

# 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 $\text{Bi}_2\text{Se}_3$ . Physical Review Letters, 2010, 105, 176602.	7.8	573
2	All-Solid-State Synaptic Transistor with Ultralow Conductance for Neuromorphic Computing. Advanced Functional Materials, 2018, 28, 1804170.	14.9	335
3	A Synaptic Transistor based on Quasi-2D Molybdenum Oxide. Advanced Materials, 2017, 29, 1700906.	21.0	304
4	Tunable surface conductivity in $\text{Bi}_2\text{Se}_3$ revealed in $\text{Bi}_2\text{Se}_3$ thin films on $\text{SrTiO}_3$ with large tunability in chemical potential. Advanced Functional Materials, 2011, 21, 2351-2355.	3.2	226
5	Growth of Topological Insulator $\text{Bi}_2\text{Se}_3$ Thin Films on $\text{SrTiO}_3$ with Large Tunability in Chemical Potential. Advanced Functional Materials, 2011, 21, 2351-2355.	14.9	122
6	Transport in two-dimensional topological materials: recent developments in experiment and theory. 2D Materials, 2020, 7, 022007.	4.4	92
7	Observation of Anderson Localization in Ultrathin Films of Three-Dimensional Topological Insulators. Physical Review Letters, 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. Applied Physics Letters, 2012, 101, .	3.3	76
9	Effect of Different Substituted Groups on Excited-State Intramolecular Proton Transfer of 1-(Acylamino)-anthraquinones. Journal of Physical Chemistry C, 2017, 121, 14779-14786.	3.1	72
10	Giant semiclassical magnetoresistance in high mobility TaAs <sub>2</sub> semimetal. Applied Physics Letters, 2016, 108, 042105.	3.3	67
11	Hall magnetometry on a single iron nanoparticle. Applied Physics Letters, 2002, 80, 4644-4646.	3.3	65
12	Parallel field magnetoresistance in topological insulator thin films. Physical Review B, 2013, 88, .	3.2	63
13	Thickness Dependence of the Quantum Anomalous Hall Effect in Magnetic Topological Insulator Films. Advanced Materials, 2016, 28, 6386-6390.	21.0	63
14	Evidence for Half-Metallicity in $\text{HgCr}_2\text{Te}_4$ . Physical Review Letters, 2015, 115, 087002.	7.8	62
15	Large negative magnetoresistance of a nearly Dirac material: Layered antimonide $\text{EuMnSb}_2$ . Physical Review B, 2017, 96, .	3.2	50
16	Linear and Nonlinear Two-Terminal Spin-Valve Effect from Chirality-Induced Spin Selectivity. ACS Nano, 2020, 14, 15983-15991.	14.6	47
17	Cavity enhanced Faraday rotation of semiconductor quantum dots. Applied Physics Letters, 2006, 88, 193126.	3.3	42
18	Enhanced electron dephasing in three-dimensional topological insulators. Nature Communications, 2017, 8, 16071.	12.8	41



#	ARTICLE	IF	CITATIONS
37	Spin correlations and colossal magnetoresistance in $\text{HgCr}_2\text{Br}_2$ . Physical Review B, 2016, 94, .	3.2	15
38	Homoepitaxial SrTiO <sub>3</sub> (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 (Ba,Na)(Zn,Mn) <sub>2</sub> As <sub>2</sub> . Applied Physics Letters, 2018, 112, .	3.3	13
41	Study of Microstructure and Interfacial Interaction in Al <sup>6</sup> C <sub>60</sub> Co-Evaporated Films. Physica Status Solidi A, 1997, 163, 403-409.	1.7	12
42	Current-induced nuclear spin depolarization at Landau level filling factor $\nu = 1/2$ . Physical Review B, 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 <sub>60</sub> /Pd multilayers. Materials Research Bulletin, 2000, 35, 551-557.	5.2	10
45	Magnetic-Competition-Induced Colossal Magnetoresistance in $n$ -Type $\text{HgCr}_2\text{Br}_2$ under High. Physical Review Letters, 2019, 123, 047201.	7.8	9
46	Resistance anomaly and linear magnetoresistance in thin flakes of itinerant ferromagnet $\text{Fe}_3\text{GeTe}_2$ . Chinese Physics Letters, 2022, 39, 077501.	3.3	9
47	Growth of C <sub>60</sub> 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 <sub>2</sub> Se <sub>3</sub> 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 <sub>2</sub> Se <sub>3</sub> 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 (Bi <sub>0.5</sub> Sb <sub>0.5</sub> ) <sub>2</sub> Te <sub>3</sub> 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 $GaAs/Al_xGa_{1-x}As$ 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 $HgCr_2O_4$ with muon-spin spectroscopy and resistance-fluctuation measurements. Physical Review B, 2022, 105, .	3.3	0
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