

# Pengpeng Zhang

## List of Publications by Year in descending order

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28  
papers

337  
citations

840776

11  
h-index

839539

18  
g-index

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28  
docs citations

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times ranked

802  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of Embedded Dipole Layers on Electrostatic Properties of Alkanethiolate Self-Assembled Monolayers. <i>Journal of Physical Chemistry C</i> , 2017, 121, 15815-15830.	3.1	45
2	Magnetic structure of epitaxial multiferroic $\text{BiFeO}_3$ with engineered ferroelectric domains. <i>Physical Review B</i> , 2010, 82, .	3.2	40
3	Anisotropic Crystalline Organic Step-Flow Growth on Deactivated Si Surfaces. <i>Physical Review Letters</i> , 2013, 110, 086107.	7.8	37
4	Growth of Metal Phthalocyanine on Deactivated Semiconducting Surfaces Steered by Selective Orbital Coupling. <i>Physical Review Letters</i> , 2015, 115, 096101.	7.8	30
5	Unlocking the Single-Domain Epitaxy of Halide Perovskites. <i>Advanced Materials Interfaces</i> , 2017, 4, 1701003.	3.7	29
6	Overcoming Bulk Recombination Limits of Layered Perovskite Solar Cells with Mesoporous Substrates. <i>Journal of Physical Chemistry C</i> , 2018, 122, 14177-14185.	3.1	20
7	Crystalline orientation dependent photoresponse and heterogeneous behaviors of grain boundaries in perovskite solar cells. <i>Journal of Applied Physics</i> , 2018, 123, .	2.5	17
8	Formation of Highly Ordered Organic Molecular Thin Films on Deactivated Si Surfaces Studied by Scanning Tunneling Microscopy and Low Energy Electron Diffraction. <i>Journal of Physical Chemistry C</i> , 2014, 118, 2194-2201.	3.1	16
9	High-performance inverted solar cells with a controlled ZnO buffer layer. <i>RSC Advances</i> , 2014, 4, 3604-3610.	3.6	12
10	Nucleation and evolution of zinc phthalocyanine thin films on the deactivated Si(111)-B $3\text{Å} \times 3\text{Å}$ surface. <i>Surface Science</i> , 2014, 630, 22-27.	1.9	12
11	Interfacial Coupling and Electronic Structure of Two-Dimensional Silicon Grown on the Ag(111) Surface at High Temperature. <i>Scientific Reports</i> , 2015, 5, 10310.	3.3	11
12	Tailoring the growth and electronic structures of organic molecular thin films. <i>Journal of Physics Condensed Matter</i> , 2019, 31, 503001.	1.8	9
13	Elucidating the Impact of Thin Film Texture on Charge Transport and Collection in Perovskite Solar Cells. <i>ACS Omega</i> , 2018, 3, 3522-3529.	3.5	8
14	Efficient zinc sulfide cathode layers for organic photovoltaic applications via n-type doping. <i>Journal of Applied Physics</i> , 2014, 115, .	2.5	7
15	Electrostatic screening mediated by interfacial charge transfer in molecular assemblies on semiconductor substrates. <i>Physical Review B</i> , 2017, 96, .	3.2	7
16	Surfaces and Interfaces of Nanoscale Silicon Materials. <i>Materials Research Society Symposia Proceedings</i> , 2013, 1550, 1.	0.1	6
17	The role of substrate on stabilizing new phases of two-dimensional tin. <i>2D Materials</i> , 2021, 8, 045003.	4.4	6
18	Laser-Induced Cooperative Transition in Molecular Electronic Crystal. <i>Advanced Materials</i> , 2021, 33, e2103000.	21.0	6

#	ARTICLE	IF	CITATIONS
19	Nanoscale imaging of dense fiber morphology and local electrical response in conductive regioregular poly(3-hexylthiophene). <i>Organic Electronics</i> , 2014, 15, 441-448.	2.6	3
20	Self-assembly of F16ZnPc thin films and F16ZnPc-ZnPc heterostructures on deactivated Si surfaces studied by scanning tunneling microscopy. <i>Journal of Chemical Physics</i> , 2017, 146, 052809.	3.0	3
21	Insulator-metal transition induced by electric voltage in a ruthenate Mott insulator. <i>Journal of Physics Condensed Matter</i> , 2019, 31, 195602.	1.8	3
22	Interfacial charge transfer enhancement via formation of binary molecular assemblies on electronically corrugated boron nitride. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 26146-26153.	2.8	3
23	Semiconductor to topological insulator transition induced by stress propagation in metal dichalcogenide core-shell lateral heterostructures. <i>Materials Horizons</i> , 2021, 8, 1029-1036.	12.2	3
24	Spatially Resolved Investigation of Mixed Valence and Insulator-to-Metal Transition in an Organic Salt. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 8352-8357.	4.6	2
25	Thickness evolution of transport properties in exfoliated Fe <sub>1+y</sub> Te nanoflakes. <i>Journal of Physics Condensed Matter</i> , 2018, 30, 295303.	1.8	2
26	Perovskites: Unlocking the Single-Domain Epitaxy of Halide Perovskites ( <i>Adv. Mater. Interfaces</i> 22/2017). <i>Advanced Materials Interfaces</i> , 2017, 4, .	3.7	0
27	Laser-Induced Cooperative Transition in Molecular Electronic Crystal ( <i>Adv. Mater.</i> 39/2021). <i>Advanced Materials</i> , 2021, 33, .	21.0	0
28	High-Endurance Magneto-Electronic Switchable Molecular Electronic Crystal. <i>Nano Letters</i> , 2022, 22, 3151-3156.	9.1	0