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	Energy band engineering via â€œBiteâ€•defect located on N = 8 armchair graphene nanoribbons. Nano Research, 2022, 15, 653-658.	10.4	16
2	Se-concentration dependent superstructure transformations of CuSe monolayer on Cu(111) substrate. 2D Materials, 2022, 9, 015017.	4.4	5
3	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
4	Chemical vapor deposition growth behavior of graphene. International Journal of Minerals, Metallurgy and Materials, 2022, 29, 136-143.	4.9	3
5	Chiral structures of 6,12-dibromochrysene on Au(111) and Cu(111) surfaces. Chinese Chemical Letters, 2022, 33, 5142-5146.	9.0	5
6	Onâ€Surface Synthesis of a Nitrogenâ€Doped Graphene Nanoribbon with Multiple Substitutional Sites. Angewandte Chemie - International Edition, 2022, 61, .	13.8	13
7	Controllable synthesis of anatase titanium dioxide nanowires with high-temperature stability. Journal of Materials Science, 2022, 57, 9164-9171.	3.7	1
8	Intrinsically patterned corrals in monolayer Ag5Se2 and selective molecular co-adsorption. Nano Research, 2022, 15, 6730-6735.	10.4	3
9	On-surface synthesis and characterization of nitrogen-doped covalent-organic frameworks on Ag(111) substrate. Journal of Chemical Physics, 2022, 157, .	3.0	4
10	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
11	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
12	Topological-Defect-Induced Superstructures on Graphite Surface. Chinese Physics Letters, 2021, 38, 027201.	3.3	4
13	Structural characterizations and electronic properties of CuSe monolayer endowed with triangular nanopores. Journal of Materials Science, 2021, 56, 10406-10413.	3.7	7
14	Honeycomb AgSe Monolayer Nanosheets for Studying Two-dimensional Dirac Nodal Line Fermions. ACS Applied Nano Materials, 2021, 4, 8845-8850.	5.0	13
15	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
16	Tuning the Electronic Properties of Atomically Precise Graphene Nanoribbons by Bottomâ€Up Fabrication. ChemNanoMat, 2020, 6, 493-515.	2.8	10
17	On-Surface Synthesis and Characterization of Polythiophene Chains. Journal of Physical Chemistry C, 2020, 124, 764-768.	3.1	6
18	Epitaxial fabrication of monolayer copper arsenide on Cu(111)*. Chinese Physics B, 2020, 29, 077301.	1.4	5

#	Article	IF	Citations
19	Airâ€Stable Monolayer Cu₂Se Exhibits a Purely Thermal Structural Phase Transition. Advanced Materials, 2020, 32, e1908314.	21.0	26
20	Experimental Synthesis of Strained Monolayer Silver Arsenide on Ag(111) Substrates. Chinese Physics Letters, 2020, 37, 068103.	3.3	10
21	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
22	On-surface synthesis of one-type pore single-crystal porous covalent organic frameworks. Chemical Communications, 2019, 55, 10800-10803.	4.1	9
23	Epitaxial Growth of Honeycomb Monolayer CuSe with Dirac Nodal Line Fermions. Advanced Materials, 2018, 30, e1707055.	21.0	110
24	The effect of copper substrateâ€™s roughness on graphene growth process via PECVD. Materials Research Express, 2018, 5, 045604.	1.6	1
25	Controllable Density of Atomic Bromine in a Two-Dimensional Hydrogen Bond Network. Journal of Physical Chemistry C, 2018, 122, 25681-25684.	3.1	6
26	Research Progress of On-surface Chemical Reaction for Organics in Ultra-High Vacuum. Acta Chimica Sinica, 2018, 76, 585.	1.4	2
27	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
28	Intrinsically patterned two-dimensional materials for selective adsorption of molecules andÂnanoclusters. Nature Materials, 2017, 16, 717-721.	27.5	150
29	Construction of Two-Dimensional Chiral Networks through Atomic Bromine on Surfaces. Journal of Physical Chemistry Letters, 2017, 8, 326-331.	4.6	33
30	Sulfur-doped graphene nanoribbons with a sequence of distinct band gaps. Nano Research, 2017, 10, 3377-3384.	10.4	44
31	Construction of single-crystalline supramolecular networks of perchlorinated hexa-peri-hexabenzocoronene on Au(111). Journal of Chemical Physics, 2015, 142, 101911.	3.0	13
32	Direct visualization of atomically precise nitrogen-doped graphene nanoribbons. Applied Physics Letters, 2014, 105, .	3.3	82
33	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
34	Commensurateâ€“incommensurate transition in graphene on hexagonal boron nitride. Nature Physics, 2014, 10, 451-456.	16.7	737
35	Onâ€surface Synthesis of Nitrogenâ€doped Graphene Nanoribbon with Multiple Substitutional Sites. Angewandte Chemie, 0, , .	2.0	0