

Hongtao Liu

List of Publications by Year in descending order

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Version: 2024-02-01

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	Chemical doping of graphene. <i>Journal of Materials Chemistry</i> , 2011, 21, 3335-3345.	6.7	1,433
2	A Ferroelectric/Electrochemical Modulated Organic Synapse for Ultraflexible, Artificial Visual Perception System. <i>Advanced Materials</i> , 2018, 30, e1803961.	21.0	292
3	Inkjet Printing High-Resolution, Large-Area Graphene Patterns by Coffee-Ring Lithography. <i>Advanced Materials</i> , 2012, 24, 436-440.	21.0	154
4	Reduction of graphene oxide to highly conductive graphene by Lawesson's reagent and its electrical applications. <i>Journal of Materials Chemistry C</i> , 2013, 1, 3104.	5.5	150
5	A Retina-Like Dual Band Organic Photosensor Array for Filter-Free Near-Infrared Memory Operations. <i>Advanced Materials</i> , 2017, 29, 1701772.	21.0	95
6	Inkjet Printing Short-Channel Polymer Transistors with High-Performance and Ultrahigh Photoresponsivity. <i>Advanced Materials</i> , 2014, 26, 4683-4689.	21.0	82
7	High quality graphene with large flakes exfoliated by oleyl amine. <i>Chemical Communications</i> , 2010, 46, 5728.	4.1	63
8	General Route toward Patterning of Graphene Oxide by a Combination of Wettability Modulation and Spin-Coating. <i>ACS Nano</i> , 2010, 4, 5749-5754.	14.6	62
9	Quasi-2D Transport and Weak Antilocalization Effect in Few-layered VSe_2 . <i>Nano Letters</i> , 2019, 19, 4551-4559.	9.1	60
10	Observation of the Kondo Effect in Multilayer Single-Crystalline VTe_2 Nanoplates. <i>Nano Letters</i> , 2019, 19, 8572-8580.	9.1	52
11	Three-Component Integrated Ultrathin Organic Photosensors for Plastic Optoelectronics. <i>Advanced Materials</i> , 2016, 28, 624-630.	21.0	48
12	Synthesis, Transfer, and Properties of Layered $FeTe_2$ Nanocrystals. <i>ACS Nano</i> , 2020, 14, 11473-11481.	14.6	40
13	Van Der Waals Epitaxial Growth and Phase Transition of Layered $FeSe_2$ Nanocrystals. <i>Advanced Materials</i> , 2021, 33, e2008456.	21.0	35
14	Role of topological surface states and mirror symmetry in topological crystalline insulator SnTe as an efficient electrocatalyst. <i>Nanoscale</i> , 2021, 13, 18160-18172.	5.6	14
15	A General Approach for Fast Detection of Charge Carrier Type and Conductivity Difference in Nanoscale Materials. <i>Advanced Materials</i> , 2013, 25, 7015-7019.	21.0	9
16	Facile synthesis of reduced graphene oxide-modified, nitrogen-doped carbon xerogel with enhanced electrochemical capacitance. <i>Materials Chemistry and Physics</i> , 2014, 148, 1171-1177.	4.0	8
17	Controlled Chemical Synthesis in CVD Graphene. <i>ChemistrySelect</i> , 2017, 2, .	1.5	7
18	Dimensional crossover in self-intercalated antiferromagnetic V_5S_8 nanoflakes. <i>Physical Review B</i> , 2022, 105, .	3.2	6

#	ARTICLE	IF	CITATIONS
19	van der Waals epitaxial growth and high-temperature ferrimagnetism in ultrathin crystalline magnetite (Fe ₃ O ₄) nanosheets. Journal of Materials Chemistry C, 2022, 10, 7058-7065.	5.5	4
20	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
21	Magnetically tunable Shubnikovâ€de Haas oscillations in $MnBi$. Physical Review B, 2022, 105, .		
22	4. Controlled Chemical Synthesis in CVD Graphene., 2017,, .		1
23	One-dimensional weak antilocalization effect in 1Tâ€MoTe ₂ nanowires grown by chemical vapor deposition. Journal of Physics Condensed Matter, 2021, 33, 185701.	1.8	0