Zijing Ding

List of Publications by Year in descending order

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33 papers	3,612 citations	279798 23 h-index	395702 33 g-index
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). Nano Letters, 2012, 12, 3507-3511.	9.1	1,190
2	Evidence for Dirac Fermions in a Honeycomb Lattice Based on Silicon. Physical Review Letters, 2012, 109, 056804.	7.8	634
3	Spontaneous Symmetry Breaking and Dynamic Phase Transition in Monolayer Silicene. Physical Review Letters, 2013, 110, 085504.	7.8	205
4	Chemical Stabilization of 1Tâ€² Phase Transition Metal Dichalcogenides with Giant Optical Kerr Nonlinearity. Journal of the American Chemical Society, 2017, 139, 2504-2511.	13.7	171
5	Towards understanding the effects of carbon and nitrogen-doped carbon coating on the electrochemical performance of Li4Ti5O12 in lithium ion batteries: a combined experimental and theoretical study. Physical Chemistry Chemical Physics, 2011, 13, 15127.	2.8	169
6	Molecular Beam Epitaxy of Highly Crystalline Monolayer Molybdenum Disulfide on Hexagonal Boron Nitride. Journal of the American Chemical Society, 2017, 139, 9392-9400.	13.7	167
7	Engineering Bandgaps of Monolayer MoS₂ and WS₂ on Fluoropolymer Substrates by Electrostatically Tuned Manyâ€Body Effects. Advanced Materials, 2016, 28, 6457-6464.	21.0	116
8	Mo-Terminated Edge Reconstructions in Nanoporous Molybdenum Disulfide Film. Nano Letters, 2018, 18, 482-490.	9.1	105
9	Amino group enhanced phenazine derivatives as electrode materials for lithium storage. Chemical Communications, 2017, 53, 2914-2917.	4.1	81
10	Stacking-dependent electronic structure of bilayer silicene. Applied Physics Letters, 2014, 104, .	3.3	70
11	Atomâ€byâ€Atom Fabrication of Monolayer Molybdenum Membranes. Advanced Materials, 2018, 30, e1707281.	21.0	66
12	Homoepitaxial Growth of Largeâ€Scale Highly Organized Transition Metal Dichalcogenide Patterns. Advanced Materials, 2018, 30, 1704674.	21.0	63
13	Observation of Gap Opening in 1Tâ€² Phase MoS₂ Nanocrystals. Nano Letters, 2018, 18, 5085-5090.	9.1	60
14	Electronic Properties of a 1D Intrinsic/p-Doped Heterojunction in a 2D Transition Metal Dichalcogenide Semiconductor. ACS Nano, 2017, 11, 9128-9135.	14.6	58
15	Oscillating edge states in one-dimensional MoS2 nanowires. Nature Communications, 2016, 7, 12904.	12.8	57
16	Gap States at Low-Angle Grain Boundaries in Monolayer Tungsten Diselenide. Nano Letters, 2016, 16, 3682-3688.	9.1	55
17	Strain Modulation by van der Waals Coupling in Bilayer Transition Metal Dichalcogenide. ACS Nano, 2018, 12, 1940-1948.	14.6	51
18	Fabryâ€“Perot Cavity-Enhanced Optical Absorption in Ultrasensitive Tunable Photodiodes Based on Hybrid 2D Materials. Nano Letters, 2017, 17, 7593-7598.	9.1	48

#	Article	IF	Citations
19	Three-dimensional metal-intercalated covalent organic frameworks for near-ambient energy storage. Scientific Reports, 2013, 3, 1882.	3.3	31
20	Turning on and off the Rotational Oscillation of a Single Porphine Molecule by Molecular Charge State. ACS Nano, 2012, 6, 4132-4136.	14.6	30
21	ChenetÂal.Reply:. Physical Review Letters, 2013, 110, 229702.	7.8	30
22	Plasmon-induced dynamics of H2 splitting on a silver atomic chain. Applied Physics Letters, 2015, 107, .	3.3	30
23	Multilayered silicene: the bottom-up approach for a weakly relaxed Si(111) with Dirac surface states. Nanoscale, 2015, 7, 15880-15885.	5.6	28
24	Controllable Synthesis of 2D and 1D MoS₂ Nanostructures on Au Surface. Advanced Functional Materials, 2017, 27, 1603887.	14.9	15
25	Two-dimensional silicon-carbon hybrids with a honeycomb lattice: New family for two-dimensional photovoltaic materials. Science China: Physics, Mechanics and Astronomy, 2015, 58, 1.	5.1	13
26	Epitaxial Growth of Singleâ€Layer Niobium Selenides with Controlled Stoichiometric Phases. Advanced Materials Interfaces, 2018, 5, 1800429.	3.7	13
27	Inducing Transient Charge State of a Single Water Cluster on Cu(111) Surface. ACS Nano, 2016, 10, 4489-4495.	14.6	12
28	Atomistic mechanism of charge separation upon photoexcitation at the dyeâ€“semiconductor interface for photovoltaic applications. Physical Chemistry Chemical Physics, 2011, 13, 13196.	2.8	9
29	Controlling catalytic activity of gold cluster on MgO thin film for water splitting. Physical Review Materials, 2017, 1, .	2.4	9
30	Networked Spin Cages: Tunable Magnetism and Lithium Ion Storage via Modulation of Spin-Electron Interactions. Inorganic Chemistry, 2016, 55, 9892-9897.	4.0	8
31	Promote water photosplitting via tuning quantum well states in supported metal clusters. Physical Review B, 2012, 86, .	3.2	7
32	Liquid-solid surface phase transformation of fluorinated fullerene on monolayer tungsten diselenide. Physical Review B, 2018, 97, .	3.2	7
33	Orbital dependent interaction of quantum well states for catalytic water splitting. New Journal of Physics, 2015, 17, 013023.	2.9	4