

Zijing Ding

List of Publications by Year in descending order

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33
papers

3,612
citations

279487

23
h-index

395343

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33
all docs

33
docs citations

33
times ranked

5367
citing authors

#	ARTICLE	IF	CITATIONS
1	Evidence of Silicene in Honeycomb Structures of Silicon on Ag(111). <i>Nano Letters</i> , 2012, 12, 3507-3511.	4.5	1,190
2	Evidence for Dirac Fermions in a Honeycomb Lattice Based on Silicon. <i>Physical Review Letters</i> , 2012, 109, 056804.	2.9	634
3	Spontaneous Symmetry Breaking and Dynamic Phase Transition in Monolayer Silicene. <i>Physical Review Letters</i> , 2013, 110, 085504.	2.9	205
4	Chemical Stabilization of 1T ϵ^2 Phase Transition Metal Dichalcogenides with Giant Optical Kerr Nonlinearity. <i>Journal of the American Chemical Society</i> , 2017, 139, 2504-2511.	6.6	171
5	Towards understanding the effects of carbon and nitrogen-doped carbon coating on the electrochemical performance of Li ₄ Ti ₅ O ₁₂ in lithium ion batteries: a combined experimental and theoretical study. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 15127.	1.3	169
6	Molecular Beam Epitaxy of Highly Crystalline Monolayer Molybdenum Disulfide on Hexagonal Boron Nitride. <i>Journal of the American Chemical Society</i> , 2017, 139, 9392-9400.	6.6	167
7	Engineering Bandgaps of Monolayer MoS ₂ and WS ₂ on Fluoropolymer Substrates by Electrostatically Tuned Many-Body Effects. <i>Advanced Materials</i> , 2016, 28, 6457-6464.	11.1	116
8	Mo-Terminated Edge Reconstructions in Nanoporous Molybdenum Disulfide Film. <i>Nano Letters</i> , 2018, 18, 482-490.	4.5	105
9	Amino group enhanced phenazine derivatives as electrode materials for lithium storage. <i>Chemical Communications</i> , 2017, 53, 2914-2917.	2.2	81
10	Stacking-dependent electronic structure of bilayer silicene. <i>Applied Physics Letters</i> , 2014, 104, .	1.5	70
11	Atom-by-Atom Fabrication of Monolayer Molybdenum Membranes. <i>Advanced Materials</i> , 2018, 30, e1707281.	11.1	66
12	Homoepitaxial Growth of Large-Scale Highly Organized Transition Metal Dichalcogenide Patterns. <i>Advanced Materials</i> , 2018, 30, 1704674.	11.1	63
13	Observation of Gap Opening in 1T ϵ^2 Phase MoS ₂ Nanocrystals. <i>Nano Letters</i> , 2018, 18, 5085-5090.	4.5	60
14	Electronic Properties of a 1D Intrinsic/p-Doped Heterojunction in a 2D Transition Metal Dichalcogenide Semiconductor. <i>ACS Nano</i> , 2017, 11, 9128-9135.	7.3	58
15	Oscillating edge states in one-dimensional MoS ₂ nanowires. <i>Nature Communications</i> , 2016, 7, 12904.	5.8	57
16	Gap States at Low-Angle Grain Boundaries in Monolayer Tungsten Diselenide. <i>Nano Letters</i> , 2016, 16, 3682-3688.	4.5	55
17	Strain Modulation by van der Waals Coupling in Bilayer Transition Metal Dichalcogenide. <i>ACS Nano</i> , 2018, 12, 1940-1948.	7.3	51
18	Fabry-Perot Cavity-Enhanced Optical Absorption in Ultrasensitive Tunable Photodiodes Based on Hybrid 2D Materials. <i>Nano Letters</i> , 2017, 17, 7593-7598.	4.5	48

#	ARTICLE	IF	CITATIONS
19	Three-dimensional metal-intercalated covalent organic frameworks for near-ambient energy storage. <i>Scientific Reports</i> , 2013, 3, 1882.	1.6	31
20	Turning on and off the Rotational Oscillation of a Single Porphine Molecule by Molecular Charge State. <i>ACS Nano</i> , 2012, 6, 4132-4136.	7.3	30
21	Chen <i>et al.</i> Reply. <i>Physical Review Letters</i> , 2013, 110, 229702.	2.9	30
22	Plasmon-induced dynamics of H ₂ splitting on a silver atomic chain. <i>Applied Physics Letters</i> , 2015, 107, .	1.5	30
23	Multilayered silicene: the bottom-up approach for a weakly relaxed Si(111) with Dirac surface states. <i>Nanoscale</i> , 2015, 7, 15880-15885.	2.8	28
24	Controllable Synthesis of 2D and 1D MoS ₂ Nanostructures on Au Surface. <i>Advanced Functional Materials</i> , 2017, 27, 1603887.	7.8	15
25	Two-dimensional silicon-carbon hybrids with a honeycomb lattice: New family for two-dimensional photovoltaic materials. <i>Science China: Physics, Mechanics and Astronomy</i> , 2015, 58, 1.	2.0	13
26	Epitaxial Growth of Single-Layer Niobium Selenides with Controlled Stoichiometric Phases. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800429.	1.9	13
27	Inducing Transient Charge State of a Single Water Cluster on Cu(111) Surface. <i>ACS Nano</i> , 2016, 10, 4489-4495.	7.3	12
28	Atomistic mechanism of charge separation upon photoexcitation at the dye-semiconductor interface for photovoltaic applications. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 13196.	1.3	9
29	Controlling catalytic activity of gold cluster on MgO thin film for water splitting. <i>Physical Review Materials</i> , 2017, 1, .	0.9	9
30	Networked Spin Cages: Tunable Magnetism and Lithium Ion Storage via Modulation of Spin-Electron Interactions. <i>Inorganic Chemistry</i> , 2016, 55, 9892-9897.	1.9	8
31	Promote water photosplitting via tuning quantum well states in supported metal clusters. <i>Physical Review B</i> , 2012, 86, .	1.1	7
32	Liquid-solid surface phase transformation of fluorinated fullerene on monolayer tungsten diselenide. <i>Physical Review B</i> , 2018, 97, .	1.1	7
33	Orbital dependent interaction of quantum well states for catalytic water splitting. <i>New Journal of Physics</i> , 2015, 17, 013023.	1.2	4