

Peng Li

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1741158/publications.pdf>

Version: 2024-02-01

62
papers

4,347
citations

218592

26
h-index

128225

60
g-index

64
all docs

64
docs citations

64
times ranked

6986
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly Stable Aqueous Zinc-Ion Storage Using a Layered Calcium Vanadium Oxide Bronze Cathode. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 3943-3948.	7.2	742
2	Intercorrelated In-Plane and Out-of-Plane Ferroelectricity in Ultrathin Two-Dimensional Layered Semiconductor In_2Se_3 . <i>Nano Letters</i> , 2018, 18, 1253-1258.	4.5	509
3	General synthesis of single-atom catalysts with high metal loading using graphene quantum dots. <i>Nature Chemistry</i> , 2021, 13, 887-894.	6.6	362
4	A Homochiral Microporous Hydrogen-Bonded Organic Framework for Highly Enantioselective Separation of Secondary Alcohols. <i>Journal of the American Chemical Society</i> , 2014, 136, 547-549.	6.6	292
5	A Rod-Packing Microporous Hydrogen-Bonded Organic Framework for Highly Selective Separation of $\text{C}_2\text{H}_2/\text{CO}_2$ at Room Temperature. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 574-577.	7.2	289
6	Evidence for topological type-II Weyl semimetal WTe_2 . <i>Nature Communications</i> , 2017, 8, 2150.	5.8	263
7	Roadmap of Spin-Orbit Torques. <i>IEEE Transactions on Magnetics</i> , 2021, 57, 1-39.	1.2	225
8	Is NiCo_2S_4 Really a Semiconductor?. <i>Chemistry of Materials</i> , 2015, 27, 6482-6485.	3.2	203
9	Strain engineering in monolayer WS_2 , MoS_2 , and the WS_2/MoS_2 heterostructure. <i>Applied Physics Letters</i> , 2016, 109, .	1.5	132
10	Ambient Synthesis of Single-Atom Catalysts from Bulk Metal via Trapping of Atoms by Surface Dangling Bonds. <i>Advanced Materials</i> , 2019, 31, e1904496.	11.1	114
11	Spin-momentum locking and spin-orbit torques in magnetic nano-heterojunctions composed of Weyl semimetal WTe_2 . <i>Nature Communications</i> , 2018, 9, 3990.	5.8	105
12	Interpenetration Isomerism in Triptycene-Based Hydrogen-Bonded Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 1664-1669.	7.2	93
13	Fabrication of ultrathin epitaxial Fe_2O_3 films by reactive sputtering. <i>Journal Physics D: Applied Physics</i> , 2011, 44, 075003.	1.3	88
14	Anomalous Li Storage Capability in Atomically Thin Two-Dimensional Sheets of Nonlayered MoO_2 . <i>Nano Letters</i> , 2018, 18, 1506-1515.	4.5	74
15	Laterally Stitched Heterostructures of Transition Metal Dichalcogenide: Chemical Vapor Deposition Growth on Lithographically Patterned Area. <i>ACS Nano</i> , 2016, 10, 10516-10523.	7.3	52
16	Anisotropic planar Hall effect in the type-II topological Weyl semimetal WTe_2 . <i>Physical Review B</i> , 2019, 100, .	11.1	46
17	Magnetization and Resistance Switchings Induced by Electric Field in Epitaxial $\text{Mn:ZnO}/\text{BiFeO}_3$ Multiferroic Heterostructures at Room Temperature. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 3977-3984.	4.0	44
18	Synergistic Effect between S and Se Enhancing the Electrochemical Behavior of Se_xS_y in Aqueous Zn Metal Batteries. <i>Advanced Functional Materials</i> , 2021, 31, 2101237.	7.8	44

#	ARTICLE	IF	CITATIONS
19	Observation of superconductivity in structure-selected Ti ₂ O ₃ thin films. NPG Asia Materials, 2018, 10, 522-532.	3.8	43
20	Direct observation of cation distributions of ideal inverse spinel CoFe ₂ O ₄ nanofibres and correlated magnetic properties. Nanoscale, 2017, 9, 7493-7500.	2.8	40
21	Chiral Helimagnetism and One-Dimensional Magnetic Solitons in a Cr-Intercalated Transition Metal Dichalcogenide. Advanced Materials, 2021, 33, e2101131.	11.1	40
22	Temperature dependence of spin-orbit torques in Cu-Au alloys. Physical Review B, 2017, 95, .	1.1	39
23	Interpenetration Isomerism in Triptycene-Based Hydrogen-Bonded Organic Frameworks. Angewandte Chemie, 2019, 131, 1678-1683.	1.6	29
24	Critical behavior of intercalated quasi-van der Waals ferromagnet $F_{0.26}T_{0.9}S$. Physical Review Materials, 2019, 3, .	0.9	29
25	Nonreciprocal charge transport up to room temperature in bulk Rashba semiconductor $\hat{\Gamma}$ -GeTe. Nature Communications, 2021, 12, 540.	5.8	27
26	Energy-Resolved Photoconductivity Mapping in a Monolayer-Bilayer WSe ₂ Lateral Heterostructure. Nano Letters, 2018, 18, 7200-7206.	4.5	26
27	Ultrathin Epitaxial Ferromagnetic $\hat{\Gamma}$ -Fe ₂ O ₃ Layer as High Efficiency Spin Filtering Materials for Spintronics Device Based on Semiconductors. Advanced Functional Materials, 2016, 26, 5679-5689.	7.8	24
28	Spin Filtering in Epitaxial Spinel Films with Nanoscale Phase Separation. ACS Nano, 2017, 11, 5011-5019.	7.3	24
29	Mobility-Fluctuation-Controlled Linear Positive Magnetoresistance in 2D Semiconductor Bi ₂ O ₂ Se Nanoplates. ACS Nano, 2020, 14, 11319-11326.	7.3	22
30	Strain and Ferroelectric-Field Effects Co-mediated Magnetism in (011)-CoFe ₂ O ₄ /Pb(Mg _{1/3} Nb _{2/3}) _{0.7} Ti _{0.3} O ₃ Multiferroic Heterostructures. ACS Applied Materials & Interfaces, 2016, 8, 24198-24204.	4.5	20
31	Growth of 2H stacked WSe ₂ bilayers on sapphire. Nanoscale Horizons, 2019, 4, 1434-1442.	4.1	20
32	Spatial mobility fluctuation induced giant linear magnetoresistance in multilayered graphene foam. Physical Review B, 2016, 94, .	1.1	19
33	Berry Phase Engineering in SrRuO ₃ /SrIrO ₃ /SrTiO ₃ Superlattices Induced by Band Structure Reconstruction. ACS Nano, 2021, 15, 5086-5095.	7.3	19
34	High-Mobility Two-Dimensional Electron Gas at InGaN/InN Heterointerface Grown by Molecular Beam Epitaxy. Advanced Science, 2018, 5, 1800844.	5.6	18
35	Weak antilocalization effect and high-pressure transport properties of ScPdBi single crystal. Applied Physics Letters, 2019, 115, .	1.5	17
36	Fabrication and characterization of nanostructured Fe ₃ S ₄ , an isostructural compound of half-metallic Fe ₃ O ₄ . Journal of Applied Physics, 2015, 117, .	1.1	16

#	ARTICLE	IF	CITATIONS
37	Crystal-Orientation-Modulated Exchange Bias in Orthorhombic-YMnO ₃ /La _{0.6} Sr _{0.4} MnO ₃ Multiferroic Heterostructures. ACS Applied Materials & Interfaces, 2015, 7, 14758-14762.	4.0	15
38	Study of coexisting phases in Bi doped La _{0.67} Sr _{0.33} MnO ₃ . Journal of Magnetism and Magnetic Materials, 2016, 406, 22-29.	1.0	15
39	Ferroelectric Field Effect Tuned Giant Electroresistance in La _{0.67} Sr _{0.33} MnO ₃ /BaTiO ₃ Heterostructures. ACS Applied Materials & Interfaces, 2018, 10, 40328-40334.	4.0	15
40	Observation of large low-field magnetoresistance in spinel cobaltite: A new half-metal. Physica Status Solidi - Rapid Research Letters, 2016, 10, 190-196.	1.2	14
41	Photoassisted Electric Field Modulation of Multiple Nonvolatile Resistance States in Highly Strained Epitaxial BiFeO ₃ Heterostructures. Advanced Electronic Materials, 2018, 4, 1800171.	2.6	14
42	Probing the origin of extreme magnetoresistance in Pr/Sm mono-antimonides/bismuthides. Physical Review B, 2019, 99, .	1.1	12
43	Locality-Driven Parallel Static Analysis for Power Delivery Networks. ACM Transactions on Design Automation of Electronic Systems, 2011, 16, 1-17.	1.9	11
44	Fast static analysis of power grids: Algorithms and implementations. , 2011, , .		10
45	Orbital Reconstruction Enhanced Exchange Bias in La _{0.6} Sr _{0.4} MnO ₃ /Orthorhombic YMnO ₃ Heterostructures. Scientific Reports, 2016, 6, 24568.	1.6	10
46	General Top-Down Ion Exchange Process for the Growth of Epitaxial Chalcogenide Thin Films and Devices. Chemistry of Materials, 2017, 29, 690-698.	3.2	9
47	Strain control of phase transition and magnetic property in multiferroic BiFeO ₃ thin films. Thin Solid Films, 2020, 695, 137741.	0.8	9
48	Interfacial scattering effect on anomalous Hall effect in Ni/Au multilayers. Journal Physics D: Applied Physics, 2017, 50, 235002.	1.3	7
49	Magnetic soliton confinement and discretization effects in Cr _{1/3} TaS ₂ nanoflakes. Rare Metals, 2022, 41, 3005-3011.	3.6	7
50	Parallel partitioning based on-chip power distribution network analysis using locality acceleration. , 2009, , .		6
51	Electric field modulated conduction mechanism in Al/BaTiO ₃ /La _{0.67} Sr _{0.33} MnO ₃ heterostructures. Applied Physics Letters, 2017, 111, .	1.5	6
52	Competition between Electronic and Magnonic Spin Currents in Metallic Antiferromagnets. Physical Review Applied, 2019, 12, .	1.5	6
53	Magnetoelectric coupling in Fe^{3+} -Fe ₄ N/Pb(Mg _{1/3} Nb _{2/3}) _{0.7} Ti _{0.3} O ₃ multiferroic heterostructures. Journal of Applied Physics, 2019, 126, 113901.	1.1	6
54	Skew scattering dominated anomalous Hall effect in Co _x (MgO) _{100-x} granular thin films. Journal of Physics Condensed Matter, 2017, 29, 415802.	0.7	5

#	ARTICLE	IF	CITATIONS
55	Topological electronic state and anisotropic Fermi surface in half-Heusler GdPtBi. Journal of Physics Condensed Matter, 2020, 32, 355707.	0.7	5
56	Spin transport in multilayer graphene away from the charge neutrality point. Carbon, 2021, 172, 474-479.	5.4	3
57	Exchange bias and strain effect co-modulated magnetic symmetry in $\text{La}_{0.6}\text{Sr}_{0.4}\text{MnO}_3$ /orthorhombic- YMnO_3 multiferroic heterostructures. Journal Physics D: Applied Physics, 2017, 50, 215001.	1.3	2
58	Interfacial scattering effect on anisotropic magnetoresistance and anomalous Hall effect in Ta/Fe multilayers. AIP Advances, 2018, 8, 055813.	0.6	2
59	Evidence of Magnon-Mediated Orbital Magnetism in a Quasi-2D Topological Magnon Insulator. Nano Letters, 2022, 22, 5114-5119.	4.5	2
60	Decoupling Capacitance Design Strategies for Power Delivery Networks with Power Gating. ACM Transactions on Design Automation of Electronic Systems, 2015, 20, 1-30.	1.9	1
61	Modulation of Weyl semimetal state in half-Heusler GdPtBi enabled by hydrostatic pressure. New Journal of Physics, 2021, 23, 083041.	1.2	1
62	Mobility controlled linear magnetoresistance with 3D anisotropy in a layered graphene pallet. Journal Physics D: Applied Physics, 2016, 49, 425005.	1.3	0