Xianggang Qiu

List of Publications by Year
in descending order

27 papers	537 citations	759233 12 h-index	642732 23 g-index
28 all docs	28 docs citations	28 times ranked	974 citing authors

#	Article	IF	Citations
1	Temperature-Driven Topological Phase Transition and Intermediate Dirac Semimetal Phase in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>ZrTe</mml:mi></mml:mrow><mml:mrow><mml:mn>5</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>. Physical Review Letters, 2018, 121, 187401.	7.8	93
2	Tracking Ultrafast Photocurrents in the Weyl Semimetal TaAs Using THz Emission Spectroscopy. Physical Review Letters, 2019, 122, 197401.	7.8	76
3	Magnetization-Induced Band Shift in Ferromagnetic Weyl Semimetal <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>Co</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msub><mml:msub><mml:mrow><mml:mi mathvariant="normal">S</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>. Physical Review Letters, 2020, 124, 077403.	7.8	48
4	Leakage mechanism of (Ba0.7Sr0.3)TiO3 thin films in the low-temperature range. Applied Physics Letters, 2002, 81, 4817-4819.	3.3	42
5	Spin-Fluctuation-Induced Non-Fermi-Liquid Behavior with Suppressed Superconductivity in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>LiFe</mml:mi></mml:mrow><mml:mrow><mml:mn>1</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>. Physical Review X, 2015, 5, .	8.9	35
6	Nematic Quantum Critical Fluctuations in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>BaFe</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>. Physical Review Letters, 2016, 117, 157002.	7.8	33
7	Neutron Spin Resonance in a Quasi-Two-Dimensional Iron-Based Superconductor. Physical Review Letters, 2020, 125, 117002.	7.8	31
8	Observation of a topological nodal-line semimetal in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>YbMnSb</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math> through optical spectroscopy. Physical Review B, 2019, 100, .	3.2	26
9	Temperature- and field-dependent leakage current of Pt/(Ba0.7Sr0.3)TiO3 interface. Applied Physics Letters, 2003, 83, 1611-1613.	3.3	25
10	Anomalous phonon behavior in superconducting <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>CaKFe</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:mrow></mml:math>: An optical study. Physical Review B, 2017, 95, .	3.2	24
11	Enhanced dielectric properties of Ba1âˆ’xSrxTiO3 thin film grown on La1âˆ’xSrxMnO3 bottom layer. Journal of Applied Physics, 2004, 96, 6578-6584.	2.5	21
12	Positive temperature coefficient of resistivity in Ptâ•(Ba0.7Sr0.3)TiO3â•YBa2Cu3O7-x capacitors. Applied Physics Letters, 2004, 85, 5019-5021.	3.3	13
13	Spin-Canting-Induced Band Reconstruction in the Dirac Material Ca1âˆ’xNaxMnBi2. Physical Review Letters, 2020, 124, 137201.	7.8	11
14	Infrared spectroscopic studies of the topological properties in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>CaMnSb</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math>. Physical Review B, 2018, 98, .	3.2	10
15	Formation of As-As bond and its effect on absence of superconductivity in the collapsed tetragonal phase of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Ca</mml:mi><mml:mrow><mml:mn>0.86</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>: An optical spectroscopy study. Physical Review B, 2015, 91, .	3.2	9
16	Observation of an emergent coherent state in the iron-based superconductor <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>KFe</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2017, 96, .	3.2	9
17	Scaling of the Fano Effect of the In-Plane Fe-As Phonon and the Superconducting Critical Temperature in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>Ba</mml:mi></mml:mrow><mml:mrow><mml:mn>1</mml:mn></mml:mrow></mml:msub><mml:msub><mml:mrow><mml:mi mathvariant="normal">K</mml:mi></mml:mrow><mml:mrow><mml:mi>x</mml:mi></mml:mrow></mml:msub></mml:mrow></mml:math>. Physical Review Letters, 2019, 122, 217002.	7.8	7
18	High-temperature ferromagnetic semiconductor with a field-tunable green fluorescent effect. NPG Asia Materials, 2020, 12, .	7.9	7

#	Article	IF	Citations
19	Direct Observation of Coherent Longitudinal and Shear Acoustic Phonons in TaAs Using Ultrafast X-Ray Diffraction. Physical Review Letters, 2022, 128, 155301.	7.8	7
20	Unravelling the mechanism of the semiconducting-like behavior and its relation to superconductivity in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mo>(</mml:mo><mml:msub><mml:mi>CaFe</mml:mi><mml Physical Review B, 2019, 99, .	3.2	5
21	Abnormal temperature dependence of dielectric constant in (Ba0.7Sr0.3)TiO3 thin films. Applied Physics Letters, 2004, 85, 4106-4108.	3.3	3
22	Optical study of the antiferromagnetic ordered state in electron-overdoped<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Ca</mml:mi><mml:mrow><mml:mn>0.77</ Physical Review B, 2016, 93, .	3.2	3
23	Influence of intrinsic electronic properties on light transmission through subwavelength holes on gold and MgB<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>thin films. Physical Review B, 2011, 84, .	3.2	2
24	Intrinsic abnormal electromagnetic medium based on polar lattice vibration. Science Bulletin, 2011, 56, 1318-1324.	1.7	1
25	Linear magnetization dependence and large intrinsic anomalous Hall effect in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Fe</mml:mi><mml:mn>78</mml:mn></ mathvariant="normal">B</mml:mi><mml:mn>13</mml:mn></mml:msub></mml:mrow></mml:math> metallic glasses. Physical Review B, 2021, 104, .	3.2	1
26	Transmission properties of composite metamaterials in the terahertz domain. , 2008, , .		0
27	Effects of temperature and magnetic field direction on the electron-hole compensation in WTe2. Science China: Physics, Mechanics and Astronomy, 2016, 59, 1.	5.1	0