Chenggang Tao

List of Publications by Year
in descending order

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38	1,737	471509 17	330143 37
papers	citations	h-index	g-index

38	38	38	3072
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Atomic-Scale Visualization of Polar Domain Boundaries in Ferroelectric In₂Se₃ at the Monolayer Limit. Journal of Physical Chemistry Letters, 2021, 12, 11902-11909.	4.6	7
2	Low-temperature chemical vapor deposition growth of graphene films enabled by ultrathin alloy catalysts. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2020, 38, 032202.	1.2	5
3	Visualization of point defects in ultrathin layered 1T-PtSe ₂. 2D Materials, 2019, 6, 041005.	4.4	52
4	Differences in self-assembly of spherical C60 and planar PTCDA on rippled graphene surfaces. Carbon, 2019, 145, 549-555.	10.3	16
5	Atomic-Scale Observation of Reversible Thermally Driven Phase Transformation in 2D In₂Se₃. ACS Nano, 2019, 13, 8004-8011.	14.6	57
6	Unveiling the Layerâ€Dependent Catalytic Activity of PtSe₂ Atomic Crystals for the Hydrogen Evolution Reaction. Angewandte Chemie - International Edition, 2019, 58, 6977-6981.	13.8	76
7	Convergent ion beam alteration of 2D materials and metal-2D interfaces. 2D Materials, 2019, 6, 034005.	4.4	24
8	Unveiling the Layerâ€Dependent Catalytic Activity of PtSe₂ Atomic Crystals for the Hydrogen Evolution Reaction. Angewandte Chemie, 2019, 131, 7051-7055.	2.0	37
9	Electrical Stressing Induced Monolayer Vacancy Island Growth on TiSe2. Nano Letters, 2018, 18, 2179-2185.	9.1	11
10	Self-assembled PCBM bilayers on graphene and HOPG examined by AFM and STM. Nanotechnology, 2018, 29, 185703.	2.6	3
11	Preparation and Characterization of C₆₀/Graphene Hybrid Nanostructures. Journal of Visualized Experiments, 2018, , .	0.3	0
12	Atomically Resolved Observation of Continuous Interfaces between an As-Grown MoS₂ Monolayer and a WS₂/MoS₂ Heterobilayer on SiO₂. ACS Applied Nano Materials, 2018, 1, 2041-2048.	5.0	13
13	Suppression of the Charge Density Wave State in Twoâ€Dimensional 1Tâ€TiSe₂ by Atmospheric Oxidation. Angewandte Chemie - International Edition, 2017, 56, 8981-8985.	13.8	48
14	Epitaxial thin films of pyrochlore iridate Bi2+xIr2-yO7-Î´: structure, defects and transport properties. Scientific Reports, 2017, 7, 7740.	3.3	29
15	Strain Release Induced Novel Fluorescence Variation in CVD-Grown Monolayer WS₂ Crystals. ACS Applied Materials & Interfaces, 2017, 9, 34071-34077.	8.0	17
16	Suppression of the Charge Density Wave State in Twoâ€Dimensional 1Tâ€TiSe₂ by Atmospheric Oxidation. Angewandte Chemie, 2017, 129, 9109-9113.	2.0	2
17	Controlled Synthesis of Two-Dimensional 1T-TiSe₂ with Charge Density Wave Transition by Chemical Vapor Transport. Journal of the American Chemical Society, 2016, 138, 16216-16219.	13.7	80
18	Ripples near edge terminals in MoS2 few layers and pyramid nanostructures. Applied Physics Letters, 2016, 108, .	3.3	14

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19	Temperature Evolution of Quasi-one-dimensional C60 Nanostructures on Rippled Graphene. Scientific Reports, 2015, 5, 14336.	3.3	13
20	Experimentally Engineering the Edge Termination of Graphene Nanoribbons. ACS Nano, 2013, 7, 198-202.	14.6	147
21	Spatially resolving edge states of chiral grapheneÂnanoribbons. Nature Physics, 2011, 7, 616-620.	16.7	628
22	Surface Electromigration and Current Crowding. Springer Series in Surface Sciences, 2011, , 113-143.	0.3	3
23	Visualizing the Electron Scattering Force in Nanostructures. Science, 2010, 328, 736-740.	12.6	69
24	Impurity Decoration for Crystal Shape Control:<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi mathvariant="normal">C</mml:mi><mml:mn>60</mml:mn></mml:msub></mml:math>on Ag(111). Physical Review Letters, 2009, 102, 085501.	7.8	11
25	Spatial Resolution of a Type II Heterojunction in a Single Bipolar Molecule. Nano Letters, 2009, 9, 3963-3967.	9.1	27
26	Dynamic interfaces in an organic thin film. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 16418-16425.	7.1	11
27	Temporal step fluctuations on a conductor surface: electromigration force, surface resistivity and low-frequency noise. New Journal of Physics, 2007, 9, 387-387.	2.9	13
28	Generalized survival in step fluctuations. Physical Review E, 2007, 76, 021601.	2.1	2
29	Metalâ^'Molecule Interface Fluctuations. Nano Letters, 2007, 7, 1495-1499.	9.1	13
30	Surface morphology and step fluctuations on Ag nanowires. Surface Science, 2007, 601, 4939-4943.	1.9	23
31	Step fluctuations onAg(111)surfaces withC60. Physical Review B, 2006, 73, .	3.2	15
32	Coverage Dependent Supramolecular Structures:â€‰C₆₀:ACA Monolayers on Ag(111). Journal of the American Chemical Society, 2006, 128, 8493-8499.	13.7	61
33	Sampling-time effects for persistence and survival in step structural fluctuations. Physical Review E, 2005, 71, 021602.	2.1	16
34	Chiral Symmetry Breaking in Two-Dimensional C60â^'ACA Intermixed Systems. Nano Letters, 2005, 5, 2207-2211.	9.1	54
35	Femtosecond electron diffraction for direct measurement of ultrafast atomic motions. Applied Physics Letters, 2003, 83, 1044-1046.	3.3	123
36	One-dimensional chains of gold clusters on the surface of highly oriented pyrolytic graphite. Science in China Series D: Earth Sciences, 2001, 44, 398-402.	0.9	3

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37	Ultrahigh vacuum scanning probe microscopy studies of carbon onions. Physica E: Low-Dimensional Systems and Nanostructures, 2001, 9, 300-304.	2.7	11
38	Investigation on the Structure and Electric Properties of Bucky Onionsî€'. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2001, 17, 427-431.	4.9	3