

Chuan Xu

List of Publications by Year in descending order

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31
papers

3,245
citations

566801
15
h-index

454577
30
g-index

31
all docs

31
docs citations

31
times ranked

5047
citing authors

#	ARTICLE	IF	CITATIONS
1	Large-area high-quality 2D ultrathin Mo ₂ C superconducting crystals. <i>Nature Materials</i> , 2015, 14, 1135-1141.	13.3	1,045
2	Chemical vapor deposition of layered two-dimensional MoSi ₂ N ₄ materials. <i>Science</i> , 2020, 369, 670-674.	6.0	556
3	3D Graphene-Foam-Reduced-Graphene-Oxide Hybrid Nested Hierarchical Networks for High-Performance Li-S Batteries. <i>Advanced Materials</i> , 2016, 28, 1603-1609.	11.1	497
4	Nitrogen-Superdoped 3D Graphene Networks for High-Performance Supercapacitors. <i>Advanced Materials</i> , 2017, 29, 1701677.	11.1	230
5	Synergistic Effect of Aligned Graphene Nanosheets in Graphene Foam for High-Performance Thermally Conductive Composites. <i>Advanced Materials</i> , 2019, 31, e1900199.	11.1	173
6	Ultrathin 2D Transition Metal Carbides for Ultrafast Pulsed Fiber Lasers. <i>ACS Photonics</i> , 2018, 5, 1808-1816.	3.2	148
7	Strongly Coupled High-Quality Graphene/2D Superconducting Mo ₂ C Vertical Heterostructures with Aligned Orientation. <i>ACS Nano</i> , 2017, 11, 5906-5914.	7.3	110
8	Unique Domain Structure of Two-Dimensional $\hat{1}\pm$ -Mo ₂ C Superconducting Crystals. <i>Nano Letters</i> , 2016, 16, 4243-4250.	4.5	101
9	Magnetotransport Properties in High-Quality Ultrathin Two-Dimensional Superconducting Mo ₂ C Crystals. <i>ACS Nano</i> , 2016, 10, 4504-4510.	7.3	69
10	Second Time-Scale Synthesis of High-Quality Graphite Films by Quenching for Effective Electromagnetic Interference Shielding. <i>ACS Nano</i> , 2020, 14, 3121-3128.	7.3	57
11	Ultrafast growth of nanocrystalline graphene films by quenching and grain-size-dependent strength and bandgap opening. <i>Nature Communications</i> , 2019, 10, 4854.	5.8	43
12	Interlayer epitaxy of wafer-scale high-quality uniform AB-stacked bilayer graphene films on liquid Pt ₃ Si/solid Pt. <i>Nature Communications</i> , 2019, 10, 2809.	5.8	43
13	Potassium-Induced Phase Stability Enables Stable and Efficient Wide-Bandgap Perovskite Solar Cells. <i>Solar Rrl</i> , 2020, 4, 2000098.	3.1	37
14	The influence of paleoclimate and a marine transgression event on organic matter accumulation in lacustrine black shales from the Late Cretaceous, southern Songliao Basin, Northeast China. <i>International Journal of Coal Geology</i> , 2021, 246, 103842.	1.9	24
15	Layer-Stacking, Defects, and Robust Superconductivity on the Mo-Terminated Surface of Ultrathin Mo ₂ C Flakes Grown by CVD. <i>Nano Letters</i> , 2019, 19, 3327-3335.	4.5	21
16	Ultrafast Transition of Nonuniform Graphene to High-Quality Uniform Monolayer Films on Liquid Cu. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 17629-17636.	4.0	10
17	Distinct superconducting properties and hydrostatic pressure effects in 2D $\hat{1}\pm$ - and $\hat{1}^2$ -Mo ₂ C crystal sheets. <i>NPG Asia Materials</i> , 2020, 12, .	3.8	10
18	Magnetotransport in Ultrathin 2-D Superconducting Mo ₂ C Crystals. <i>IEEE Transactions on Magnetism</i> , 2017, 53, 1-4.	1.2	9

#	ARTICLE	IF	CITATIONS
19	Circular Graphene Platelets with Grain Size and Orientation Gradients Grown by Chemical Vapor Deposition. <i>Advanced Materials</i> , 2017, 29, 1605451.	11.1	8
20	Graphene and Mo ₂ C vertical heterostructure for femtosecond mode-locked lasers [Invited]. <i>Optical Materials Express</i> , 2019, 9, 3268.	1.6	8
21	DAST Optical Damage Tolerance Enhancement and Robust Lasing via Supramolecular Strategy. <i>ACS Photonics</i> , 2020, 7, 2132-2138.	3.2	7
22	Superhigh Uniform Magnetic Cr Substitution in a 2D Mo ₂ C Superconductor for a Macroscopic Scale Kondo Effect. <i>Advanced Materials</i> , 2020, 32, 2002825.	11.1	7
23	Magnetic Doping Induced Superconductivity-to-Incommensurate Density Waves Transition in a 2D Ultrathin Cr-Doped Mo ₂ C Crystal. <i>ACS Nano</i> , 2021, 15, 14938-14946.	7.3	7
24	The formation of early Eocene organic-rich mudstone in the western Pearl River Mouth Basin, South China: Insight from paleoclimate and hydrothermal activity. <i>International Journal of Coal Geology</i> , 2022, 253, 103957.	1.9	7
25	Transport Properties of Topological Semimetal Tungsten Carbide in the 2D Limit. <i>Advanced Electronic Materials</i> , 2019, 5, 1800839.	2.6	5
26	The fluctuation of warm paleoclimatic controls on lacustrine carbonate deposition in the Late Cretaceous (late Santonian), Southern Songliao Basin, Northeast China. <i>International Journal of Earth Sciences</i> , 2022, 111, 85-102.	0.9	4
27	Organic Matter Accumulation in the Youganwo Formation (Middle Eocene), Maoming Basin, South China: Constraints from Multiple Geochemical Proxies and Organic Petrology. <i>ACS Earth and Space Chemistry</i> , 2022, 6, 714-732.	1.2	3
28	Transport through a network of two-dimensional NbC superconducting crystals connected via weak links. <i>Physical Review B</i> , 2020, 101, .	1.1	2
29	Fractal Characterization of Nanoscale Pores of Volcanic Reservoirs in the Dongling Area, Changling Fault Depression, Songliao Basin. <i>Natural Resources Research</i> , 2021, 30, 3483-3502.	2.2	2
30	A graphene-Mo ₂ C heterostructure for a highly responsive broadband photodetector. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 23024-23031.	1.3	1
31	Resonant Scattering in Proximity-Coupled Graphene/Superconducting Mo ₂ C Heterostructures. <i>Advanced Science</i> , 0, , 2201343.	5.6	1