Pengtao Yang

List of Publications by Year
in descending order

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21	258	933447 10	940533 16
papers	citations	h-index	g-index

21	21	21	286
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Superconductivity of Lanthanum Superhydride Investigated Using the Standard Four-Probe Configuration under High Pressures*. Chinese Physics Letters, 2020, 37, 107401.	3.3	61
2	Monoclinic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>EuSn</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math> : A Novel High-Pressure Network Structure. Physical Review Letters, 2021, 126, 155701.	7.8	24
3	Pressure-Induced Superconductivity up to 9ÂK in the Quasi-One-Dimensional <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>KMn</mml:mi></mml:mrow><mml:mn>6</mml:mn></mml:msub></mml:mrow></mml:math> Physical Review Letters, 2022, 128, 187001.	7.8	23
4	Metal-to-metal transition and heavy-electron state in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Nd</mml:mi><mml:mn>4</mml:mn></mml:msub><mml:mathvariant="normal">O</mml:mi><mml:mrow><mml:mn>10</mml:mn><mml:mo>â^'</mml:mo><mml:mi>Î´</mml:mi></mml:mrow></mml:math> Physical Review B, 2020, 101, .	3.2	16
5	Fabrication and properties of single domain GdBCO superconducting rings by a buffer aided Gd+011 TSIG method. Superconductor Science and Technology, 2017, 30, 085003.	3.5	14
6	Novel configurations for the fabrication of high quality REBCO bulk superconductors by a modified RE + 011 top-seeded infiltration and growth process. Superconductor Science and Technology, 2018, 31, 085005.	3.5	14
7	Quasi-one-dimensional superconductivity in the pressurized charge-density-wave conductor HfTe3. Npj Quantum Materials, 2021, 6, .	5.2	13
8	Pressure effect on the anomalous Hall effect of ferromagnetic Weyl semimetal Co3Sn2S2. Physical Review Materials, 2020, 4, .	2.4	12
9	The Influence of Y2Ba4CuNbO x Nanoparticle Addition on the Superconducting Properties of Single Domain YBCO Bulks. Journal of Superconductivity and Novel Magnetism, 2014, 27, 2487-2492.	1.8	11
10	Effects of disorder and hydrostatic pressure on charge density wave and superconductivity in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>2</mml:mn><mml:mi>H</mml:mi></mml:mrow><mml:m Physical Review B, 2021, 103, .	3.2	11
11	Pressured-induced superconducting phase with large upper critical field and concomitant enhancement of antiferromagnetic transition in EuTe2. Nature Communications, 2022, 13, .	12.8	11
12	Superconducting phase diagrams of S-doped <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>2</mml:mn><mml:mi>H</mml:mi><mml:mtext>â^'</mml:mtext><mml:mathvariant="normal">Se</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> under hydrostatic pressure. Physical Review B, 2020, 102, .	3.2	10
13	Magnetic shielding of a short thick GdBCO tube fabricated by the buffer aided top-seeded infiltration and growth method. Superconductor Science and Technology, 2019, 32, 115015.	3.5	9
14	Anomalous charge density wave state evolution and dome-like superconductivity in CuIr₂Te_{4â^'x}Se _x chalcogenides. Superconductor Science and Technology, 2021, 34, 115003.	3.5	7
15	Pressure-driven superconducting dome in the vicinity of CDW in the pyrite-type superconductor <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>CuS</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:m Physical Review Materials, 2022, 6, .	2.4	7
16	Theoretical analysis and numerical calculation of 3D trapped field distribution of single domain SmBCO bulks by Sm+011 TSIG methods. Physica C: Superconductivity and Its Applications, 2017, 540, 32-37.	1.2	3
17	é‡‡ç”¨é¡¶éƒ¨ç±½æ™¶ç†”èžè¾¾åŠ©ç†”æ¸—æ³•å^¶å‡«æ€§èƒ½å•ç´GdBCOè¶…å¯¼å—æ Scientia Sinica: Physica, Mechanica Et As	3.4	3
18	Superconducting phase diagram and the evolution of electronic structure across charge density wave in underdoped <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>1</mml:mn><mml:mi>T</mml:mi><mml:mtext>â^'</mml:mtext> under hydrostatic pressure. Physical Review B, 2021, 104, .	3.2	3

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19	Bottom-Seeded Infiltration and Growth for Fabrication of Single-Grain GdBCO Superconducting Ring. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.7	2
20	The effect of the magnetic field distribution of permanent magnets on the trapped field properties of a single domain GdBCO bulk superconductor. Superconductor Science and Technology, 2020, 33, 025011.	3.5	2
21	Pressure effect in the antiperovskite phosphide superconductor <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Sr</mml:mi><mml:msub><mml:mrow><mml:mo>(</m mathvariant="normal">P</mml:mi></mml:mrow></mml:math>. Physical Review B, 2022, 105, .	3.2	2