

# Jian-Qi Li

## List of Publications by Year in descending order

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78  
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218677

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79  
docs citations

79  
times ranked

8825  
citing authors

#	ARTICLE	IF	CITATIONS
1	Observation of three superconducting transitions in the pressurized CDW-bearing compound $\text{TaTe}_2$ . Physical Review Materials, 2022, 6, .	2.4	6
2	Self-Intercalation Tunable Interlayer Exchange Coupling in a Synthetic van der Waals Antiferromagnet. Advanced Functional Materials, 2022, 32, .	14.9	10
3	Flux Method Growth and Structure and Properties Characterization of Rare-Earth Iron Oxides $\text{LuScFeO}_3$ Single Crystals. Crystals, 2022, 12, 769.	2.2	1
4	Microstructure of quasi-one-dimensional superconductor $\text{KCr}_3\text{As}_3$ prepared by K-ion deintercalation. Journal of Physics Condensed Matter, 2021, 33, 215404.	1.8	2
5	Classical linear magnetoresistance in exfoliated $\text{NbTe}_2$ nanoflakes. Physical Review B, 2021, 104, .	1.0	2
6	Nanoscale Visualization of a Photoinduced Plasmonic Near-Field in a Single Nanowire by Free Electrons. Nano Letters, 2021, 21, 10238-10243.	9.1	9
7	Development of analytical ultrafast transmission electron microscopy based on laser-driven Schottky field emission. Ultramicroscopy, 2020, 209, 112887.	1.9	32
8	Development and Application of Ultrafast Transmission Electron Microscope Based on Schottky Field Emission. Microscopy and Microanalysis, 2020, 26, 672-674.	0.4	0
9	Characteristics and temperature-field-thickness evolutions of magnetic domain structures in van der Waals magnet $\text{Fe}_3\text{GeTe}_2$ nanolayers. Applied Physics Letters, 2020, 116, .	3.3	31
10	Magnetic quantification of single-crystalline Fe and Co nanowires via off-axis electron holography. Journal of Chemical Physics, 2020, 152, 114202.	3.0	4
11	Growth of High-Quality Superconducting $\text{FeSe}_{0.5}\text{Te}_{0.5}$ Films on $\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})_{0.7}\text{Ti}_{0.3}\text{O}_3$ and Electric-Field Modulation of Superconductivity. ACS Applied Materials & Interfaces, 2020, 12, 12238-12245.	8.0	9
12	Ultrafast lattice and electronic dynamics in single-walled carbon nanotubes. Nanoscale Advances, 2020, 2, 2808-2813.	4.6	4
13	Formation of Zero-Field Magnetic Bubbles and Magnetic Phase Transitions in $\text{PbFe}_{12}\text{O}_{19}$ via In Situ Lorentz Microscopy. Physica Status Solidi (B): Basic Research, 2019, 256, 1900157.	1.5	2
14	Lattice Dynamics and Contraction of Energy Bandgap in Photoexcited Semiconducting Boron Nitride Nanotubes. ACS Nano, 2019, 13, 11623-11631.	14.6	6
15	High Spatiotemporal Resolution of Magnetic Dynamics in Mn - Ni - Ga via Four-Dimensional Lorentz Microscopy. Physical Review Applied, 2019, 12, .	3.8	5
16	Superconductivity in $\text{Bi}_3\text{O}_2\text{S}_2\text{Cl}$ with Bi-Cl Planar Layers. Journal of the American Chemical Society, 2019, 141, 3404-3408.	13.7	15
17	Quantification of Magnetic Surface and Edge States in an FeGe Nanostripe by Off-Axis Electron Holography. Physical Review Letters, 2018, 120, 167204.	7.8	33
18	Cooperative inter- and intra-layer lattice dynamics of photoexcited multi-walled carbon nanotubes studied by ultrafast electron diffraction. Nanoscale, 2018, 10, 7465-7471.	5.6	9

#	ARTICLE	IF	CITATIONS
19	Spontaneous nanometric magnetic bubbles with various topologies in spin-reoriented $\text{La}^{1-x}\text{Sr}_x\text{MnO}_3$ . Applied Physics Letters, 2018, 113, .	3.3	7
20	Defect effects on spatiotemporal evolution of photoinduced martensitic transition in $\text{MnNiSn}$ . Applied Physics Letters, 2018, 113, 133103.	3.3	4
21	Evolution of topological skyrmions across the spin reorientation transition in Pt/Co/Ta multilayers. Physical Review B, 2018, 97, .	3.2	41
22	Direct Observation of Inner-Layer Inward Contractions of Multiwalled Boron Nitride Nanotubes upon in Situ Heating. Nanomaterials, 2018, 8, 86.	4.1	8
23	Hidden CDW states and insulator-to-metal transition after a pulsed femtosecond laser excitation in layered chalcogenide $1\text{T-TaS}_2$ Se. Science Advances, 2018, 4, eaas9660.	10.3	39
24	Ultrafast electron microscopy in material science. Chinese Physics B, 2018, 27, 070703.	1.4	2
25	Structural phase transition, antiferromagnetism and two superconducting domes in $\text{LaFeAsO}_{1-x}\text{F}_x$ (0) $T_{\text{c}} = 10.784314 \text{ K}$ / Over	5.1	6
26	Magnetoresistance Behavior of Conducting Filaments in Resistive-Switching NiO with Different Resistance States. ACS Applied Materials & Interfaces, 2017, 9, 10835-10846.	8.0	21
27	Magnetotransport properties in a compensated semimetal gray arsenic. Physical Review B, 2017, 95, .	3.2	22
28	Dynamic diffraction effects and coherent breathing oscillations in ultrafast electron diffraction in layered $1\text{T-TaSeTe}$ . Structural Dynamics, 2017, 4, 044012.	2.3	28
29	Scalable Self-Propagating High-Temperature Synthesis of Graphene for Supercapacitors with Superior Power Density and Cyclic Stability. Advanced Materials, 2017, 29, 1604690.	21.0	186
30	Built-in Homojunction-Dominated Intrinsically Rectifying Resistive Switching in NiO Nanodots for Selection-Device-Free Memory Application. Advanced Electronic Materials, 2017, 3, 1600361.	5.1	11
31	Real-Space Observation of Nonvolatile Zero-Field Biskyrmion Lattice Generation in $\text{MnNiGa}$ Magnet. Nano Letters, 2017, 17, 7075-7079.	9.1	64
32	Generation of high-density biskyrmions by electric current. Npj Quantum Materials, 2017, 2, .	5.2	30
33	Ultrafast structural dynamics of boron nitride nanotubes studied using transmitted electrons. Nanoscale, 2017, 9, 13313-13319.	5.6	4
34	Realization of zero-field skyrmions with high-density via electromagnetic manipulation in Pt/Co/Ta multilayers. Applied Physics Letters, 2017, 111, .	3.3	57
35	Picosecond view of a martensitic transition and nucleation in the shape memory alloy $\text{Mn}_{50}\text{Ni}_{40}\text{Sn}_{10}$ by four-dimensional transmission electron microscopy. Physical Review B, 2017, 96, .	3.2	11
36	InnenrÄ¼cktitelbild: A Graphene Composite Material with Single Cobalt Active Sites: A Highly Efficient Counter Electrode for Dye-Sensitized Solar Cells (Angew. Chem. 23/2016). Angewandte Chemie, 2016, 128, 6905-6905.	2.0	0

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37	Structural Channels and Atomic-Cluster Insertion in Cs <sub>4</sub> Te <sub>6</sub> (1.25) As Observed by Aberration-Corrected Scanning Transmission Electron Microscopy. Inorganic Chemistry, 2016, 55, Persistent photoinduced modifications in the phase-separated states of	4.0	0
38	$L^2$ $a^2$ $S^2$ $r$	3.2	1
39	Homotopy-Theoretic Study & Atomic-Scale Observation of Vortex Domains in Hexagonal Manganites. Scientific Reports, 2016, 6, 28047.	3.3	24
40	A Centrosymmetric Hexagonal Magnet with Superstable Biskyrmion Magnetic Nanodomains in a Wide Temperature Range of 100–340 K. Advanced Materials, 2016, 28, 6887-6893.	21.0	209
41	A Graphene Composite Material with Single Cobalt Active Sites: A Highly Efficient Counter Electrode for Dye-Sensitized Solar Cells. Angewandte Chemie, 2016, 128, 6820-6824.	2.0	35
42	A Graphene Composite Material with Single Cobalt Active Sites: A Highly Efficient Counter Electrode for Dye-Sensitized Solar Cells. Angewandte Chemie - International Edition, 2016, 55, 6708-6712.	13.8	236
43	Direct observation of an optically induced charge density wave transition in $T^2$ $\alpha^2$ $\alpha^2$ Physical Review B, 2015, 92, .	3.2	1
44	Quasi-two-dimensional superconductivity in FeSe <sub>0.3</sub> Te <sub>0.7</sub> thin films and electric-field modulation of superconducting transition. Scientific Reports, 2015, 5, 14133.	3.3	28
45	Clocking the anisotropic lattice dynamics of multi-walled carbon nanotubes by four-dimensional ultrafast transmission electron microscopy. Scientific Reports, 2015, 5, 8404.	3.3	38
46	Direct Observation of Magnetic Off-Centering-Induced Ferroelectricity in Multiferroic Manganite Pr(Sr <sub>0.1</sub> Ca <sub>0.9</sub> ) <sub>2</sub> Mn <sub>2</sub> O <sub>7</sub> . Advanced Materials, 2015, 27, 6328-6332.	21.0	14
47	Triggering the electrocatalytic hydrogen evolution activity of the inert two-dimensional MoS <sub>2</sub> surface via single-atom metal doping. Energy and Environmental Science, 2015, 8, 1594-1601.	30.8	1,109
48	A single iron site confined in a graphene matrix for the catalytic oxidation of benzene at room temperature. Science Advances, 2015, 1, e1500462.	10.3	719
49	Investigation of $J_c$ -Suppressing Factors in Flat-Rolled $\text{Sr}_{0.6}\text{K}_{0.4}\text{Fe}_2\text{As}_2$ Tapes Via Microstructure Analysis. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-5.	1.7	5
50	A highly active, stable and synergistic Pt nanoparticles/Mo <sub>2</sub> C nanotube catalyst for methanol electro-oxidation. NPG Asia Materials, 2015, 7, e153-e153.	7.9	88
51	Ferroelectric polarization, domains structures and magnetic property of Y <sub>1-x</sub> In <sub>x</sub> MnO <sub>3</sub> . Science Bulletin, 2014, 59, 5194-5198.	1.7	4
52	Strong nonlinear current-voltage behaviour in iron oxyborate. AIP Advances, 2014, 4, .	1.3	0
53	Realization of practical level current densities in Sr <sub>0.6</sub> K <sub>0.4</sub> Fe <sub>2</sub> As <sub>2</sub> tape conductors for high-field applications. Applied Physics Letters, 2014, 104, 202601.	3.3	119
54	Role of the 245 phase in alkaline iron selenide superconductors revealed by high-pressure studies. Physical Review B, 2014, 89, .	3.2	31

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55	Graphene-Co <sub>3</sub> O <sub>4</sub> nanocomposite as an efficient bifunctional catalyst for lithium-air batteries. Journal of Materials Chemistry A, 2014, 2, 7188-7196.	10.3	192
56	Strong Coupling of the Iron-Quadrupole and Anion-Dipole Polarizations in Ba <sub>1-x</sub> Fe <sub>x</sub> (0 < x < 1). Physical Status Solidi (B): Basic Research, 2010, 247, 870-876.	7.8	23
57	Hot pressing to enhance the transport J <sub>c</sub> of Sr <sub>0.6</sub> K <sub>0.4</sub> Fe <sub>2</sub> As <sub>2</sub> superconducting tapes. Scientific Reports, 2014, 4, 6944.	3.3	64
58	Graphene-MoO <sub>2</sub> hierarchical nanoarchitectures: in situ reduction synthesis and high rate cycling performance as lithium-ion battery anodes. RSC Advances, 2013, 3, 17659.	3.6	32
59	Superior Electrochemical Performance and Storage Mechanism of Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> Cathode for Room-Temperature Sodium-Ion Batteries. Advanced Energy Materials, 2013, 3, 156-160.	19.5	817
60	Effect of the thickness of BiFeO <sub>3</sub> layers on the magnetic and electric properties of BiFeO <sub>3</sub> /La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> heterostructures. Applied Physics Letters, 2013, 102, .	3.3	28
61	Sodium-Ion Batteries: Superior Electrochemical Performance and Storage Mechanism of Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> Cathode for Room-Temperature Sodium-Ion Batteries (Adv. Energy Mater. 2/2013). Advanced Energy Materials, 2013, 3, 138-138.	19.5	4
62	Effect of TaO <sub>x</sub> thickness on the resistive switching of Ta/Pr <sub>0.7</sub> Ca <sub>0.3</sub> MnO <sub>3</sub> /Pt films. Applied Physics Letters, 2012, 100, 143506.	3.3	7
63	Microstructure and oxidation states in multiferroic Lu <sub>2</sub> (Fe,Mn) <sub>3</sub> O <sub>7</sub> . Journal of Applied Physics, 2012, 112, .	2.5	1
64	In situ diffusion growth of Fe <sub>2</sub> (MoO <sub>4</sub> ) <sub>3</sub> nanocrystals on the surface of ±-MoO <sub>3</sub> nanorods with significantly enhanced ethanol sensing properties. Journal of Materials Chemistry, 2012, 22, 12900.	6.7	45
65	Electronic structure of YMn <sub>2</sub> O <sub>5</sub> studied by EELS and first-principles calculations. Frontiers of Physics, 2012, 7, 429-434.	5.0	8
66	Electronic ferroelectricity, charge ordering and structural phase transitions in LuFe <sub>2</sub> O <sub>4</sub> (LuFeO <sub>3</sub> ) <sub>x</sub> (0 < x < 1). Physical Status Solidi (B): Basic Research, 2010, 247, 870-876.	3.2	15
67	Pressure-induced superconducting state in crystalline boron nanowires. Physical Review B, 2009, 79, .	3.2	18
68	Resistivity and Field Electron Emission of Nanowires Formed by Electron Beam Induced Chemical Vapor Deposition. Chinese Journal of Chemical Physics, 2007, 20, 680-684.	1.3	0
69	Structure Characterization of CuCl <sub>2</sub> -FeCl <sub>3</sub> -H <sub>2</sub> SO <sub>4</sub> Graphite Intercalation Compounds. Chinese Journal of Chemical Physics, 2007, 20, 806-810.	1.3	1
70	Fabrication and Characterization of Micro-Pattern Dandelion-like and Nanobelts of -SrV <sub>2</sub> O <sub>6</sub> via Hydrothermal Process. Chinese Journal of Chemical Physics, 2007, 20, 727-732.	1.3	8
71	A new route to single crystalline vanadium dioxide nanoflakes via thermal reduction. Journal of Materials Research, 2007, 22, 1921-1926.	2.6	15
72	Electrical and magnetic properties of electron doped Bi <sub>x</sub> Ca <sub>1-x</sub> MnO <sub>3</sub> (0 < x < 0.33) ceramics. Journal Wuhan University of Technology, Materials Science Edition, 2007, 22, 329-332.	1.0	0

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73	Transmission-Electron-Microscopy Study on Fivefold Twinned Silver Nanorods. Journal of Physical Chemistry B, 2004, 108, 12038-12043.	2.6	115
74	Structural properties of magnetically anisotropic SmCo <sub>5</sub> ribbons. Applied Physics Letters, 2002, 80, 2660-2662.	3.3	10
75	Beneficial effect of Gd substitution on magnetic properties of magnetically anisotropic SmCo <sub>5</sub> ribbons. Applied Physics Letters, 2001, 79, 1843-1845.	3.3	15
76	NEW NONLINEAR OPTICAL MATERIAL ZnS.BaSO <sub>4</sub> . Modern Physics Letters B, 1991, 05, 707-710.	1.9	0
77	Hot pressing to enhance the transport J <sub>c</sub> of Sr <sub>0.6</sub> K <sub>0.4</sub> Fe <sub>2</sub> As <sub>2</sub> superconducting tapes. , 0, .		1
78	Enhancement of lattice dynamics by an azimuthal surface plasmon on the femtosecond time scale in multi-walled carbon nanotubes. Nanoscale, 0, , .	5.6	2