

Yongqing Li

List of Publications by Year in descending order

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64

papers

3,028

citations

218677

26

h-index

155660

55

g-index

66

all docs

66

docs citations

66

times ranked

4126

citing authors

#	ARTICLE	IF	CITATIONS
1	Gate-Voltage Control of Chemical Potential and Weak Antilocalization in $\text{Bi}_{2-\delta}\text{Sb}_\delta$ Solid-State Synaptic Transistor with Ultralow Conductance for Neuromorphic Computing. <i>Physical Review Letters</i> , 2010, 105, 176602.	7.8	573
2	All- Bi Solid-State Synaptic Transistor with Ultralow Conductance for Neuromorphic Computing. <i>Advanced Functional Materials</i> , 2018, 28, 1804170.	14.9	335
3	A Synaptic Transistor based on Quasi-2D Molybdenum Oxide. <i>Advanced Materials</i> , 2017, 29, 1700906.	21.0	304
4	Tunable surface conductivity in $\text{Bi}_{2-\delta}\text{Sb}_\delta$. <i>Advanced Functional Materials</i> , 2018, 28, 1804170.	3.2	226
5	Growth of Topological Insulator $\text{Bi}_{2-\delta}\text{Sb}_\delta$ Thin Films on SrTiO_3 with Large Tunability in Chemical Potential. <i>Advanced Functional Materials</i> , 2011, 21, 2351-2355.	14.9	122
6	Transport in two-dimensional topological materials: recent developments in experiment and theory. <i>2D Materials</i> , 2020, 7, 022007.	4.4	92
7	Observation of Anderson Localization in Ultrathin Films of Three-Dimensional Topological Insulators. <i>Physical Review Letters</i> , 2015, 114, 216601.	7.8	82
8	Highly tunable electron transport in epitaxial topological insulator $(\text{Bi}_{1-x}\text{Sb}_x)_2\text{Te}_3$ thin films. <i>Applied Physics Letters</i> , 2012, 101, .	3.3	76
9	Effect of Different Substituted Groups on Excited-State Intramolecular Proton Transfer of 1-(Acylamino)-anthraquinones. <i>Journal of Physical Chemistry C</i> , 2017, 121, 14779-14786.	3.1	72
10	Giant semiclassical magnetoresistance in high mobility TaAs_2 semimetal. <i>Applied Physics Letters</i> , 2016, 108, 042105.	3.3	67
11	Hall magnetometry on a single iron nanoparticle. <i>Applied Physics Letters</i> , 2002, 80, 4644-4646.	3.3	65
12	Parallel field magnetoresistance in topological insulator thin films. <i>Physical Review B</i> , 2013, 88, .	3.2	63
13	Thickness Dependence of the Quantum Anomalous Hall Effect in Magnetic Topological Insulator Films. <i>Advanced Materials</i> , 2016, 28, 6386-6390.	21.0	63
14	Evidence for Half-Metallicity in EuMnS_2 . <i>Physical Review Letters</i> , 2015, 115, 087002.	7.8	62
15	Large negative magnetoresistance of a nearly Dirac material: Layered antimonide EuMnS_2 . <i>Physical Review B</i> , 2017, 96, .	3.2	50
16	Linear and Nonlinear Two-Terminal Spin-Valve Effect from Chirality-Induced Spin Selectivity. <i>ACS Nano</i> , 2020, 14, 15983-15991.	14.6	47
17	Cavity enhanced Faraday rotation of semiconductor quantum dots. <i>Applied Physics Letters</i> , 2006, 88, 193126.	3.3	42
18	Enhanced electron dephasing in three-dimensional topological insulators. <i>Nature Communications</i> , 2017, 8, 16071.	12.8	41

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19	Two-component anomalous Hall effect in a magnetically doped topological insulator. <i>Nature Communications</i> , 2018, 9, 1282.	12.8	40
20	Proximity effect between a topological insulator and a magnetic insulator with large perpendicular anisotropy. <i>Applied Physics Letters</i> , 2014, 105, 092411.	3.3	37
21	Modulation of Noise in SubmicronGaAs/AlGaAsHall Devices by Gating. <i>Physical Review Letters</i> , 2004, 93, 246602.	7.8	36
22	Anomalous quantization trajectory and parity anomaly in Co cluster decorated BiSbTeSe2 nanodevices. <i>Nature Communications</i> , 2017, 8, 977.	12.8	34
23	Anomalous Hall Effect in Layered Ferrimagnet MnSb ₂ Te ₄ *. <i>Chinese Physics Letters</i> , 2020, 37, 047301.	3.3	33
24	Aharonov-Casher Effect in $\text{MnSb}_{2}\text{Te}_4$. <i>Physical Review Letters</i> , 2011, 107, 016802.	3.3	30
25	Proximity-induced magnetism and an anomalous Hall effect in Bi ₂ Se ₃ /LaCoO ₃ : a topological insulator/ferromagnetic insulator thin film heterostructure. <i>Nanoscale</i> , 2018, 10, 10041-10049.	5.6	30
26	Local photocurrent generation in thin films of the topological insulator Bi ₂ Se ₃ . <i>Applied Physics Letters</i> , 2012, 101, .	3.3	27
27	Electron transport properties of three-dimensional topological insulators. <i>Frontiers of Physics</i> , 2012, 7, 165-174.	5.0	26
28	Single Crystal Growth and Spin Polarization Measurements of Diluted Magnetic Semiconductor (BaK)(ZnMn)2As ₂ . <i>Scientific Reports</i> , 2017, 7, 14473.	3.3	25
29	Mn-doped topological insulators: a review. <i>Journal of Semiconductors</i> , 2019, 40, 081507.	3.7	22
30	Epitaxial Growth and Transport Properties of Magnetic Weyl Semimetal Co ₃ Sn ₂ S ₂ Thin Films. <i>ACS Applied Electronic Materials</i> , 2020, 2, 126-133.	4.3	22
31	Single-electron switching in Al _x Ga _{1-x} As _y GaAsHall devices. <i>Physical Review B</i> , 2006, 74, .	3.2	20
32	High-pressure synthesis and characterization of the effective pseudospin S=1/2 XY pyrochlores R ₂ Pt ₂ O ₇ (R=Er,Yb). <i>Physical Review B</i> , 2016, 93, .	3.2	20
33	Unconventional Temperature Dependence of the Anomalous Hall Effect in HgCr ₂ . <i>Physical Review Letters</i> , 2019, 123, 096601.	7.8	18
34	Magnetization reversal in elongated Fe nanoparticles. <i>Physical Review B</i> , 2005, 71, .	3.2	17
35	The physical mechanism of magnetic field controlled magnetocaloric effect and magnetoresistance in bulk PrGa compound. <i>Scientific Reports</i> , 2015, 5, 14970.	3.3	16
36	Chemical potential fluctuations in topological insulator (Bi _{0.5} Sb _{0.5}) ₂ Te ₃ -films visualized by photocurrent spectroscopy. <i>2D Materials</i> , 2015, 2, 024012.	4.4	16

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37	Spin correlations and colossal magnetoresistance in HgCr_{2-x} . Physical Review B, 2016, 94, .		
38	Homoepitaxial $\text{SrTiO}_3(111)$ Film with High Dielectric Performance and Atomically Well-Defined Surface. Scientific Reports, 2015, 5, 10634.	3.3	14
39	Nature of the Spin Transition in the Half-filled Landau Level. Physical Review Letters, 2009, 102, 046803.	7.8	13
40	Asperomagnetic order in diluted magnetic semiconductor $(\text{Ba},\text{Na})(\text{Zn},\text{Mn})_2\text{As}_2$. Applied Physics Letters, 2018, 112, .	3.3	13
41	Study of Microstructure and Interfacial Interaction in Al-C_60 Co-Evaporated Films. Physica Status Solidi A, 1997, 163, 403-409. Current-induced nuclear spin depolarization at Landau level filling factor $\frac{1}{2}$.	1.7	12
42	HgCr_{2-x} under High Pressure. Physical Review Letters, 2012, 86, .	3.2	12
43	On the anomalous low-resistance state and exceptional Hall component in hard-magnetic Weyl nanoflakes. Science China: Physics, Mechanics and Astronomy, 2021, 64, 1.	5.1	11
44	Formation of a palladium carbide with a palladium-silicide-like structure in fullerene-C ₆₀ /Pd multilayers. Materials Research Bulletin, 2000, 35, 551-557.	5.2	10
45	Magnetic-Competition-Induced Colossal Magnetoresistance in $\text{Fe}_{3-x}\text{GeTe}_2$. Chinese Physics Letters, 2022, 39, 077501.	7.8	9
46	Growth of C ₆₀ single crystal films on metal substrates. Thin Solid Films, 1998, 320, 179-183.	1.8	7
48	Magnetization reversal of iron nanoparticles studied by submicron Hall magnetometry. Journal of Applied Physics, 2003, 93, 7912-7914.	2.5	7
49	Transport properties of topological insulator Bi ₂ Se ₃ thin films in tilted magnetic fields. Physica E: Low-Dimensional Systems and Nanostructures, 2012, 46, 236-240.	2.7	7
50	Growth and transport properties of topological insulator Bi ₂ Se ₃ thin film on a ferromagnetic insulating substrate. Chinese Physics B, 2018, 27, 076801.	1.4	7
51	Quantized Conductance in Topological Insulators Revealed by the Shockley-Ramo Theorem. Physical Review Letters, 2019, 122, 146804.	7.8	7
52	Robust Gapless Surface State against Surface Magnetic Impurities on $(\text{Bi}_0.5\text{Sb}_0.5)_2\text{Te}_3$ Evidenced by In-Situ Magnetotransport Measurements. Physical Review Letters, 2020, 124, 126601.	7.8	7
53	Metal-induced reconstruction of fullerene thin films: from dendritic to fractal growth. Journal of Physics Condensed Matter, 1998, 10, 9609-9621.	1.8	5
54	Insight into vibration mode-resolved plasmon enhanced Raman optical activity. Journal of Colloid and Interface Science, 2014, 415, 165-168.	9.4	2

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55	Electron localization in ultrathin films of three-dimensional topological insulators. Chinese Physics B, 2016, 25, 117201.	1.4	2
56	Magnetic and transport properties of $Zr_{1-x}Nb_xCo_2Sn$. Journal of Physics Condensed Matter, 2019, 31, 275702.	1.8	2
57	Magnetic Proximity Effect in an Antiferromagnetic Insulator/Topological Insulator Heterostructure with Sharp Interface. Chinese Physics Letters, 2021, 38, 057303.	3.3	2
58	Investigation of High Pressure Induced Orientational Phase Transition in C60 Single Crystal. Physica Status Solidi (B): Basic Research, 1998, 207, 243-248.	1.5	1
59	Low-frequency noise in submicron GaAs/Al _x Ga _{1-x} As Hall devices. Journal of Magnetism and Magnetic Materials, 2005, 290-291, 1161-1164.	2.3	1
60	Anomalous Hall effect in a magnetically extended topological insulator heterostructure. Physical Review Materials, 2020, 4, .	2.4	1
61	Probing the magnetic polaron state in the ferromagnetic semiconductor $HgCr_2$ with muon-spin spectroscopy and resistance-fluctuation measurements. Physical Review B, 2022, 105, .		
62	Electron-Nuclear Spin Interactions in the Quantum Hall Regime. Springer Series in Solid-state Sciences, 2017, , 431-475.	0.3	0
63	Giant enhancement of the in-plane critical field for thin Al films via proximity coupling to a topological insulator. Physical Review B, 2020, 102, .	3.2	0
64	Influence of Device Geometry on Transport Properties of Topological Insulator Microflakes. Chinese Physics Letters, 2021, 38, 117302.	3.3	0