

# Zijing Ding

## List of Publications by Year in descending order

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33  
papers

3,612  
citations

279487

23  
h-index

395343

33  
g-index

33  
all docs

33  
docs citations

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times ranked

5367  
citing authors

#	ARTICLE	IF	CITATIONS
1	Liquid-solid surface phase transformation of fluorinated fullerene on monolayer tungsten diselenide. <i>Physical Review B</i> , 2018, 97, .	1.1	7
2	Strain Modulation by van der Waals Coupling in Bilayer Transition Metal Dichalcogenide. <i>ACS Nano</i> , 2018, 12, 1940-1948.	7.3	51
3	Mo-Terminated Edge Reconstructions in Nanoporous Molybdenum Disulfide Film. <i>Nano Letters</i> , 2018, 18, 482-490.	4.5	105
4	Atom-by-Atom Fabrication of Monolayer Molybdenum Membranes. <i>Advanced Materials</i> , 2018, 30, e1707281.	11.1	66
5	Homoepitaxial Growth of Large-Scale Highly Organized Transition Metal Dichalcogenide Patterns. <i>Advanced Materials</i> , 2018, 30, 1704674.	11.1	63
6	Observation of Gap Opening in 1T Phase MoS <sub>2</sub> Nanocrystals. <i>Nano Letters</i> , 2018, 18, 5085-5090.	4.5	60
7	Epitaxial Growth of Single-Layer Niobium Selenides with Controlled Stoichiometric Phases. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800429.	1.9	13
8	Amino group enhanced phenazine derivatives as electrode materials for lithium storage. <i>Chemical Communications</i> , 2017, 53, 2914-2917.	2.2	81
9	Chemical Stabilization of 1T Phase Transition Metal Dichalcogenides with Giant Optical Kerr Nonlinearity. <i>Journal of the American Chemical Society</i> , 2017, 139, 2504-2511.	6.6	171
10	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
11	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
12	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
13	Controllable Synthesis of 2D and 1D MoS <sub>2</sub> Nanostructures on Au Surface. <i>Advanced Functional Materials</i> , 2017, 27, 1603887.	7.8	15
14	Controlling catalytic activity of gold cluster on MgO thin film for water splitting. <i>Physical Review Materials</i> , 2017, 1, .	0.9	9
15	Gap States at Low-Angle Grain Boundaries in Monolayer Tungsten Diselenide. <i>Nano Letters</i> , 2016, 16, 3682-3688.	4.5	55
16	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
17	Oscillating edge states in one-dimensional MoS <sub>2</sub> nanowires. <i>Nature Communications</i> , 2016, 7, 12904.	5.8	57
18	Engineering Bandgaps of Monolayer MoS <sub>2</sub> and WS <sub>2</sub> on Fluoropolymer Substrates by Electrostatically Tuned Many-Body Effects. <i>Advanced Materials</i> , 2016, 28, 6457-6464.	11.1	116

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19	Inducing Transient Charge State of a Single Water Cluster on Cu(111) Surface. ACS Nano, 2016, 10, 4489-4495.	7.3	12
20	Orbital dependent interaction of quantum well states for catalytic water splitting. New Journal of Physics, 2015, 17, 013023.	1.2	4
21	Plasmon-induced dynamics of H <sub>2</sub> splitting on a silver atomic chain. Applied Physics Letters, 2015, 107, .	1.5	30
22	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.	2.0	13
23	Multilayered silicene: the bottom-up approach for a weakly relaxed Si(111) with Dirac surface states. Nanoscale, 2015, 7, 15880-15885.	2.8	28
24	Stacking-dependent electronic structure of bilayer silicene. Applied Physics Letters, 2014, 104, .	1.5	70
25	Chen <i>et al.</i> Reply. Physical Review Letters, 2013, 110, 229702.	2.9	30
26	Three-dimensional metal-intercalated covalent organic frameworks for near-ambient energy storage. Scientific Reports, 2013, 3, 1882.	1.6	31
27	Spontaneous Symmetry Breaking and Dynamic Phase Transition in Monolayer Silicene. Physical Review Letters, 2013, 110, 085504.	2.9	205
28	Turning on and off the Rotational Oscillation of a Single Porphine Molecule by Molecular Charge State. ACS Nano, 2012, 6, 4132-4136.	7.3	30
29	Promote water photosplitting via tuning quantum well states in supported metal clusters. Physical Review B, 2012, 86, .	1.1	7
30	Evidence for Dirac Fermions in a Honeycomb Lattice Based on Silicon. Physical Review Letters, 2012, 109, 056804.	2.9	634
31	Evidence of Silicene in Honeycomb Structures of Silicon on Ag(111). Nano Letters, 2012, 12, 3507-3511.	4.5	1,190
32	Atomistic mechanism of charge separation upon photoexcitation at the dye-semiconductor interface for photovoltaic applications. Physical Chemistry Chemical Physics, 2011, 13, 13196.	1.3	9
33	Towards understanding the effects of carbon and nitrogen-doped carbon coating on the electrochemical performance of Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> in lithium ion batteries: a combined experimental and theoretical study. Physical Chemistry Chemical Physics, 2011, 13, 15127.	1.3	169