Jian-Chen Lu

List of Publications by Year
in descending order

35 papers	1,401 citations	840776 11 h-index	377865 34 g-index
35 all docs	35 docs citations	35 times ranked	2749 citing authors

#	Article	IF	Citations
1	Commensurateâ€“incommensurate transition in graphene on hexagonal boron nitride. Nature Physics, 2014, 10, 451-456.	16.7	737
2	Intrinsically patterned two-dimensional materials for selective adsorption of molecules andÂnanoclusters. Nature Materials, 2017, 16, 717-721.	27.5	150
3	Epitaxial Growth of Honeycomb Monolayer CuSe with Dirac Nodal Line Fermions. Advanced Materials, 2018, 30, e1707055.	21.0	110
4	Direct visualization of atomically precise nitrogen-doped graphene nanoribbons. Applied Physics Letters, 2014, 105, .	3.3	82
5	Identifying and Visualizing the Edge Terminations of Single-Layer MoSe₂ Island Epitaxially Grown on Au(111). ACS Nano, 2017, 11, 1689-1695.	14.6	48
6	Sulfur-doped graphene nanoribbons with a sequence of distinct band gaps. Nano Research, 2017, 10, 3377-3384.	10.4	44
7	Construction of Two-Dimensional Chiral Networks through Atomic Bromine on Surfaces. Journal of Physical Chemistry Letters, 2017, 8, 326-331.	4.6	33
8	Airâ€Stable Monolayer Cu₂Se Exhibits a Purely Thermal Structural Phase Transition. Advanced Materials, 2020, 32, e1908314.	21.0	26
9	Energy band engineering via â€œBiteâ€•defect located on N = 8 armchair graphene nanoribbons. Nano Research, 2022, 15, 653-658.	10.4	16
10	Construction of single-crystalline supramolecular networks of perchlorinated hexa-peri-hexabenzocoronene on Au(111). Journal of Chemical Physics, 2015, 142, 101911.	3.0	13
11	Honeycomb AgSe Monolayer Nanosheets for Studying Two-dimensional Dirac Nodal Line Fermions. ACS Applied Nano Materials, 2021, 4, 8845-8850.	5.0	13
12	Onâ€Surface Synthesis of a Nitrogenâ€Doped Graphene Nanoribbon with Multiple Substitutional Sites. Angewandte Chemie - International Edition, 2022, 61, .	13.8	13
13	Constructing molecular structures on periodic superstructure of graphene/Ru(0001). Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2014, 372, 20130015.	3.4	10
14	Tuning the Electronic Properties of Atomically Precise Graphene Nanoribbons by Bottomâ€Up Fabrication. ChemNanoMat, 2020, 6, 493-515.	2.8	10
15	Experimental Synthesis of Strained Monolayer Silver Arsenide on Ag(111) Substrates. Chinese Physics Letters, 2020, 37, 068103.	3.3	10
16	Identification and electronic characterization of four cyclodehydrogenation products of H₂TPP molecules on Au(111). Physical Chemistry Chemical Physics, 2021, 23, 11784-11788.	2.8	10
17	On-surface synthesis of one-type pore single-crystal porous covalent organic frameworks. Chemical Communications, 2019, 55, 10800-10803.	4.1	9
18	Structural characterizations and electronic properties of CuSe monolayer endowed with triangular nanopores. Journal of Materials Science, 2021, 56, 10406-10413.	3.7	7

#	Article	IF	Citations
19	Controllable Density of Atomic Bromine in a Two-Dimensional Hydrogen Bond Network. Journal of Physical Chemistry C, 2018, 122, 25681-25684.	3.1	6
20	On-Surface Synthesis and Characterization of Polythiophene Chains. Journal of Physical Chemistry C, 2020, 124, 764-768.	3.1	6
21	Epitaxial fabrication of monolayer copper arsenide on Cu(111)*. Chinese Physics B, 2020, 29, 077301.	1.4	5
22	Controllable fabrication and photocatalytic performance of nanoscale single-layer MoSe₂ islands with substantial edges on an Ag(111) substrate. Nanoscale, 2021, 13, 19165-19171.	5.6	5
23	Research progress of monolayer two-dimensional atomic crystal materials grown by molecular beam epitaxy in ultra-high vacuum conditions. Wuli Xuebao/Acta Physica Sinica, 2020, 69, 118101.	0.5	5
24	Se-concentration dependent superstructure transformations of CuSe monolayer on Cu(111) substrate. 2D Materials, 2022, 9, 015017.	4.4	5
25	Chiral structures of 6,12-dibromochrysene on Au(111) and Cu(111) surfaces. Chinese Chemical Letters, 2022, 33, 5142-5146.	9.0	5
26	Topological-Defect-Induced Superstructures on Graphite Surface. Chinese Physics Letters, 2021, 38, 027201.	3.3	4
27	On-surface synthesis and characterization of nitrogen-doped covalent-organic frameworks on Ag(111) substrate. Journal of Chemical Physics, 2022, 157, .	3.0	4
28	Enhancement of the low-temperature catalytic graphitization of polyacrylonitrile by incorporating Cu nanostructures as plasmonic photocatalyst. Journal of Materials Science, 2022, 57, 1703-1713.	3.7	3
29	Chemical vapor deposition growth behavior of graphene. International Journal of Minerals, Metallurgy and Materials, 2022, 29, 136-143.	4.9	3
30	Intrinsically patterned corrals in monolayer Ag5Se2 and selective molecular co-adsorption. Nano Research, 2022, 15, 6730-6735.	10.4	3
31	Revealing the high-resolution structures and electronic properties of ZnTPP and its derivatives formed by thermally induced cyclodehydrogenation on Au(111). Physical Chemistry Chemical Physics, 2021, 23, 18930-18935.	2.8	2
32	Research Progress of On-surface Chemical Reaction for Organics in Ultra-High Vacuum. Acta Chimica Sinica, 2018, 76, 585.	1.4	2
33	The effect of copper substrateâ€™s roughness on graphene growth process via PECVD. Materials Research Express, 2018, 5, 045604.	1.6	1
34	Controllable synthesis of anatase titanium dioxide nanowires with high-temperature stability. Journal of Materials Science, 2022, 57, 9164-9171.	3.7	1
35	Onâ€surface Synthesis of Nitrogenâ€doped Graphene Nanoribbon with Multiple Substitutional Sites. Angewandte Chemie, 0, , .	2.0	0