

Qihua Xiong

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Signatures of a strange metal in a bosonic system.. <i>Nature</i> , 2022 , 601, 205-210	50.4	2
158	Eliminating anion depletion region and promoting Li ⁺ solvation via anionphilic metal organic framework for dendrite-free lithium deposition. <i>Nano Energy</i> , 2022 , 92, 106708	17.1	5
157	A new strategy for efficient light management in inverted perovskite solar cell. <i>Chemical Engineering Journal</i> , 2022 , 439, 135703	14.7	1
156	Recent Advances in 2D Superconductors. <i>Advanced Materials</i> , 2021 , 33, e2006124	24	19
155	3D Printed LiS Batteries with In Situ Decorated Li ₂ S/C Cathode: Interface Engineering Induced Loading-Insensitivity for Scaled Areal Performance. <i>Advanced Energy Materials</i> , 2021 , 11, 2100420	21.8	11
154	Boosting Oxygen Dissociation over Bimetal Sites to Facilitate Oxygen Reduction Activity of Zinc-Air Battery. <i>Advanced Functional Materials</i> , 2021 , 31, 2006533	15.6	32
153	Ferroelectric polarization accelerates lithium-ion diffusion for dendrite-free and highly-practical lithium-metal batteries. <i>Nano Energy</i> , 2021 , 79, 105481	17.1	12
152	2D Polarized Materials: Ferromagnetic, Ferrovalley, Ferroelectric Materials, and Related Heterostructures. <i>Advanced Materials</i> , 2021 , 33, e2004469	24	15
151	An artificial hybrid interphase for an ultrahigh-rate and practical lithium metal anode. <i>Energy and Environmental Science</i> , 2021 , 14, 4115-4124	35.4	94
150	Strong intermolecular polarization to boost polysulfide conversion kinetics for high-performance lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 9771-9779	13	8
149	Low Field Gradient and Highly Enhanced Plasmonic Nanocavity Array for Supersensitive Determination of Multiple Hazardous Chemical Residues. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 4710-4719	2.8	3
148	Ion-Inserted Metal-Organic Frameworks Accelerate the Mass Transfer Kinetics in Lithium-Sulfur Batteries. <i>Small</i> , 2021 , 17, e2104367	11	3
147	Investigations on the effect of current density on SiO/Si composite electrodes. <i>Electrochimica Acta</i> , 2021 , 393, 139072	6.7	3
146	Coupling enhancement mechanisms, materials, and strategies for surface-enhanced Raman scattering devices. <i>Analyst, The</i> , 2021 , 146, 5008-5032	5	4
145	Ultrabroadband Photodetectors up to 10.6 μ m Based on 2D Fe O Nanosheets. <i>Advanced Materials</i> , 2020 , 32, e2002237	24	29
144	Modulation of carrier lifetime in MoS ₂ monolayer by uniaxial strain. <i>Chinese Physics B</i> , 2020 , 29, 077201	1.2	2
143	Strategies toward High-Loading Lithium-Sulfur Battery. <i>Advanced Energy Materials</i> , 2020 , 10, 2000082	21.8	140

142	Organosulfur Compounds Enable Uniform Lithium Plating and Long-Term Battery Cycling Stability. <i>Nano Letters</i> , 2020 , 20, 2594-2601	11.5	18
141	Heterostructured NiS/ZnInS Realizing Toroid-like LiO Deposition in Lithium-Oxygen Batteries with Low-Donor-Number Solvents. <i>ACS Nano</i> , 2020 , 14, 3490-3499	16.7	64
140	Large-Scale Ultrathin 2D Wide-Bandgap BiOBr Nanoflakes for Gate-Controlled Deep-Ultraviolet Phototransistors. <i>Advanced Materials</i> , 2020 , 32, e1908242	24	47
139	In Situ Formed Gradient Bandgap-Tunable Perovskite for Ultrahigh-Speed Color/Spectrum-Sensitive Photodetectors via Electron-Donor Control. <i>Advanced Materials</i> , 2020 , 32, e1908108	24	30
138	A high-efficiency electrocatalyst for hydrogen evolution based on tree-like amorphous MoS ₂ nanostructures prepared by glancing angle deposition. <i>Journal of Solid State Chemistry</i> , 2020 , 286, 121233	33	7
137	Realizing Stable Artificial Photon Energy Harvesting Based on Perovskite Solar Cells for Diverse Applications. <i>Small</i> , 2020 , 16, e1906681	11	11
136	Interfacial Capillary-Force-Driven Self-Assembly of Monolayer Colloidal Crystals for Supersensitive Plasmonic Sensors. <i>Small</i> , 2020 , 16, e1905480	11	13
135	Nonlayered CdSe Flakes Homojunctions. <i>Advanced Functional Materials</i> , 2020 , 30, 1908902	15.6	18
134	Graded Bandgap Perovskite with Intrinsic n-p Homojunction Expands Photon Harvesting Range and Enables All Transport Layer-Free Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2020 , 10, 1903347	21.8	26
133	In-situ formed NiS/Ni coupled interface for efficient oxygen evolution and hydrogen evolution. <i>Journal of Materials Science and Technology</i> , 2020 , 42, 10-16	9.1	30
132	Genetic engineering of porous sulfur species with molecular target prevents host passivation in lithium sulfur batteries. <i>Energy Storage Materials</i> , 2020 , 26, 65-72	19.4	24
131	Adsorption-Catalysis Design in the Lithium-Sulfur Battery. <i>Advanced Energy Materials</i> , 2020 , 10, 1903008	21.8	154
130	Atomic Structure Modification for Electrochemical Nitrogen Reduction to Ammonia. <i>Advanced Energy Materials</i> , 2020 , 10, 1903172	21.8	64
129	Graphene quantum dots as the nucleation sites and interfacial regulator to suppress lithium dendrites for high-loading lithium-sulfur battery. <i>Nano Energy</i> , 2020 , 68, 104373	17.1	61
128	Optimizing Redox Reactions in Aprotic Lithium Sulfur Batteries. <i>Advanced Energy Materials</i> , 2020 , 10, 2002180	21.8	45
127	Record-Low Subthreshold-Swing Negative-Capacitance 2D Field-Effect Transistors. <i>Advanced Materials</i> , 2020 , 32, e2005353	24	13
126	Heat-Resistant Trilayer Separators for High-Performance Lithium-Ion Batteries. <i>Physica Status Solidi - Rapid Research Letters</i> , 2020 , 14, 1900504	2.5	6
125	Over 56.55% Faradaic efficiency of ambient ammonia synthesis enabled by positively shifting the reaction potential. <i>Nature Communications</i> , 2019 , 10, 341	17.4	244

124	Composition and Energy Band Modified Commercial FTO Substrate for In Situ Formed Highly Efficient Electron Transport Layer in Planar Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2019 , 29, 1808667	15.6	23
123	Low-dimensional nanomaterial/Si heterostructure-based photodetectors. <i>Information Materials</i> , 2019 , 1, 140	23.1	38
122	Three-dimensional twisted fiber composite as high-loading cathode support for lithium sulfur batteries. <i>Composites Part B: Engineering</i> , 2019 , 174, 107025	10	9
121	Emerging in-plane anisotropic two-dimensional materials. <i>Information Materials</i> , 2019 , 1, 54-73	23.1	175
120	Sub-millimeter-Scale Growth of One-Unit-Cell-Thick Ferrimagnetic CrS Nanosheets. <i>Nano Letters</i> , 2019 , 19, 2154-2161	11.5	67
119	An Upgraded Lithium Ion Battery Based on a Polymeric Separator Incorporated with Anode Active Materials. <i>Advanced Energy Materials</i> , 2019 , 9, 1803627	21.8	31
118	Modulating the d-band center of boron doped single-atom sites to boost the oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 20952-20957	13	60
117	Updating the Intrinsic Activity of a Single-Atom Site with a P-O Bond for a Rechargeable Zn-Air Battery. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 33054-33061	9.5	37
116	Strong-coupled hybrid structure of carbon nanotube and MoS monolayer with ultrafast interfacial charge transfer. <i>Nanoscale</i> , 2019 , 11, 17195-17200	7.7	10
115	Two-dimensional heterostructure promoted infrared photodetection devices. <i>Information Materials</i> , 2019 , 1, 272-288	23.1	72
114	Self-Confined Growth of Ultrathin 2D Nonlayered Wide-Bandgap Semiconductor CuBr Flakes. <i>Advanced Materials</i> , 2019 , 31, e1903580	24	37
113	Recent Progress on Surface Reconstruction of Earth-Abundant Electrocatalysts for Water Oxidation. <i>Small</i> , 2019 , 15, e1901980	11	99
112	An Efficient Separator with Low Li-Ion Diffusion Energy Barrier Resolving Feeble Conductivity for Practical Lithium Sulfur Batteries. <i>Advanced Energy Materials</i> , 2019 , 9, 1901800	21.8	33
111	Identification of Key Reversible Intermediates in Self-Reconstructed Nickel-Based Hybrid Electrocatalysts for Oxygen Evolution. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 17458-17464	16.4	120
110	Novel NiO Nanoforest Architecture for Efficient Inverted Mesoporous Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 44308-44314	9.5	15
109	Intermediate bosonic metallic state in the superconductor-insulator transition. <i>Science</i> , 2019 , 366, 1505-1509	35.9	42
108	Identification of Key Reversible Intermediates in Self-Reconstructed Nickel-Based Hybrid Electrocatalysts for Oxygen Evolution. <i>Angewandte Chemie</i> , 2019 , 131, 17619-17625	3.6	20
107	Lithiophilic montmorillonite serves as lithium ion reservoir to facilitate uniform lithium deposition. <i>Nature Communications</i> , 2019 , 10, 4973	17.4	86

106	Composite nanofibers through in-situ reduction with abundant active sites as flexible and stable anode for lithium ion batteries. <i>Composites Part B: Engineering</i> , 2019 , 161, 369-375	10	15
105	Carbon Quantum Dots Modified Interfacial Interactions and Ion Conductivity for Enhanced High Current Density Performance in Lithium Sulfur Batteries. <i>Advanced Energy Materials</i> , 2019 , 9, 1802955	21.8	64
104	Modulierung der elektronischen Strukturen anorganischer Nanomaterialien für eine effiziente elektrokatalytische Wasserspaltung. <i>Angewandte Chemie</i> , 2019 , 131, 4532-4551	3.6	27
103	Modulating Electronic Structures of Inorganic Nanomaterials for Efficient Electrocatalytic Water Splitting. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 4484-4502	16.4	194
102	Ultrahigh-Performance Self-Powered Flexible Double-Twisted Fibrous Broadband Perovskite Photodetector. <i>Advanced Materials</i> , 2018 , 30, e1706986	24	132
101	Recent Advances in Halide Perovskite Photodetectors Based on Different Dimensional Materials. <i>Advanced Optical Materials</i> , 2018 , 6, 1701302	8.1	79
100	TiO ₂ nanowire array as a polar absorber for high-performance lithium-sulfur batteries. <i>Electrochimica Acta</i> , 2018 , 264, 20-25	6.7	38
99	Enhanced photoelectrochemical performance of defect-rich ReS ₂ nanosheets in visible-light assisted hydrogen generation. <i>Nano Energy</i> , 2018 , 46, 305-313	17.1	72
98	Plasmonic Hot Carriers-Controlled Second Harmonic Generation in WSe ₂ Bilayers. <i>Nano Letters</i> , 2018 , 18, 1686-1692	11.5	44
97	Designing Safe Electrolyte Systems for a High-Stability Lithium Sulfur Battery. <i>Advanced Energy Materials</i> , 2018 , 8, 1702348	21.8	210
96	2D Nanomaterial Arrays for Electronics and Optoelectronics. <i>Advanced Functional Materials</i> , 2018 , 28, 1706559	15.6	80
95	A New Hydrophilic Binder Enabling Strongly Anchoring Polysulfides for High-Performance Sulfur Electrodes in Lithium-Sulfur Battery. <i>Advanced Energy Materials</i> , 2018 , 8, 1702889	21.8	194
94	TiO ₂ Phase Junction Electron Transport Layer Boosts Efficiency of Planar Perovskite Solar Cells. <i>Advanced Science</i> , 2018 , 5, 1700614	13.6	54
93	Highly Efficient PVDF-HFP/Colloidal Alumina Composite Separator for High-Temperature Lithium-Ion Batteries. <i>Advanced Materials Interfaces</i> , 2018 , 5, 1701147	4.6	59
92	Direct impregnation of SeS ₂ into a MOF-derived 3D nanoporous Co ₉ S ₈ architecture towards superior rechargeable lithium batteries. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 10466-10473	13	101
91	FeOx/FeP hybrid nanorods neutral hydrogen evolution electrocatalysis: insight into interface. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 9467-9472	13	77
90	Fabrication and characterization of NiO films for energetic nano-multilayers by direct current reactive sputtering. <i>Rare Metals</i> , 2018 , 37, 594-598	5.5	1
89	Microstructure and properties of MOCVD-derived Gd _x Y _{1-x} Ba ₂ Cu ₃ O _{7-δ} films with composition fluctuations. <i>Rare Metals</i> , 2018 , 37, 675-681	5.5	1

88	2D Group IVB Transition Metal Dichalcogenides. <i>Advanced Functional Materials</i> , 2018 , 28, 1803305	15.6	63
87	Sulfur-Doped Rhenium Selenide Vertical Nanosheets: A High-Performance Electrocatalyst for Hydrogen Evolution. <i>ChemCatChem</i> , 2018 , 10, 4424-4430	5.2	20
86	Cytomembrane-Structure-Inspired Active Ni-N-O Interface for Enhanced Oxygen Evolution Reaction. <i>Advanced Materials</i> , 2018 , 30, e1803367	24	84
85	Atomic Interlamellar Ion Path in High Sulfur Content Lithium-Montmorillonite Host Enables High-Rate and Stable Lithium-Sulfur Battery. <i>Advanced Materials</i> , 2018 , 30, e1804084	24	151
84	High-Performance SERS Substrate Based on Hierarchical 3D Cu Nanocrystals with Efficient Morphology Control. <i>Small</i> , 2018 , 14, e1802477	11	34
83	A New Member of Electrocatalysts Based on Nickel Metaphosphate Nanocrystals for Efficient Water Oxidation. <i>Advanced Materials</i> , 2018 , 30, 1705045	24	117
82	A Single-Step Hydrothermal Route to 3D Hierarchical Cu O/CuO/rGO Nanosheets as High-Performance Anode of Lithium-Ion Batteries. <i>Small</i> , 2018 , 14, 1702667	11	68
81	A Nonflammable and Thermotolerant Separator Suppresses Polysulfide Dissolution for Safe and Long-Cycle Lithium-Sulfur Batteries. <i>Advanced Energy Materials</i> , 2018 , 8, 1802441	21.8	97
80	Phosphate-Based Electrocatalysts for Water Splitting: Recent Progress. <i>ChemElectroChem</i> , 2018 , 5, 3822-3834	4.9	63
79	Inhibiting Polysulfide Shuttling with a Graphene Composite Separator for Highly Robust Lithium-Sulfur Batteries. <i>Joule</i> , 2018 , 2, 2091-2104	27.8	226
78	Carbon-Tungsten Disulfide Composite Bilayer Separator for High-Performance Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 39417-39421	9.5	30
77	Ultrafast Broadband Charge Collection from Clean Graphene/CHNHPbI Interface. <i>Journal of the American Chemical Society</i> , 2018 , 140, 14952-14957	16.4	21
76	A Novel Conductive Mesoporous Layer with a Dynamic Two-Step Deposition Strategy Boosts Efficiency of Perovskite Solar Cells to 20. <i>Advanced Materials</i> , 2018 , 30, e1801935	24	81
75	Flexible cobalt phosphide network electrocatalyst for hydrogen evolution at all pH values. <i>Nano Research</i> , 2017 , 10, 1010-1020	10	63
74	MOCVD-derived multilayer Gd _{0.5} Y _{0.5} Ba ₂ Cu ₃ O _{7-x} films based on a novel heating method. <i>Superconductor Science and Technology</i> , 2017 , 30, 025023	3.1	2
73	Sub-10 nm Nanopattern Architecture for 2D Material Field-Effect Transistors. <i>Nano Letters</i> , 2017 , 17, 1065-1070	11.5	126
72	Ferromagnetic-Antiferromagnetic Coupling by Distortion of Fe/Mn Oxygen Octahedrons in (BiFeO ₃) _{1-x} (La _{1-x} Sr _x MnO ₃) Superlattices. <i>Small</i> , 2017 , 13, 1700107	11	6
71	A New Type of Multifunctional Polar Binder: Toward Practical Application of High Energy Lithium Sulfur Batteries. <i>Advanced Materials</i> , 2017 , 29, 1605160	24	239

70	Self-Powered, Flexible, and Solution-Processable Perovskite Photodetector Based on Low-Cost Carbon Cloth. <i>Small</i> , 2017 , 13, 1701042	11	94
69	A Novel Polar Copolymer Design as a Multi-Functional Binder for Strong Affinity of Polysulfides in Lithium-Sulfur Batteries. <i>Nanoscale Research Letters</i> , 2017 , 12, 195	5	26
68	Li-S Batteries: A New Type of Multifunctional Polar Binder: Toward Practical Application of High Energy Lithium Sulfur Batteries (Adv. Mater. 12/2017). <i>Advanced Materials</i> , 2017 , 29,	24	2
67	A highly-efficient route to three-dimensional nanoporous copper leaves with high surface enhanced Raman scattering properties. <i>Chemical Engineering Journal</i> , 2017 , 321, 394-400	14.7	19
66	Vertical heterostructures based on SnSe 2 /MoS 2 for high performance photodetectors. <i>2D Materials</i> , 2017 , 4, 025048	5.9	143
65	High-Performance Ultraviolet Photodetector Based on a Few-Layered 2D NiPS3 Nanosheet. <i>Advanced Functional Materials</i> , 2017 , 27, 1701342	15.6	170
64	TiO Feather Duster as Effective Polysulfides Restrictor for Enhanced Electrochemical Kinetics in Lithium-Sulfur Batteries. <i>Small</i> , 2017 , 13, 1701013	11	126
63	Three-dimensional hierarchical C-Co-N/Se derived from metal-organic framework as superior cathode for Li-Se batteries. <i>Journal of Power Sources</i> , 2017 , 363, 103-109	8.9	64
62	Space-Confined Chemical Vapor Deposition Synthesis of Ultrathin HfS2 Flakes for Optoelectronic Application. <i>Advanced Functional Materials</i> , 2017 , 27, 1702918	15.6	90
61	Preparation of Double-Sided MgO Template for YB2Cu3O7- δ -Coated Conductors. <i>IEEE Transactions on Applied Superconductivity</i> , 2017 , 27, 1-5	1.8	0
60	Multi-Functional Layered WS2 Nanosheets for Enhancing the Performance of Lithium Sulfur Batteries. <i>Advanced Energy Materials</i> , 2017 , 7, 1601843	21.8	395
59	Performance Limits of the Self-Aligned Nanowire Top-Gated MoS2 Transistors. <i>Advanced Functional Materials</i> , 2017 , 27, 1602250	15.6	31
58	Electronic and Optoelectronic Applications Based on 2D Novel Anisotropic Transition Metal Dichalcogenides. <i>Advanced Science</i> , 2017 , 4, 1700231	13.6	145
57	Raman spectroscopy of atomically thin two-dimensional magnetic iron phosphorus trisulfide (FePS 3) crystals. <i>2D Materials</i> , 2016 , 3, 031009	5.9	199
56	Booming Development of Group IV-VI Semiconductors: Fresh Blood of 2D Family. <i>Advanced Science</i> , 2016 , 3, 1600177	13.6	140
55	Interface-Coupled BiFeO3/BiMnO3 Superlattices with Magnetic Transition Temperature up to 410 K. <i>Advanced Materials Interfaces</i> , 2016 , 3, 1500597	4.6	11
54	Epitaxial 2D PbS Nanoplates Arrays with Highly Efficient Infrared Response. <i>Advanced Materials</i> , 2016 , 28, 8051-8057	24	77
53	Design and fabrication of silicon nanowires towards efficient solar cells. <i>Nano Today</i> , 2016 , 11, 704-737	17.9	129

- 52 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
- 51 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
- 50 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
- 49 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
- 48 Biaxial Texture Evolution in MgO Films Fabricated Using Ion Beam-Assisted Deposition. *Journal of Electronic Materials*, **2016**, 45, 3546-3553 1.9 2
- 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 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
- 45 Enhanced Photoelectrochemical Performance from Rationally Designed Anatase/Rutile TiO₂ Heterostructures. *ACS Applied Materials & Interfaces*, **2016**, 8, 12239-45 9.5 116
- 44 Nano-structured optical hetero-coatings for ultraviolet protection. *Materials Letters*, **2015**, 152, 290-292^{3.3} 2
- 43 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
- 42 Characteristics of the Energetic Igniters Through Integrating B/Ti Nano-Multilayers on TaN Film Bridge. *Nanoscale Research Letters*, **2015**, 10, 934 5 12
- 41 The Effects of Grain Boundaries on the Current Transport Properties in YBCO-Coated Conductors. *Nanoscale Research Letters*, **2015**, 10, 416 5 2
- 40 Characteristics of the Energetic Igniters Through Integrating Al/NiO Nanolaminates on Cr Film Bridge. *Nanoscale Research Letters*, **2015**, 10, 504 5 14
- 39 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
- 38 Tailoring surface roughness of LaMnO₃ buffer layers for YBCO-coated conductors. *Rare Metals*, **2015**, 34, 859-863 5.5 6
- 37 Epitaxial growth of MOCVD-derived YBCO films by modulation of Cu(tmhd)₂ concentration. *Rare Metals*, **2014**, 33, 70-74 5.5 8
- 36 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
- 35 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

34	Large-area synthesis of monolayer and few-layer MoSe ₂ films on SiO ₂ substrates. <i>Nano Letters</i> , 2014 , 14, 2419-25	11.5	312
33	Strong pinning in YBa ₂ Cu ₃ O _{7-δ} films with SDP-derived amorphous Y ₂ O ₃ layers. <i>Physica C: Superconductivity and Its Applications</i> , 2014 , 507, 31-34	1.3	3
32	MOCVD derived double-sided YBa ₂ Cu ₃ O _{7-δ} films on Y ₂ O ₃ /YSZ/CeO ₂ buffered textured metal substrates. <i>Science China Technological Sciences</i> , 2014 , 57, 720-724	3.5	1
31	Development of mid-frequency AC reactive magnetron sputtering for fast deposition of Y ₂ O ₃ buffer layers. <i>Physica C: Superconductivity and Its Applications</i> , 2014 , 497, 38-42	1.3	5
30	Chemical Solution Route to Thin Epitaxial Gallium Nitride Films. <i>Chemistry Letters</i> , 2014 , 43, 447-449	1.7	1
29	Room Temperature Ferrimagnetism and Ferroelectricity in Strained, Thin Films of BiFeMnO ₃ . <i>Advanced Functional Materials</i> , 2014 , 24, 7478-7487	15.6	33
28	Effects of Cu/Ba Ratio in Precursor on MOCVD-Deposited YBa ₂ Cu ₃ O _{7-x} Films on YYC Buffered Ni-W Alloy Tape. <i>Advanced Materials Research</i> , 2014 , 1082, 95-99	0.5	
27	Polymer assisted thick single-layer YBa ₂ Cu ₃ O _{7-δ} films prepared with modified TFA-MOD method. <i>Rare Metals</i> , 2014 , 33, 594-597	5.5	5
26	Characterisation of YSZ Layers Deposited on Y ₂ O ₃ Buffered Textured Tapes for Coated Conductors. <i>Materials Science Forum</i> , 2014 , 787, 425-430	0.4	
25	Double-sided reel-to-reel metal-organic chemical vapor deposition system of YBa ₂ Cu ₃ O _{7-δ} thin films. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2014 , 32, 041512	2.9	9
24	Epitaxial Growth and Characterization of RF-Sputtered LaMnO ₃ Cap Layers on Homo-Epi MgO/IBAD/MgO Templates. <i>Journal of Superconductivity and Novel Magnetism</i> , 2014 , 27, 543-546	1.5	7
23	Influence of film thickness in THz active metamaterial devices: A comparison between superconductor and metal split-ring resonators. <i>Applied Physics Letters</i> , 2013 , 103, 061117	3.4	18
22	Microstructure modification of La ₂ Zr ₂ O ₇ buffer films for coated conductors by metal organic decomposition. <i>Journal of Materials Science: Materials in Electronics</i> , 2013 , 24, 1546-1550	2.1	6
21	Tailoring the crystallographic orientation of MOD-derived La ₂ Zr ₂ O ₇ buffer layers for coated conductors. <i>Physica C: Superconductivity and Its Applications</i> , 2013 , 492, 103-106	1.3	6
20	A Novel All-Conductive Architecture on Biaxially Textured Metal Substrates for YBCO Coated Conductors. <i>Journal of Superconductivity and Novel Magnetism</i> , 2013 , 26, 495-498	1.5	1
19	Fabrication of long-length ion beam-assisted deposited MgO templates for YBCO-coated conductors. <i>Rare Metals</i> , 2013 , 32, 574-578	5.5	14
18	The Influence of Surface Morphology of Buffer Layer on the Critical Current Density in YBCO Coated Conductors. <i>Advances in Condensed Matter Physics</i> , 2013 , 2013, 1-6	1	2
17	Decomposition and Oriented Growth of YBa ₂ Cu ₃ O _{7-x} Films Prepared with Low Fluorine TFA-MOD Approach. <i>Advances in Condensed Matter Physics</i> , 2013 , 2013, 1-5	1	1

16	Reel-to-reel deposition of epitaxial double-sided Y2O3 buffer layers for coated conductors. <i>Physica C: Superconductivity and Its Applications</i> , 2012 , 476, 48-53	1.3	17
15	Tailoring Optical Properties of Silicon Nanowires by Au Nanostructure Decorations: Enhanced Raman Scattering and Photodetection. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 4416-4422	3.8	47
14	Morphology evolvement of CeO2 cap layer for coated conductors. <i>Applied Surface Science</i> , 2012 , 263, 508-512	6.7	9
13	Optical tuning and ultrafast dynamics of high-temperature superconducting terahertz metamaterials. <i>Nanophotonics</i> , 2012 , 1, 117-123	6.3	63
12	Single cerium zirconate buffer layer on biaxially textured metal substrates for high performance coated conductors. <i>Journal of Materials Science</i> , 2011 , 46, 238-242	4.3	
11	Thickness Effect on the Structural and Electrical Properties of Sputtered YBCO Coated Conductors. <i>IEEE Transactions on Applied Superconductivity</i> , 2011 , 21, 2945-2948	1.8	5
10	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. <i>Surface Review and Letters</i> , 2009 , 16, 493-497	1.1	3
9	Reel-to-reel continuous deposition of CexZr1-xO2single buffer layer for YBCO coated conductors. <i>Journal of Physics: Conference Series</i> , 2009 , 153, 012036	0.3	1
8	Structure and dielectric characteristics of epitaxially strained BaTiO3 thin films. <i>Journal of Materials Science: Materials in Electronics</i> , 2008 , 19, 466-470	2.1	3
7	Deposition of high-textured buffer layers for YBCO coated conductors by all-IPAT-process. <i>Physica C: Superconductivity and Its Applications</i> , 2007 , 454, 56-60	1.3	6
6	High-resolution XRD study of stress-modulated YBCO films with various thicknesses. <i>Journal of Crystal Growth</i> , 2007 , 300, 364-367	1.6	27
5	A novel process for CeO2single buffer layer on biaxially textured metal substrates in YBCO coated conductors. <i>Superconductor Science and Technology</i> , 2006 , 19, 1068-1072	3.1	29
4	Effect of processing conditions and methods on residual stress in CeO2 buffer layers and YBCO superconducting films. <i>Physica C: Superconductivity and Its Applications</i> , 2006 , 442, 124-128	1.3	23
3	In Situ/Operando Raman Techniques in LithiumSulfur Batteries. <i>Small Structures</i> , 2100170	8.7	10
2	Electronic and Photoelectronic Memristors Based on 2D Materials. <i>Advanced Electronic Materials</i> , 2101099	9.4	4
1	Giant enhancement of optical nonlinearity in two-dimensional materials by multiphoton-excitation resonance energy transfer from quantum dots. <i>Nature Photonics</i> ,	33.9	13