Ke Chen

List of Publications by Year
in descending order

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38	510	623734	713466
papers	citations	14 h-index	21 g-index

39	39	39	573
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Epitaxial Ultrathin MgB₂ Films on C-Terminated 6Hâ€“SiC ($000ar{1}$) Substrates Grown by HPCVD. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-4.	1.7	3
2	Reduced Critical Current Spread in Planar MgB₂ Josephson Junction Array Made by Focused Helium Ion Beam. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-6.	1.7	11
3	Normal-state and superconducting properties of Co-doped BaFe2As2 and MgB2 thin films after focused helium ion beam irradiation. Superconductor Science and Technology, 2019, 32, 095009.	3.5	6
4	Excitonic and Confinement Effects of 2D Layered (C₁₀H₂₁NH₃)₂PbBr₄ Single Crystals. ACS Applied Energy Materials, 2018, 1, 1476-1482.	5.1	14
5	MgB2 Josephson junctions produced by focused helium ion beam irradiation. AIP Advances, 2018, 8, .	1.3	21
6	Electrical properties of graphene tunnel junctions with high-Î¹ metal-oxide barriers. Journal Physics D: Applied Physics, 2017, 50, 155101.	2.8	4
7	Multilayer MgB2 superconducting quantum interference filter magnetometers. Applied Physics Letters, 2016, 108, 172602.	3.3	4
8	Microwave resonant activation in hybrid single-gap/two-gap Josephson tunnel junctions. Journal of Applied Physics, 2016, 120, 123904.	2.5	1
9	Graphene tunnel junctions with aluminum oxide barrier. Journal of Applied Physics, 2016, 120, .	2.5	4
10	Multifunctional Chargeâ€Transfer Single Crystals through Supramolecular Assembly. Advanced Materials, 2016, 28, 5322-5329.	21.0	21
11	Chemically Driven Interfacial Coupling in Charge-Transfer Mediated Functional Superstructures. Nano Letters, 2016, 16, 2851-2859.	9.1	14
12	Enhancement of lower critical field by reducing the thickness of epitaxial and polycrystalline MgB2 thin films. APL Materials, 2015, 3, .	5.1	15
13	Study of $hbox{MgB}_{2}$ Josephson Junction Arrays and Sub- $muhbox{m}$ Junctions. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-4.	1.7	7
14	Dry transfer of chemical-vapor-deposition-grown graphene onto liquid-sensitive surfaces for tunnel junction applications. Nanotechnology, 2015, 26, 035302.	2.6	19
15	Energy gap substructures in conductance measurements of MgB2-based Josephson junctions: beyond the two-gap model. Superconductor Science and Technology, 2015, 28, 055015.	3.5	4
16	Superconducting magnesium diboride coatings for radio frequency cavities fabricated by hybrid physical-chemical vapor deposition. Physical Review Special Topics: Accelerators and Beams, 2014, 17, .	1.8	13
17	Study of Components for $hbox{MgB}_{2}$ RSFQ Digital Circuits. IEEE Transactions on Applied Superconductivity, 2013, 23, 1700204-1700204.	1.7	7
18	Tunneling investigation of the electron scattering effect on the momentum-dependent energy gap distribution in MgB2. Journal of Applied Physics, 2013, 113, 083902.	2.5	1

#	Article	IF	Citations
19	MgB2 Thin Films on Metal Substrates for Superconducting RF Cavity Applications. Journal of Superconductivity and Novel Magnetism, 2013, 26, 1563-1568.	1.8	9
20	Penetration depth of MgB2measured using Josephson junctions and SQUIDs. Applied Physics Letters, 2013, 102, 072603.	3.3	19
21	Large-Area <jats:formula formulatype="inline"> <img src="/images/tex/812.gif" alt="hbox {MgB}_{2}"> </jats:formula> Films Fabricated by Scaled-Up Hybrid Physicalâ€“Chemical Vapor Deposition. IEEE Transactions on Applied Superconductivity, 2013, 23, 7500304-7500304.	1.7	4
22	Superconducting MgB2 rapid single flux quantum toggle flip flop circuit. Applied Physics Letters, 2013, 102, .	3.3	10
23	Planar-type MgB2 SQUIDs utilizing a multilayer process. Applied Physics Letters, 2013, 103, 212603.	3.3	10
24	Multiple Andreev reflection in MgB2/MgO/MgB2 Josephson junctions. Applied Physics Letters, 2012, 100, 122601.	3.3	4
25	Momentum-dependent multiple gaps in magnesium diboride probed by electron tunnelling spectroscopy. Nature Communications, 2012, 3, 619.	12.8	15
26	Structural and electrical properties of epitaxial Bi₂Se₃ thin films grown by hybrid physical-chemical vapor deposition. Applied Physics Letters, 2012, 100, 162110.	3.3	44
27	<jats:formula formulatype="inline"><jats:tex Notation="TeX">${m MgB}_{2}/{m MgO/MgB}_{2}$</jats:tex></jats:formula> Josephson Junctions for High-Speed Circuits. IEEE Transactions on Applied Superconductivity, 2011, 21, 115-118.	1.7	10
28	High-Jcâ€ˆMgB2 Josephson junctions with operating temperature up to 40 K. Applied Physics Letters, 2010, 96, .	3.3	27
29	Structural and thermoelectric properties of Bi2Sr2Co2Oy thin films on LaAlO3 (100) and fused silica substrates. Applied Physics Letters, 2009, 94, 022110.	3.3	36
30	Study of the Josephson Current of ${m MgB}_{2}/{m Insulator/Pb}$ Tunnel Junctions. IEEE Transactions on Applied Superconductivity, 2009, 19, 261-264.	1.7	2
31	Growth of ${m MgB}_{2}$ Thin Films In Situ by RF Magnetron Sputtering With a Pocket Heater. IEEE Transactions on Applied Superconductivity, 2009, 19, 2811-2814.	1.7	2
32	Study of MgB2âˆ•Iâˆ•Pb tunnel junctions on MgO (211) substrates. Applied Physics Letters, 2008, 93, 012502.	3.3	24
33	Study of Planar ${m MgB}_{2}/{m TiB}_{2}/{m MgB}_{2}$ Josephson Junctions Using the Proximity Effect SNS Model. IEEE Transactions on Applied Superconductivity, 2007, 17, 955-958.	1.7	5
34	${m MgB}_{2}/{m insulator/Pb}$ Josephson Junctions With Different Tunnel Barriers. IEEE Transactions on Applied Superconductivity, 2007, 17, 218-221.	1.7	2
35	Planar MgB2 Josephson junctions and series arrays via nanolithography and ion damage. Applied Physics Letters, 2006, 88, 012509.	3.3	44
36	Degradation-free interfaces in MgB2/insulator/Pb Josephson tunnel junctions. Applied Physics Letters, 2006, 89, 202513.	3.3	25

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37	Study of Closely Spaced<tex>$rm YBa_2rm Cu_3rm O_7-delta$</tex>Josephson Junction Pairs. IEEE Transactions on Applied Superconductivity, 2005, 15, 149-152.	1.7	14
38	Planar thin film YBa2Cu3O7â˜Î´ Josephson junction pairs and arrays via nanolithography and ion damage. Applied Physics Letters, 2004, 85, 2863-2865.	3.3	35