

# Peng Li

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

60  
papers

2,545  
citations

19  
h-index

50  
g-index

64  
ext. papers

3,390  
ext. citations

8.6  
avg, IF

5.28  
L-index

#	Paper	IF	Citations
60	Synergistic Effect between S and Se Enhancing the Electrochemical Behavior of SexSy in Aqueous Zn Metal Batteries. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2101237	15.6	18
59	General synthesis of single-atom catalysts with high metal loading using graphene quantum dots. <i>Nature Chemistry</i> , <b>2021</b> , 13, 887-894	17.6	86
58	. <i>IEEE Transactions on Magnetics</i> , <b>2021</b> , 57, 1-39	2	34
57	Spin transport in multilayer graphene away from the charge neutrality point. <i>Carbon</i> , <b>2021</b> , 172, 474-479	10.4	1
56	Nonreciprocal charge transport up to room temperature in bulk Rashba semiconductor EGeTe. <i>Nature Communications</i> , <b>2021</b> , 12, 540	17.4	9
55	Berry Phase Engineering in SrRuO/SrIrO/SrTiO Superlattices Induced by Band Structure Reconstruction. <i>ACS Nano</i> , <b>2021</b> , 15, 5086-5095	16.7	5
54	Chiral Helimagnetism and One-Dimensional Magnetic Solitons in a Cr-Intercalated Transition Metal Dichalcogenide. <i>Advanced Materials</i> , <b>2021</b> , 33, e2101131	24	9
53	Modulation of Weyl semimetal state in half-Heusler GdPtBi enabled by hydrostatic pressure. <i>New Journal of Physics</i> , <b>2021</b> , 23, 083041	2.9	
52	Topological electronic state and anisotropic Fermi surface in half-Heusler GdPtBi. <i>Journal of Physics Condensed Matter</i> , <b>2020</b> , 32, 355707	1.8	2
51	Strain control of phase transition and magnetic property in multiferroic BiFeO <sub>3</sub> thin films. <i>Thin Solid Films</i> , <b>2020</b> , 695, 137741	2.2	4
50	Mobility-Fluctuation-Controlled Linear Positive Magnetoresistance in 2D Semiconductor BiOSe Nanoplates. <i>ACS Nano</i> , <b>2020</b> , 14, 11319-11326	16.7	10
49	Magnetoelectric coupling in $\delta$ -Fe <sub>4</sub> N/Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> ) <sub>0.7</sub> Ti <sub>0.3</sub> O <sub>3</sub> multiferroic heterostructures. <i>Journal of Applied Physics</i> , <b>2019</b> , 126, 113901	2.5	5
48	Probing the origin of extreme magnetoresistance in Pr/Sm mono-antimonides/bismuthides. <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	4
47	Growth of 2H stacked WSe <sub>2</sub> bilayers on sapphire. <i>Nanoscale Horizons</i> , <b>2019</b> , 4, 1434-1442	10.8	11
46	Ambient Synthesis of Single-Atom Catalysts from Bulk Metal via Trapping of Atoms by Surface Dangling Bonds. <i>Advanced Materials</i> , <b>2019</b> , 31, e1904496	24	82
45	Competition between Electronic and Magnonic Spin Currents in Metallic Antiferromagnets. <i>Physical Review Applied</i> , <b>2019</b> , 12,	4.3	4
44	Critical behavior of intercalated quasi-van der Waals ferromagnet Fe <sub>0.26</sub> TaS <sub>2</sub> . <i>Physical Review Materials</i> , <b>2019</b> , 3,	3.2	11

43	Weak antilocalization effect and high-pressure transport properties of ScPdBi single crystal. <i>Applied Physics Letters</i> , <b>2019</b> , 115, 172407	3.4	7
42	Anisotropic planar Hall effect in the type-II topological Weyl semimetal WTe <sub>2</sub> . <i>Physical Review B</i> , <b>2019</b> , 100,	3.3	19
41	Interpenetration Isomerism in Triptycene-Based Hydrogen-Bonded Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 1664-1669	16.4	56
40	Interpenetration Isomerism in Triptycene-Based Hydrogen-Bonded Organic Frameworks. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 1678-1683	3.6	19
39	Intercorrelated In-Plane and Out-of-Plane Ferroelectricity in Ultrathin Two-Dimensional Layered Semiconductor InSe. <i>Nano Letters</i> , <b>2018</b> , 18, 1253-1258	11.5	293
38	Anomalous Li Storage Capability in Atomically Thin Two-Dimensional Sheets of Nonlayered MoO <sub>3</sub> . <i>Nano Letters</i> , <b>2018</b> , 18, 1506-1515	11.5	43
37	Highly Stable Aqueous Zinc-Ion Storage Using a Layered Calcium Vanadium Oxide Bronze Cathode. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 3943-3948	16.4	509
36	Interfacial scattering effect on anisotropic magnetoresistance and anomalous Hall effect in Ta/Fe multilayers. <i>AIP Advances</i> , <b>2018</b> , 8, 055813	1.5	2
35	High-Mobility Two-Dimensional Electron Gas at InGaN/InN Heterointerface Grown by Molecular Beam Epitaxy. <i>Advanced Science</i> , <b>2018</b> , 5, 1800844	13.6	14
34	Observation of superconductivity in structure-selected Ti <sub>2</sub> O <sub>3</sub> thin films. <i>NPG Asia Materials</i> , <b>2018</b> , 10, 522-532	10.3	20
33	Energy-Resolved Photoconductivity Mapping in a Monolayer-Bilayer WSe <sub>2</sub> Lateral Heterostructure. <i>Nano Letters</i> , <b>2018</b> , 18, 7200-7206	11.5	19
32	Spin-momentum locking and spin-orbit torques in magnetic nano-heterojunctions composed of Weyl semimetal WTe <sub>2</sub> . <i>Nature Communications</i> , <b>2018</b> , 9, 3990	17.4	64
31	Ferroelectric Field Effect Tuned Giant Electroresistance in LaSrMnO <sub>3</sub> /BaTiO <sub>3</sub> Heterostructures. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 40328-40334	9.5	12
30	Photoassisted Electric Field Modulation of Multiple Nonvolatile Resistance States in Highly Strained Epitaxial BiFeO <sub>3</sub> Heterostructures. <i>Advanced Electronic Materials</i> , <b>2018</b> , 4, 1800171	6.4	12
29	General Top-Down Ion Exchange Process for the Growth of Epitaxial Chalcogenide Thin Films and Devices. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 690-698	9.6	7
28	Exchange bias and strain effect co-modulated magnetic symmetry in La <sub>0.6</sub> Sr <sub>0.4</sub> MnO <sub>3</sub> /orthorhombic-YMnO <sub>3</sub> multiferroic heterostructures. <i>Journal Physics D: Applied Physics</i> , <b>2017</b> , 50, 215001	3	1
27	Spin Filtering in Epitaxial Spinel Films with Nanoscale Phase Separation. <i>ACS Nano</i> , <b>2017</b> , 11, 5011-5019	16.7	16
26	Direct observation of cation distributions of ideal inverse spinel CoFeO nanofibres and correlated magnetic properties. <i>Nanoscale</i> , <b>2017</b> , 9, 7493-7500	7.7	20

25	Interfacial scattering effect on anomalous Hall effect in Ni/Au multilayers. <i>Journal Physics D: Applied Physics</i> , <b>2017</b> , 50, 235002	3	4
24	Temperature dependence of spin-orbit torques in Cu-Au alloys. <i>Physical Review B</i> , <b>2017</b> , 95,	3.3	26
23	Electric field modulated conduction mechanism in Al/BaTiO <sub>3</sub> /La <sub>0.67</sub> Sr <sub>0.33</sub> MnO <sub>3</sub> heterostructures. <i>Applied Physics Letters</i> , <b>2017</b> , 111, 062901	3.4	5
22	Skew scattering dominated anomalous Hall effect in Co (MgO) granular thin films. <i>Journal of Physics Condensed Matter</i> , <b>2017</b> , 29, 415802	1.8	3
21	Evidence for topological type-II Weyl semimetal WTe. <i>Nature Communications</i> , <b>2017</b> , 8, 2150	17.4	160
20	Strain and Ferroelectric-Field Effects Co-mediated Magnetism in (011)-CoFe <sub>2</sub> O <sub>4</sub> /Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> ) <sub>0.7</sub> Ti <sub>0.3</sub> O <sub>3</sub> Multiferroic Heterostructures. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 24198-204	9.5	17
19	Mobility controlled linear magnetoresistance with 3D anisotropy in a layered graphene pallet. <i>Journal Physics D: Applied Physics</i> , <b>2016</b> , 49, 425005	3	
18	Spatial mobility fluctuation induced giant linear magnetoresistance in multilayered graphene foam. <i>Physical Review B</i> , <b>2016</b> , 94,	3.3	19
17	Laterally Stitched Heterostructures of Transition Metal Dichalcogenide: Chemical Vapor Deposition Growth on Lithographically Patterned Area. <i>ACS Nano</i> , <b>2016</b> , 10, 10516-10523	16.7	41
16	Study of coexisting phases in Bi doped La <sub>0.67</sub> Sr <sub>0.33</sub> MnO <sub>3</sub> . <i>Journal of Magnetism and Magnetic Materials</i> , <b>2016</b> , 406, 22-29	2.8	10
15	Magnetization and Resistance Switchings Induced by Electric Field in Epitaxial Mn:ZnO/BiFeO <sub>3</sub> Multiferroic Heterostructures at Room Temperature. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 3977-84	9.5	41
14	Ultrathin Epitaxial Ferromagnetic BiFeO <sub>3</sub> Layer as High Efficiency Spin Filtering Materials for Spintronics Device Based on Semiconductors. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 5679-5689	15.6	17
13	Observation of large low-field magnetoresistance in spinel cobaltite: A new half-metal. <i>Physica Status Solidi - Rapid Research Letters</i> , <b>2016</b> , 10, 190-196	2.5	10
12	Strain engineering in monolayer WS <sub>2</sub> , MoS <sub>2</sub> , and the WS <sub>2</sub> /MoS <sub>2</sub> heterostructure. <i>Applied Physics Letters</i> , <b>2016</b> , 109, 173105	3.4	92
11	Orbital Reconstruction Enhanced Exchange Bias in La <sub>0.6</sub> Sr <sub>0.4</sub> MnO <sub>3</sub> /Orthorhombic YMnO <sub>3</sub> Heterostructures. <i>Scientific Reports</i> , <b>2016</b> , 6, 24568	4.9	8
10	Fabrication and characterization of nanostructured Fe <sub>3</sub> S <sub>4</sub> , an isostructural compound of half-metallic Fe <sub>3</sub> O <sub>4</sub> . <i>Journal of Applied Physics</i> , <b>2015</b> , 117, 223903	2.5	10
9	Crystal-Orientation-Modulated Exchange Bias in Orthorhombic-YMnO <sub>3</sub> /La <sub>0.6</sub> Sr <sub>0.4</sub> MnO <sub>3</sub> Multiferroic Heterostructures. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 14758-62	9.5	13
8	Decoupling Capacitance Design Strategies for Power Delivery Networks with Power Gating. <i>ACM Transactions on Design Automation of Electronic Systems</i> , <b>2015</b> , 20, 1-30	1.5	1

7	Is NiCo <sub>2</sub> S <sub>4</sub> Really a Semiconductor?. <i>Chemistry of Materials</i> , <b>2015</b> , 27, 6482-6485	9.6	167
6	A rod-packing microporous hydrogen-bonded organic framework for highly selective separation of C <sub>2</sub> H <sub>2</sub> /CO <sub>2</sub> at room temperature. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 574-7	16.4	137
5	A homochiral microporous hydrogen-bonded organic framework for highly enantioselective separation of secondary alcohols. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 547-9	16.4	233
4	Fast static analysis of power grids: Algorithms and implementations <b>2011</b> ,		9
3	Fabrication of ultrathin epitaxial Fe <sub>2</sub> O <sub>3</sub> films by reactive sputtering. <i>Journal Physics D: Applied Physics</i> , <b>2011</b> , 44, 075003	3	84
2	Locality-Driven Parallel Static Analysis for Power Delivery Networks. <i>ACM Transactions on Design Automation of Electronic Systems</i> , <b>2011</b> , 16, 1-17	1.5	6
1	Parallel partitioning based on-chip power distribution network analysis using locality acceleration <b>2009</b> ,		1