

Fang-Sen Li

List of Publications by Year in descending order

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55
papers

1,653
citations

394421

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h-index

289244

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55
all docs

55
docs citations

55
times ranked

1963
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct Observation of High-Temperature Superconductivity in One-Unit-Cell FeSe Films. Chinese Physics Letters, 2014, 31, 017401.	3.3	222
2	Topological edge states in a high-temperature superconductor FeSe/SrTiO ₃ (001) film. Nature Materials, 2016, 15, 968-973.	27.5	145
3	Interface charge doping effects on superconductivity of single-unit-cell FeSe films on SrTiO ₃ substrates. Physical Review B, 2014, 89, .	3.3	109
4	High temperature superconducting FeSe films on SrTiO ₃ substrates. Scientific Reports, 2014, 4, 6040.	3.3	109
5	Self-assembled alkanethiol monolayers on gold surfaces: resolving the complex structure at the interface by STM. Physical Chemistry Chemical Physics, 2014, 16, 19074.	2.8	85
6	An Efficiency of 16.46% and a Lifetime of Over 4000 h for the PM6:Y6 Inverted Organic Solar Cells Enabled by Surface Acid Treatment of the Zinc Oxide Electron Transporting Layer. ACS Applied Materials & Interfaces, 2021, 13, 17869-17881.	8.0	80
7	Role of SrTiO ₃ penetrating into thin FeSe films in the enhancement of superconductivity. Physical Review B, 2016, 94, .	3.2	74
8	Interface-enhanced electron-phonon coupling and high-temperature superconductivity in potassium-coated ultrathin FeSe films on SrTiO ₃ substrates. Physical Review B, 2016, 93, .	3.2	70
9	Electronic evidence of an insulator–superconductor 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
10	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
11	Angular dependent XPS study of surface band bending on Ga-polar n-GaN. Applied Surface Science, 2018, 440, 637-642.	6.1	57
12	Insights into the Dual Role of Lithium Difluoro(oxalato)borate Additive in Improving the Electrochemical Performance of NMC811 Graphite Cells. ACS Applied Energy Materials, 2020, 3, 695-704.	5.1	54
13	Synergetic effects of electrochemical oxidation of Spiro-OMeTAD and Li ⁺ ion migration for improving the performance of n-type perovskite solar cells. Journal of Materials Chemistry A, 2021, 9, 7575-7585.	10.3	50
14	Interface-enhanced high-temperature superconductivity in single-unit-cell FeTe films on SrTiO ₃ substrates. Physical Review B, 2018, 97, .	3.2	48
15	Epitaxial Growth of Single-Phase 1T' WSe ₂ Monolayer with Assistance of Enhanced Interface Interaction. Advanced Materials, 2021, 33, e2004930.	21.0	28
16	Variation between Antiferromagnetism and Ferrimagnetism in NiPS ₃ by Electron Doping. Advanced Functional Materials, 2022, 32, .	14.9	28
17	Extensive impurity-scattering study on the pairing symmetry of monolayer FeSe films on SrTiO ₃ substrates. Physical Review B, 2018, 97, .	3.2	28
18	Direct Observation of One-Dimensional Peierls-type Charge Density Wave in Twin Boundaries of Monolayer MoTe ₂ . ACS Nano, 2020, 14, 8299-8306.	14.6	23

#	ARTICLE	IF	CITATIONS
19	Revealing the Mechanism behind the Catastrophic Failure of n-i-p Type Perovskite Solar Cells under Operating Conditions and How to Suppress It. <i>Advanced Functional Materials</i> , 2021, 31, 2103820.	14.9	22
20	The striped phases of ethylthiolate monolayers on the Au(111) surface: A scanning tunneling microscopy study. <i>Journal of Chemical Physics</i> , 2013, 138, 194707.	3.0	18
21	Investigation of Ga ₂ O ₃ Film Growth Mechanism on c-plane Sapphire Substrate by Ozone Molecular Beam Epitaxy. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2021, 218, 2000457.	1.8	18
22	Precise determination of surface band bending in Ga-polar n-GaN films by angular dependent X-Ray photoemission spectroscopy. <i>Scientific Reports</i> , 2019, 9, 16969.	3.3	17
23	Anisotropic electronic structure of antimonene. <i>Applied Physics Letters</i> , 2019, 115, .	3.3	15
24	Direct transformation of n-alkane into all-trans conjugated polyene via cascade dehydrogenation. <i>National Science Review</i> , 2021, 8, nwab093.	9.5	15
25	Balance of Forces in Self-Assembled Monolayers. <i>Journal of Physical Chemistry C</i> , 2013, 117, 24985-24990.	3.1	14
26	Spontaneous Breaking and Remaking of the RS-Au-SR Staple in Self-assembled Ethylthiolate/Au(111) Interface. <i>Journal of Physical Chemistry C</i> , 2018, 122, 19473-19480.	3.1	13
27	Visualizing Dirac nodal-line band structure of topological semimetal ZrGeSe by ARPES. <i>APL Materials</i> , 2019, 7, .	5.1	13
28	Non-Uniform Chemical Corrosion of Metal Electrode of p-i-n Type of Perovskite Solar Cells Caused by the Diffusion of CH ₃ NH ₃ I. <i>Energy Technology</i> , 2020, 8, 2000250.	3.8	13
29	Semiconductor-Metal Phase Transition and Emergent Charge Density Waves in 1T-ZrX ₂ (X = Se, Te) at the Two-Dimensional Limit. <i>Nano Letters</i> , 2022, 22, 476-484.	9.1	13
30	Adsorption and Electron-Induced Dissociation of Ethanethiol on Au(111). <i>Langmuir</i> , 2012, 28, 11115-11120.	3.5	12
31	Accurate surface band bending determination on Ga-polar n-type GaN films by fitting x-ray valence band photoemission spectrum. <i>AIP Advances</i> , 2019, 9, .	1.3	9
32	Wafer-scale epitaxial single-crystalline Ni(111) films on sapphires for graphene growth. <i>Journal of Materials Science</i> , 2021, 56, 3220-3229.	3.7	9
33	Direct Observation of Global Elastic Intervalley Scattering Induced by Impurities on Graphene. <i>Nano Letters</i> , 2021, 21, 8258-8265.	9.1	9
34	Visualizing the evolution from Mott insulator to Anderson insulator in Ti-doped 1T-TaS ₂ . <i>Npj Quantum Materials</i> , 2022, 7, .	5.2	9
35	Surface-induced symmetry reduction in molecular switching: asymmetric cis-trans switching of CH ₃ S-Au-SCH ₃ on Au(111). <i>Nanoscale</i> , 2016, 8, 19787-19793.	5.6	8
36	Simultaneous Improvement of the Long-Term and Thermal Stability of the Perovskite Solar Cells Using 2,3,4,5,6-Pentafluorobenzoyl Chloride (PFBC)-Capped ZnO Nanoparticles Buffer Layer. <i>Solar Rrl</i> , 2020, 4, 2000289.	5.8	8

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37	Remote plasma-enhanced atomic layer deposition of metallic TiN films with low work function and high uniformity. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2018, 36, .	2.1	7
38	Interface analysis of TiN/n-GaN Ohmic contacts with high thermal stability. <i>Applied Surface Science</i> , 2019, 481, 1148-1153.	6.1	7
39	Surface melting and recrystallization of a self-assembled octanethiol monolayer on Au(111). <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2011, 29, 021011.	2.1	6
40	Ion Sputter Induced Interfacial Reaction in Prototypical Metal-GaN System. <i>Scientific Reports</i> , 2018, 8, 8521.	3.3	6
41	Discovery of an insulating parent phase in single-layer FeSe/SrTiO ₃ films. <i>Physical Review B</i> , 2020, 102, .	3.2	6
42	Thermal Stability Study of GaP/High- κ Dielectrics Interfaces. <i>Advanced Materials Interfaces</i> , 2017, 4, 1700609.	3.7	5
43	Molecular beam epitaxy growth and strain-induced bandgap of monolayer 1T-WTe ₂ on SrTiO ₃ (001). <i>Applied Physics Letters</i> , 2020, 117, .	3.3	5
44	Searching for a promising topological Dirac nodal-line semimetal by angle resolved photoemission spectroscopy. <i>New Journal of Physics</i> , 2021, 23, 123026.	2.9	5
45	Study on the measurement accuracy of circular transmission line model for low-resistance Ohmic contacts on III-V wide band-gap semiconductors. <i>Current Applied Physics</i> , 2018, 18, 853-858.	2.4	4
46	Oxygen Adsorption Induced Superconductivity in Ultrathin FeTe Film on SrTiO ₃ (001). <i>Materials</i> , 2021, 14, 4584.	2.9	4
47	Modulation of electronic state in copper-intercalated 1T-TaS ₂ . <i>Nano Research</i> , 2022, 15, 4327-4333.	10.4	3
48	Electronic states driven by the crystal field in two-dimensional materials: The case of antimonene. <i>Physical Review B</i> , 2022, 105, .	3.2	3
49	Perturbational Imaging of Molecules with the Scanning Tunneling Microscope. <i>Journal of Physical Chemistry C</i> , 2020, 124, 25892-25897.	3.1	2
50	Large-scale quantification of aluminum in Al _x Ga _{1-x} N alloys by ToF-SIMS: The benefit of secondary cluster ions. <i>Surface and Interface Analysis</i> , 2020, 52, 311-317.	1.8	2
51	The Significant Effect of Carbon and Oxygen Contaminants at Pd/p-GaN Interface on Its Ohmic Contact Characteristics. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2021, 218, 2000603.	1.8	2
52	Selectable Growth and Electronic Structures of Monolayer 1T-VSe ₂ and V ₅ Se ₈ Films on Bilayer Graphene. <i>Physica Status Solidi - Rapid Research Letters</i> , 0, , 2100601.	2.4	2
53	Interfacial electron-phonon coupling and quantum confinement in ultrathin Yb films on graphite. <i>Physical Review B</i> , 2021, 104, .	3.2	1
54	Investigation of Electrical and Interfacial Properties of Improved Ohmic Contact on p-Type GaN. <i>ECS Journal of Solid State Science and Technology</i> , 2019, 8, P24-P29.	1.8	0

#	ARTICLE	IF	CITATIONS
55	Observation of metallic TeO ₂ thin film with rutile structure on FeTe surface. Journal of Materials Science, 0, , .	3.7	0