

Lili Wang

List of Publications by Year in descending order

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129
papers

9,820
citations

44069

48
h-index

36028

97
g-index

129
all docs

129
docs citations

129
times ranked

10871
citing authors

#	ARTICLE	IF	CITATIONS
1	Prednisolone reduces the interferon response to AAV in cynomolgus macaques and may increase liver gene expression. <i>Molecular Therapy - Methods and Clinical Development</i> , 2022, 24, 292-305.	4.1	10
2	Characterization of ultrathin superconducting FeSe nanowires on SrTiO ₃ substrates. <i>Superconductor Science and Technology</i> , 2022, 35, 065010.	3.5	2
3	Post-growth Fe deposition on the superconductivity of monolayer FeSe films on SrTiO ₃ substrates. <i>Physical Review Materials</i> , 2022, 6, .	2.4	4
4	Knowledge flows from public science to industrial technologies. <i>Journal of Technology Transfer</i> , 2021, 46, 1232-1255.	4.3	16
5	The effect of competitive public funding on scientific output: A comparison between China and the EU. <i>Research Evaluation</i> , 2021, 29, 418-429.	2.6	14
6	Helper lipid structure influences protein adsorption and delivery of lipid nanoparticles to spleen and liver. <i>Biomaterials Science</i> , 2021, 9, 1449-1463.	5.4	84
7	Interface-enhanced superconductivity in multi-grain (FeSe) _{1-x} (SrTiO ₃) _x composites. <i>Superconductor Science and Technology</i> , 2021, 34, 035002.	3.5	3
8	Advances and challenges in adeno-associated viral inner-ear gene therapy for sensorineural hearing loss. <i>Molecular Therapy - Methods and Clinical Development</i> , 2021, 21, 209-236.	4.1	20
9	Long-term stable reduction of low-density lipoprotein in nonhuman primates following in vivo genome editing of PCSK9. <i>Molecular Therapy</i> , 2021, 29, 2019-2029.	8.2	42
10	Observation of In-Plane Quantum Griffiths Singularity in Two-Dimensional Crystalline Superconductors. <i>Physical Review Letters</i> , 2021, 127, 137001.	7.8	17
11	Exploring the regional pollution characteristics and meteorological formation mechanism of PM2.5 in North China during 2013-2017. <i>Environment International</i> , 2020, 134, 105283.	10.0	73
12	Discovery of an insulating parent phase in single-layer FeSe/SrTiO ₃ films. <i>Physical Review B</i> , 2020, 102, .	3.2	6
13	An <i>in situ</i> electrical transport measurement system under ultra-high vacuum. <i>Review of Scientific Instruments</i> , 2020, 91, 063902.	1.3	4
14	Type-II Ising Superconductivity and Anomalous Metallic State in Macro-Size Ambient-Stable Ultrathin Crystalline Films. <i>Nano Letters</i> , 2020, 20, 5728-5734.	9.1	43
15	A mutation-independent CRISPR-Cas9 mediated gene targeting approach to treat a murine model of ornithine transcarbamylase deficiency. <i>Science Advances</i> , 2020, 6, eaax5701.	10.3	44
16	Medical research versus disease burden in Africa. <i>Research Policy</i> , 2020, 49, 103916.	6.4	24
17	Preparation of SrTiO ₃ bicrystal substrates with atomic-level controlled boundaries for Josephson junction fabrication. <i>Physical Review Materials</i> , 2020, 4, .	2.4	0
18	Evidence of anisotropic Majorana bound states in 2M-WS ₂ . <i>Nature Physics</i> , 2019, 15, 1046-1051.	16.7	104

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19	Patterns of technology upgrading â€” the case of biotechnology in China. Asian Journal of Technology Innovation, 2019, 27, 152-171.	2.8	7
20	Visualization of Dopant Oxygen Atoms in a $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+x}$ δ Superconductor. Advanced Functional Materials, 2019, 29, 1903843.	14.9	34
21	Signature of Superconductivity in Orthorhombic CoSb Monolayer Films on SrTiO ₃ (001). ACS Nano, 2019, 13, 10434-10439.	14.6	13
22	The effect of collaborations on scientific research output: the case of nanoscience in Chinese regions. Scientometrics, 2019, 121, 839-868.	3.0	29
23	Selective trapping of hexagonally warped topological surface states in a triangular quantum corral. Science Advances, 2019, 5, eaaw3988.	10.3	6
24	CRISPR/Cas9-mediated in vivo gene targeting corrects hemostasis in newborn and adult factor IXâ€”knockout mice. Blood, 2019, 133, 2745-2752.	1.4	57
25	Superconductivity above 28â€”K in single unit cell FeSe films interfaced with GaO ₂ layer on NdGaO ₃ (1â€”1â€”0) _{0.9} . Science Bulletin, 2019, 64, 490-494.		8
26	Oxygen vacancy modulated superconductivity in monolayer FeSe on SrTiO_3 . Physical Review B, 2019, 100, .	3.2	15
27	Asymmetrically optimized structure in a high- T_c single unit-cell FeSe superconductor. Journal of Physics Condensed Matter, 2019, 31, 055701.	1.8	4
28	Exploring the spatial dimensions of nanotechnology development in China: the effects of funding and spillovers. Regional Studies, 2019, 53, 245-260.	4.4	13
29	Extensive impurity-scattering study on the pairing symmetry of monolayer FeSe films on SrTiO_3 . Physical Review B, 2018, 97, .	3.2	21
30	Anisotropic superconductivity and elongated vortices with unusual bound states in quasi-one-dimensional nickel-bismuth compounds. Physical Review B, 2018, 97, .	3.2	12
31	Temperature-Dependent Thermal Conductivity Study of MAPbI ₃ : Using Mild Aging To Reach a Thermal Percolation Threshold for Greatly Improved Heat Transport. Journal of Physical Chemistry C, 2018, 122, 13243-13249.	3.1	6
32	Aqueousâ€”Containing Precursor Solutions for Efficient Perovskite Solar Cells. Advanced Science, 2018, 5, 1700484.	11.2	66
33	SCANNING TUNNELING MICROSCOPIC STUDY OF THE INTERFACE SUPERCONDUCTIVITY. Surface Review and Letters, 2018, 25, 1841001.	1.1	0
34	Observation of interface superconductivity in a SnSe_2 /epitaxial graphene van der Waals heterostructure. Physical Review B, 2018, 98, .	3.2	11
35	Edge States at Nematic Domain Walls in FeSe Films. Nano Letters, 2018, 18, 7176-7180.	9.1	16
36	Anti-PbO-type CoSe film: a possible analog to FeSe superconductors. Superconductor Science and Technology, 2018, 31, 115011.	3.5	6

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37	Interface enhanced superconductivity in monolayer FeSe films on MgO(001): charge transfer with atomic substitution. <i>Science Bulletin</i> , 2018, 63, 747-752.	9.0	24
38	Atomic visualization of copper oxide structure in the infinite-layer cuprate SrCuO_2 . <i>Physical Review B</i> , 2018, 97, .	3.2	14
39	Realizing an Epitaxial Decorated Stanene with an Insulating Bandgap. <i>Advanced Functional Materials</i> , 2018, 28, 1802723.	14.9	63
40	Experimental evidence of the thickness- and electric-field-dependent topological phase transitions in topological crystalline insulator SnTe(111) thin films. <i>Nano Research</i> , 2018, 11, 6045-6050.	10.4	5
41	Knowledge Transfer from Science to Technology—The Case of Nano Medical Device Technologies. <i>Frontiers in Research Metrics and Analytics</i> , 2018, 3, .	1.9	7
42	Surface symmetry breaking and disorder effects on superconductivity in perovskite BaBi ₃ epitaxial films. <i>Physical Review B</i> , 2018, 98, .	3.2	1
43	Two-dimensional superconductivity and topological states in PdTe_2 thin films. <i>Physical Review Materials</i> , 2018, 2, .	2.4	57
44	Thermal Conductivity of $\text{CH}_3\text{NH}_3\text{PbI}_3$ and CsPbI_3 : Measuring the Effect of the Methylammonium Ion on Phonon Scattering. <i>Journal of Physical Chemistry C</i> , 2017, 121, 3228-3233.	3.1	69
45	Determinants of citation impact: A comparative analysis of the Global South versus the Global North. <i>Research Policy</i> , 2017, 46, 265-279.	6.4	72
46	Who sets up the bridge? Tracking scientific collaborations between China and the European Union. <i>Research Evaluation</i> , 2017, 26, 124-131.	2.6	24
47	Detecting the emergence of new scientific collaboration links in Africa: A comparison of expected and realized collaboration intensities. <i>Journal of Informetrics</i> , 2017, 11, 892-903.	2.9	12
48	Unlocking the Single-Domain Epitaxy of Halide Perovskites. <i>Advanced Materials Interfaces</i> , 2017, 4, 1701003.	3.7	29
49	Origin of charge transfer and enhanced electron-phonon coupling in single unit-cell FeSe films on SrTiO ₃ . <i>Nature Communications</i> , 2017, 8, 214.	12.8	77
50	Spin fluctuation induced linear magnetoresistance in ultrathin superconducting FeSe films. <i>2D Materials</i> , 2017, 4, 034004.	4.4	16
51	Complete Conversion of PbI_2 to Methyl Ammonium PbI_3 Improves Perovskite Solar Cell Efficiency. <i>ChemPhysChem</i> , 2017, 18, 47-50.	2.1	10
52	Network structure of scientific collaborations between China and the EU member states. <i>Scientometrics</i> , 2017, 113, 765-781.	3.0	33
53	Existence of standing wave solutions for coupled quasilinear Schrödinger systems with critical exponents in \mathbb{R}^N . <i>Electronic Journal of Qualitative Theory of Differential Equations</i> , 2017, , 1-23.	0.5	1
54	Topological edge states in a high-temperature superconductor FeSe/SrTiO ₃ (001) film. <i>Nature Materials</i> , 2016, 15, 968-973.	27.5	145

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55	Imaging the Long Transport Lengths of Photo-generated Carriers in Oriented Perovskite Films. Nano Letters, 2016, 16, 7925-7929.	9.1	50
56	Interface induced high temperature superconductivity in single unit-cell FeSe on SrTiO ₃ (110). Applied Physics Letters, 2016, 108, .	3.3	51
57	The structure and comparative advantages of China's scientific research: quantitative and qualitative perspectives. Scientometrics, 2016, 106, 435-452.	3.0	35
58	Atomically resolved FeSe/SrTiO ₃ (001) interface structure by scanning transmission electron microscopy. 2D Materials, 2016, 3, 024002.	4.4	50
59	Interface high-temperature superconductivity. Superconductor Science and Technology, 2016, 29, 123001.	3.5	49
60	High-Temperature Superconductivity in Single-Unit-Cell FeSe Films on Anatase TiO ₂ (101) Interface. Physical Review B, 2016, 94, .	3.2	70
61	Role of SrTiO ₃ penetrating into thin FeSe films in the enhancement of superconductivity. Physical Review B, 2016, 94, .	3.2	71
62	Alkali Metal Halide Salts as Interface Additives to Fabricate Hysteresis-Free Hybrid Perovskite-Based Photovoltaic Devices. ACS Applied Materials & Interfaces, 2016, 8, 23086-23094.	8.0	28
63	Visualizing the elongated vortices in Bi ₂ -Ga nanostrips. Physical Review B, 2016, 93, .	3.2	8
64	Interface-enhanced electron-phonon coupling and high-temperature superconductivity in potassium-coated ultrathin FeSe films on SrTiO ₃ . Physical Review B, 2016, 93, .	3.2	70
65	Charge ordering in stoichiometric FeTe: Scanning tunneling microscopy and spectroscopy. Physical Review B, 2016, 93, .	3.2	21
66	Electronic structure of the ingredient planes of the cuprate superconductor Bi ₂ O ₃ . A comparison study with Bi ₂ Te ₃ . Physical Review B, 2016, 93, .	3.2	12
67	Ultrafast Dynamics Evidence of High Temperature Superconductivity in Single Unit Cell FeSe on SrTiO ₃ . Physical Review Letters, 2016, 116, 107001.	7.8	77
68	Observation of Double-Dome Superconductivity in Potassium-Doped FeSe Thin Films. Physical Review Letters, 2016, 116, 157001.	7.8	88
69	Evolution and convergence of the patterns of international scientific collaboration. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 2057-2061.	7.1	169
70	Molecular beam epitaxy growth and scanning tunneling microscopy study of TiSe ₂ films. Physical Review B, 2015, 91, .	3.2	89
71	Superconductivity dichotomy in K-coated single and double unit cell FeSe films on SrTiO ₃ . Physical Review B, 2015, 92, .	3.2	47
72	Mapping the Electronic Structure of Each Ingredient Oxide Layer of High-Tc Cuprate Superconductor Tc/Bi ₂ O ₃ . Physical Review Letters, 2015, 115, 237002.	7.8	26

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73	Observation of Dirac fermions in magnetically doped topological insulator films. Sb_2Te_3 films. Physical Review B, 2015, 91, .	3.2	22
74	Nanoscale superconductivity of In_2S_3 -Ga islands grown by molecular beam epitaxy. Science China: Physics, Mechanics and Astronomy, 2015, 58, 1.	5.1	1
75	Visualizing superconductivity in FeSe nanoflakes on SrTiO_3 scanning tunneling microscopy. Physical Review B, 2015, 91, .	3.2	10
76	Detection of a Superconducting Phase in a Two-Atom Layer of Hexagonal Ga Film Grown on Semiconducting GaN(0001). Physical Review Letters, 2015, 114, 107003.	7.8	81
77	Thickness dependence of superconductivity and superconductor-insulator transition in ultrathin FeSe films on SrTiO_3 (001) substrate. 2D Materials, 2015, 2, 044012.	4.4	37
78	Disentangling the magnetoelectric and thermoelectric transport in topological insulator thin films. Physical Review B, 2015, 91, .	3.2	32
79	Probing Dirac Fermion Dynamics in Topological Insulator Bi_2Te_3 films. Physical Review Letters, 2015, 114, 107003.	7.8	15
80	Interface-enhanced high-temperature superconductivity in single-unit-cell FeTe films. Physical Review Letters, 2015, 114, 107003.	3.2	48
81	Trajectories of science and technology and their co-evolution in BRICS: Insights from publication and patent analysis. Journal of Informetrics, 2015, 9, 90-101.	2.9	32
82	Path-breaking directions of nanotechnology-based chemotherapy and molecular cancer therapy. Technological Forecasting and Social Change, 2015, 94, 155-169.	11.6	86
83	Electronic evidence of an insulator-insulator crossover in single-layer FeSe/SrTiO ₃ films. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 18501-18506.	7.1	67
84	Imaging the Electron-Boson Coupling in Superconducting FeSe Films Using a Scanning Tunneling Microscope. Physical Review Letters, 2014, 112, 057002.	7.8	31
85	Experimental Observation of Dirac-like Surface States and Topological Phase Transition in Pb_1Te films. Physical Review Letters, 2014, 112, 186801.	7.8	109
86	Electrically tuned magnetic order and magnetoresistance in a topological insulator. Nature Communications, 2014, 5, 4915.	12.8	47
87	Femtosecond Time-Resolved Transient Absorption Spectroscopy of $\text{CH}_3\text{NH}_3\text{PbI}_3$ Perovskite Films: Evidence for Passivation Effect of PbI_2 . Journal of the American Chemical Society, 2014, 136, 12205-12208.	13.7	501
88	Dichotomy of the electronic structure and superconductivity between single-layer and double-layer FeSe/SrTiO ₃ films. Nature Communications, 2014, 5, 5047.	12.8	57
89	Interface charge doping effects on superconductivity of single-unit-cell FeSe films on SrTiO_3 . Physical Review B, 2014, 89, .	3.2	10
90	Combination of Optical and Electrical Loss Analyses for a Si-Phthalocyanine Dye-Sensitized Solar Cell. Journal of Physical Chemistry B, 2014, 118, 14027-14036.	2.6	7

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91	Molecular beam epitaxy growth and post-growth annealing of FeSe films on SrTiO ₃ : a scanning tunneling microscopy study. Journal of Physics Condensed Matter, 2014, 26, 265002.	1.8	56
92	High temperature superconducting FeSe films on SrTiO ₃ substrates. Scientific Reports, 2014, 4, 6040.	3.3	109
93	Fully gapped topological surface states in Bi ₂ Se ₃ films induced by a d-wave high-temperature superconductor. Nature Physics, 2013, 9, 621-625.	16.7	149
94	The Unexpected Convergence of Regional Productivity in Chinese Industry, 1978â€“2005. Oxford Development Studies, 2013, 41, 29-53.	1.9	8
95	Atomic and electronic structures of single-layer FeSe on SrTiO ₃ (001): The role of oxygen deficiency. Physical Review B, 2013, 87, .	3.2	86
96	Phase diagram and electronic indication of high-temperature superconductivity at 65%K in single-layer FeSe films. Nature Materials, 2013, 12, 605-610.	27.5	706
97	Scanning tunneling microscopy study of the superconducting properties of three-atomic-layer Pb films. Applied Physics Letters, 2013, 103, .	3.3	10
98	Evidence for Berezinskiiâ€“Kosterlitzâ€“Thouless transition in atomically flat two-dimensional Pb superconducting films. Solid State Communications, 2013, 165, 59-63.	1.9	47
99	Interdisciplinarity of nano research fields: a keyword mining approach. Scientometrics, 2013, 94, 877-892.	3.0	38
100	Large-scale uniform bilayer graphene prepared by vacuum graphitization of 6H-SiC(0001) substrates. Journal of Physics Condensed Matter, 2013, 25, 095002.	1.8	76
101	Superconductivity in a single-layer alkali-doped FeSe: A weakly coupled two-leg ladder system. Physical Review B, 2013, 88, .	3.2	11
102	Transport properties of Sb ₂ Te ₃ /Bi ₂ Te ₃ topological insulator heterostructures. Physica Status Solidi - Rapid Research Letters, 2013, 7, 142-144.	2.4	14
103	Scanning tunneling microscopy of interface properties of Bi ₂ Se ₃ on FeSe. Journal of Physics Condensed Matter, 2012, 24, 475604.	1.8	12
104	Fermi-Level Tuning of Epitaxial Films on Graphene by Regulating Intrinsic Defects and Substrate Transfer Doping. Physical Review Letters, 2012, 108, 066809.	7.8	152
105	Landau Quantization and the Thickness Limit of Topological Insulator Thin Films of Sb ₂ Te ₃ . Physical Review Letters, 2012, 108, 016401.	7.8	195
106	KFe ₂ Se ₂ the Parent Compound of K-Doped Iron Selenide Superconductors. Physical Review Letters, 2012, 109, 057003.	7.8	101
107	Suppression of Superconductivity by Twin Boundaries in FeSe. Physical Review Letters, 2012, 109, 137004.	7.8	90
108	Gating the charge state of single Fe dopants in the topological insulator Bi ₂ Se ₃ with a scanning tunneling microscope. Physical Review B, 2012, 86, .	3.2	42

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109	Capital inputs in the Chinese economy: Estimates for the total economy, industry and manufacturing. China Economic Review, 2012, 23, 81-104.	4.4	15
110	Phase separation and magnetic order in K-doped iron selenide superconductor. Nature Physics, 2012, 8, 126-130.	16.7	280
111	Charge-Transfer-Induced Cesium Superlattices on Graphene. Physical Review Letters, 2012, 108, 156803.	7.8	48
112	Electronic origin of high-temperature superconductivity in single-layer FeSe superconductor. Nature Communications, 2012, 3, 931.	12.8	495
113	Controlled synthesis and tunable properties of hematite hierarchical structures in a dual-surfactant system. CrystEngComm, 2011, 13, 1998-2005.	2.6	8
114	Direct Observation of Nodes and Twofold Symmetry in FeSe Superconductor. Science, 2011, 332, 1410-1413.	12.6	360
115	Band structure engineering in $(\text{Bi}_{1-x}\text{Sb}_x)_2\text{Te}_3$ ternary topological insulators. Nature Communications, 2011, 2, 574.	12.8	460
116	Self-assembly of manganese phthalocyanine on Pb(111) surface: A scanning tunneling microscopy study. Journal of Chemical Physics, 2011, 134, 154703.	3.0	14
117	Molecular-beam epitaxy and robust superconductivity of stoichiometric FeSe crystalline films on bilayer graphene. Physical Review B, 2011, 84, .	3.2	146
118	Landau Quantization of Topological Surface States in Bi_2Se_3 . Physical Review Letters, 2010, 105, 076801.	7.8	352
119	Atomically smooth ultrathin films of topological insulator Sb_2Te_3 . Nano Research, 2010, 3, 874-880.	10.4	104
120	Existence of uncountably many bounded positive solutions for a third order nonlinear neutral delay difference equation. Computers and Mathematics With Applications, 2010, 60, 2399-2416.	2.7	5
121	Superconductivity in one-atomic-layer metal films grown on Si(111). Nature Physics, 2010, 6, 104-108.	16.7	479
122	Topological insulator Bi_2Se_3 thin films grown on double-layer graphene by molecular beam epitaxy. Applied Physics Letters, 2010, 97, .	3.3	154
123	Solvability and iterative algorithms for a higher order nonlinear neutral delay differential equation. Applied Mathematics and Computation, 2009, 215, 2534-2543.	2.2	2
124	Experimental Demonstration of Topological Surface States Protected by Time-Reversal Symmetry. Physical Review Letters, 2009, 103, 266803.	7.8	653
125	Controlled nanocutting of graphene. Nano Research, 2008, 1, 116-122.	10.4	472
126	R&D and economic growth in China on the basis of data envelopment analysis. Journal of Technology Management in China, 2007, 2, 225-236.	0.2	7

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127	Stochastic diffusion models for substitutable technological innovations. International Journal of Technology Management, 2004, 28, 654.	0.5	3
128	Path-Breaking Directions of Nanotechnology-Based Chemotherapy and Molecular Cancer Therapy. SSRN Electronic Journal, 0, , .	0.4	0
129	Technological spillovers and industrial growth in Chinese regions. Industrial and Corporate Change, 0, , dtw022.	2.8	4