Hongtao Liu

List of Publications by Year
in descending order

23 papers	2,619 citations	687363 13 h-index	713466 21 g-index
23 all docs	23 docs citations	23 times ranked	5274 citing authors

#	Article	IF	Citations
1	van der Waals epitaxial growth and high-temperature ferrimagnetism in ultrathin crystalline magnetite (Fe₃O₄) nanosheets. Journal of Materials Chemistry C, 2022, 10, 7058-7065.	5.5	4
2	Magnetically tunable Shubnikovâ€“de Haas oscillations in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Mn</mml:mi><mml:msub><mml:mi>Bi</mml:mi><mml:mi><mml:m Physical Review B, 2022, 105, .	3.2	2
3	Dimensional crossover in self-intercalated antiferromagnetic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi mathvariant="normal">V</mml:mi><mml:mn>5</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">S</mml:mi><mml:mn>8</mml:mn></mml:msub></mml:mrow></mml:math> nanoflakes. Physical Review B, 2022, 105, .	3.2	6
4	Van Der Waals Epitaxial Growth and Phase Transition of Layered FeSe₂ Nanocrystals. Advanced Materials, 2021, 33, e2008456.	21.0	35
5	One-dimensional weak antilocalization effect in 1Tâ€²-MoTe2 nanowires grown by chemical vapor deposition. Journal of Physics Condensed Matter, 2021, 33, 185701.	1.8	0
6	Role of topological surface states and mirror symmetry in topological crystalline insulator SnTe as an efficient electrocatalyst. Nanoscale, 2021, 13, 18160-18172.	5.6	14
7	Synthesis, Transfer, and Properties of Layered FeTe₂ Nanocrystals. ACS Nano, 2020, 14, 11473-11481.	14.6	40
8	Observation of the Kondo Effect in Multilayer Single-Crystalline VTe₂ Nanoplates. Nano Letters, 2019, 19, 8572-8580.	9.1	52
9	Quasi-2D Transport and Weak Antilocalization Effect in Few-layered VSe₂. Nano Letters, 2019, 19, 4551-4559.	9.1	60
10	Airâ€Stable Symmetric Ambipolar Fieldâ€Effect Transistors Based on Reduced Graphene Oxideâ€OTS Selfâ€Assembled Monolayer Heterostructure. ChemNanoMat, 2019, 5, 472-478.	2.8	2
11	A Ferroelectric/Electrochemical Modulated Organic Synapse for Ultraflexible, Artificial Visualâ€Perception System. Advanced Materials, 2018, 30, e1803961.	21.0	292
12	A Retinaâ€Like Dual Band Organic Photosensor Array for Filterâ€Free Nearâ€Infraredâ€toâ€Memory Operations. Advanced Materials, 2017, 29, 1701772.	21.0	95
13	4. Controlled Chemical Synthesis in CVD Graphene. , 2017, , .		1
14	Controlled Chemical Synthesis in CVD Graphene. ChemistrySelect, 2017, 2, .	1.5	7
15	Threeâ€Component Integrated Ultrathin Organic Photosensors for Plastic Optoelectronics. Advanced Materials, 2016, 28, 624-630.	21.0	48
16	Facile synthesis of reduced graphene oxide-modified, nitrogen-doped carbon xerogel with enhanced electrochemical capacitance. Materials Chemistry and Physics, 2014, 148, 1171-1177.	4.0	8
17	Inkjet Printing Shortâ€Channel Polymer Transistors with Highâ€Performance and Ultrahigh Photoresponsivity. Advanced Materials, 2014, 26, 4683-4689.	21.0	82
18	Reduction of graphene oxide to highly conductive graphene by Lawesson's reagent and its electrical applications. Journal of Materials Chemistry C, 2013, 1, 3104.	5.5	150

#	Article	IF	Citations
19	A General Approach for Fast Detection of Charge Carrier Type and Conductivity Difference in Nanoscale Materials. Advanced Materials, 2013, 25, 7015-7019.	21.0	9
20	Inkjet Printing Highâ€Resolution, Largeâ€Area Graphene Patterns by Coffeeâ€Ring Lithography. Advanced Materials, 2012, 24, 436-440.	21.0	154
21	Chemical doping of graphene. Journal of Materials Chemistry, 2011, 21, 3335-3345.	6.7	1,433
22	General Route toward Patterning of Graphene Oxide by a Combination of Wettability Modulation and Spin-Coating. ACS Nano, 2010, 4, 5749-5754.	14.6	62
23	High quality graphene with large flakes exfoliated by oleyl amine. Chemical Communications, 2010, 46, 5728.	4.1	63