

# Yi Zheng

## List of Publications by Year in descending order

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58  
papers

11,783  
citations

186265  
28  
h-index

138484  
58  
g-index

62  
all docs

62  
docs citations

62  
times ranked

18291  
citing authors



#	ARTICLE	IF	CITATIONS
19	Bulk and surface electronic structure of hexagonal structured $\text{PtBi}_2$ by angle-resolved photoemission spectroscopy. <i>Physical Review B</i> , 2016, 94, .		
20	Chemical Vapor Deposition of Large-Sized Hexagonal $\text{WSe}_2$ Crystals on Dielectric Substrates. <i>Advanced Materials</i> , 2015, 27, 6722-6727.	21.0	152
21	Establishment and characterization of a fish cell line from the brain of Japanese flounder <i>Paralichthys olivaceus</i> . <i>Journal of Fish Biology</i> , 2015, 87, 115-122.	1.6	23
22	Quantum Mechanical Rippling of a $\text{MoS}_2$ Controlled by Interlayer Bilayer Coupling. <i>Physical Review Letters</i> , 2015, 114, 065501.	17.0	201
23	Achieving 360% $\text{H}_2$ Hydrogen Production Rate Through 30-Cell Solid Oxide Electrolysis Stack with LSCF-GDC Composite Oxygen Electrode. <i>Fuel Cells</i> , 2014, 14, 1066-1070.	2.4	8
24	Quasi-Freestanding Graphene on Single Walled Carbon Nanotube Electrode for Applications in Organic Light-Emitting Diode. <i>Small</i> , 2014, 10, 944-949.	10.0	25
25	Giant enhancement in vertical conductivity of stacked CVD graphene sheets by self-assembled molecular layers. <i>Nature Communications</i> , 2014, 5, 5461.	12.8	83
26	Data analysis method to achieve sub-10-nm spatial resolution using extended X-ray absorption fine-structure spectroscopy. <i>Journal of Synchrotron Radiation</i> , 2014, 21, 756-761.	2.4	11
27	Personal electronics printing via tapping mode composite liquid metal ink delivery and adhesion mechanism. <i>Scientific Reports</i> , 2014, 4, 4588.	3.3	188
28	Step Flow Versus Mosaic Film Growth in Hexagonal Boron Nitride. <i>Journal of the American Chemical Society</i> , 2013, 135, 2368-2373.	13.7	89
29	Direct Desktop Printed-Circuits-on-Paper Flexible Electronics. <i>Scientific Reports</i> , 2013, 3, .	3.3	295
30	Room-Temperature Ice Growth on Graphite Seeded by Nano-Graphene Oxide. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 8708-8712.	13.8	46
31	Pervasive liquid metal based direct writing electronics with roller-ball pen. <i>AIP Advances</i> , 2013, 3, .	1.3	100
32	Innenr&#246;titelbild: Room-Temperature Ice Growth on Graphite Seeded by Nano-Graphene Oxide (Angew.) Tj ETQq0,0 0 rgBJ /Overlock	2.0	0
33	Quasi-Periodic Nanoripples in Graphene Grown by Chemical Vapor Deposition and Its Impact on Charge Transport. <i>ACS Nano</i> , 2012, 6, 1158-1164.	14.6	129
34	Probing the catalytic activity of porous graphene oxide and the origin of this behaviour. <i>Nature Communications</i> , 2012, 3, 1298.	12.8	538
35	Graphene: Growing Suspended Graphene on $\text{C}_{60}$ Molecules (Small 24/2012). <i>Small</i> , 2012, 8, 3727-3727.	10.0	0
36	Growing Suspended Graphene on $\text{C}_{60}$ Molecules. <i>Small</i> , 2012, 8, 3728-3732.	10.0	10

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37	Direct writing of electronics based on alloy and metal (DREAM) ink: A newly emerging area and its impact on energy, environment and health sciences. <i>Frontiers in Energy</i> , 2012, 6, 311-340.	2.3	87
38	Graphene-ferroelectric Hybrid Structure for Flexible Transparent Electrodes. <i>ACS Nano</i> , 2012, 6, 3935-3942.	14.6	167
39	Using the Graphene Moiré Pattern for the Trapping of C <sub>60</sub> and Homoepitaxy of Graphene. <i>ACS Nano</i> , 2012, 6, 944-950.	14.6	54
40	Electrochemical Delamination of CVD-Grown Graphene Film: Toward the Recyclable Use of Copper Catalyst. <i>ACS Nano</i> , 2011, 5, 9927-9933.	14.6	529
41	Wafer-scale graphene/ferroelectric hybrid devices for low-voltage electronics. <i>Europhysics Letters</i> , 2011, 93, 17002.	2.0	74
42	Toward Wafer Scale Fabrication of Graphene Based Spin Valve Devices. <i>Nano Letters</i> , 2011, 11, 2363-2368.	9.1	214
43	Graphene Intermediate Layer in Tandem Organic Photovoltaic Cells. <i>Advanced Functional Materials</i> , 2011, 21, 4430-4435.	14.9	57
44	A new route to graphene layers by selective laser ablation. <i>AIP Advances</i> , 2011, 1, .	1.3	56
45	Roll-to-roll production of 30-inch graphene films for transparent electrodes. <i>Nature Nanotechnology</i> , 2010, 5, 574-578.	31.5	7,294
46	Graphene Field-Effect Transistors with Ferroelectric Gating. <i>Physical Review Letters</i> , 2010, 105, 166602.	7.8	202
47	Structural Analysis of Pentacene Thin Film Growth on Polycrystalline Oxidized Au Surfaces Using Scanning Tunneling Microscopy. <i>ACS Nano</i> , 2010, 4, 2104-2108.	14.6	7
48	Gate-controlled nonvolatile graphene-ferroelectric memory. <i>Applied Physics Letters</i> , 2009, 94, .	3.3	234
49	Temperature-dependent transition from injection-limited to space-charge-limited current in metal-organic diodes. <i>Applied Physics Letters</i> , 2009, 95, .	3.3	9
50	Localized breakdown in dielectrics and macroscopic charge transport through the whole gate stack: A comparative study. <i>Applied Physics Letters</i> , 2008, 92, 012914.	3.3	2
51	Hot electron transport in Au-ferroelectric-SiO <sub>2</sub> -Si structures studied by ballistic electron emission spectroscopy. <i>Applied Physics Letters</i> , 2007, 90, 142915.	3.3	10
52	BEEM studies on metal high-K-dielectric HfO <sub>2</sub> interfaces. <i>Journal of Physics: Conference Series</i> , 2007, 61, 1347-1351.	0.4	8
53	Effect of Molecule-Substrate Interaction on Thin-Film Structures and Molecular Orientation of Pentacene on Silver and Gold. <i>Langmuir</i> , 2007, 23, 8336-8342.	3.5	47
54	Possible transition from space-charge-limited to injection-limited conduction in poly(3-hexylthiophene) thin films. <i>Applied Surface Science</i> , 2006, 252, 4023-4025.	6.1	3

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55	Stable, Superhydrophobic, and Conductive Polyaniline/Polystyrene Films for Corrosive Environments. <i>Advanced Functional Materials</i> , 2006, 16, 568-574.	14.9	318
56	Study of high temperature resistivity and thermal stability of superconductor MgB <sub>2</sub> . <i>Physica C: Superconductivity and Its Applications</i> , 2003, 386, 663-666.	1.2	14
57	The magnetoresistance of the quasi-one-dimensional conductor NbSe <sub>3</sub> . <i>Journal of Physics Condensed Matter</i> , 2003, 15, 5353-5358.	1.8	14
58	Asymmetric modulation of the transverse current effect of charge-density wave in the blue bronze K <sub>0.3</sub> MoO <sub>3</sub> . <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2002, 305, 433-436.	2.1	4