journal of Physical Chemistry C*, **2021**, 125, 4710-4719	3.8	3
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23	Investigations on the effect of current density on SiO/Si composite electrodes. *Electrochimica Acta*, **2021**, 393, 139072	6.7	3
22	MOCVD-derived multilayer Gd0.5Y0.5Ba2Cu3O7 films based on a novel heating method. *Superconductor Science and Technology*, **2017**, 30, 025023	3.1	2
21	Li-S Batteries: A New Type of Multifunctional Polar Binder: Toward Practical Application of High Energy Lithium Sulfur Batteries (Adv. Mater. 12/2017). *Advanced Materials*, **2017**, 29,	24	2
20	Nano-structured optical hetero-coatings for ultraviolet protection. *Materials Letters*, **2015**, 152, 290-292	3.3	2
19	Modulation of carrier lifetime in MoS2 monolayer by uniaxial strain. *Chinese Physics B*, **2020**, 29, 077201	1.2	2
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17	The Effects of Grain Boundaries on the Current Transport Properties in YBCO-Coated Conductors. *Nanoscale Research Letters*, **2015**, 10, 416	5	2

16	The Influence of Surface Morphology of Buffer Layer on the Critical Current Density in YBCO Coated Conductors. *Advances in Condensed Matter Physics*, **2013**, 2013, 1-6	1	2
15	Signatures of a strange metal in a bosonic system.. *Nature*, **2022**, 601, 205-210	50.4	2
14	Fabrication and characterization of NiO films for energetic nano-multilayers by direct current reactive sputtering. *Rare Metals*, **2018**, 37, 594-598	5.5	1
13	Microstructure and properties of MOCVD-derived Gd x Y1 Ba2Cu3O7 films with composition fluctuations. *Rare Metals*, **2018**, 37, 675-681	5.5	1
12	Reel-to-reel deposition of epitaxial double-sided MgO buffer layers for coated conductors. *Physica C: Superconductivity and Its Applications*, **2016**, 525-526, 5-9	1.3	1
11	MOCVD derived double-sided YBa2Cu3O7 films on Y2O3/YSZ/CeO2 buffered textured metal substrates. *Science China Technological Sciences*, **2014**, 57, 720-724	3.5	1
10	Chemical Solution Route to Thin Epitaxial Gallium Nitride Films. *Chemistry Letters*, **2014**, 43, 447-449	1.7	1
9	A Novel All-Conductive Architecture on Biaxially Textured Metal Substrates for YBCO Coated Conductors. *Journal of Superconductivity and Novel Magnetism*, **2013**, 26, 495-498	1.5	1
8	Decomposition and Oriented Growth ofYBa2Cu3O7-xFilms Prepared with Low Fluorine TFA-MOD Approach. *Advances in Condensed Matter Physics*, **2013**, 2013, 1-5	1	1
7	Reel-to-reel continuous deposition of CexZr1-xO2single buffer layer for YBCO coated conductors. *Journal of Physics: Conference Series*, **2009**, 153, 012036	0.3	1
6	A new strategy for efficient light management in inverted perovskite solar cell. *Chemical Engineering Journal*, **2022**, 439, 135703	14.7	1
5	Preparation of Double-Sided MgO Template for YB2Cu3O7- Coated Conductors. *IEEE Transactions on Applied Superconductivity*, **2017**, 27, 1-5	1.8	0
4	Growth mechanism evolvement influence on out-of-plane texture of Y2O3 seed layer for coated conductors. *Journal of Crystal Growth*, **2016**, 438, 5-10	1.6	
3	Effects of Cu/Ba Ratio in Precursor on MOCVD-Deposited YBa2Cu3O7-x Films on YYC Buffered Ni-W Alloy Tape. *Advanced Materials Research*, **2014**, 1082, 95-99	0.5	
2	Characterisation of YSZ Layers Deposited on Y2O3 Buffered Textured Tapes for Coated Conductors. *Materials Science Forum*, **2014**, 787, 425-430	0.4	
1	Single cerium zirconate buffer layer on biaxially textured metal substrates for high performance coated conductors. *Journal of Materials Science*, **2011**, 46, 238-242	4.3	