

Cong Liu

List of Publications by Year in descending order

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31
papers

191
citations

1307594

7
h-index

1199594

12
g-index

31
all docs

31
docs citations

31
times ranked

81
citing authors

#	ARTICLE	IF	CITATIONS
1	Extraction on the Contact Forces Among the Opaque and Non-photoelastic Particles Under Electromagnetic Force. <i>Acta Mechanica Solida Sinica</i> , 2022, 35, 248-260.	1.9	1
2	Controllable rectification on the irreversible strain limit of 2G HTS coated conductors. <i>Superconductor Science and Technology</i> , 2022, 35, 015003.	3.5	4
3	Relative tilting in-plane of one of gratings in coherent gradient sensor: Error analysis and correction. <i>Optics and Lasers in Engineering</i> , 2022, 151, 106850.	3.8	2
4	Key Issues for Measuring the Electromechanical Properties of 2G HTS Coated Conductors. <i>IEEE Transactions on Applied Superconductivity</i> , 2022, 32, 1-4.	1.7	6
5	Fluorescent paint for determination on the effective thermal conductivity of YBCO coated conductor. <i>Superconductor Science and Technology</i> , 2021, 34, 035029.	3.5	6
6	Optimized multi-exposure optical path with a single laser pulse for the measurement of ultra-high speed. <i>AIP Advances</i> , 2021, 11, 045101.	1.3	2
7	Direct Determination of the Power Threshold Value of Vortex Avalanche in YBa ₂ Cu ₃ O _{7-x} Thin Films Triggered by a Laser Pulse. <i>Experimental Mechanics</i> , 2021, 61, 1227.	2.0	2
8	Probing of the internal damage morphology in multilayered high-temperature superconducting wires. <i>Nature Communications</i> , 2021, 12, 3110.	12.8	24
9	Sample capacity and anvil size effects for a standardized method to determine the delamination strength of 2G HTS coated conductors. <i>Physica C: Superconductivity and Its Applications</i> , 2021, 588, 1353929.	1.2	7
10	Quantitative observation of attenuation coefficient of electromagnetic wave propagation in haze incorporating charged aerosol. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2020, 257, 107365.	2.3	2
11	A distinct method to eliminate the induced voltage in AC loss determination without phase control. <i>AIP Advances</i> , 2020, 10, .	1.3	3
12	A method to access the electro-mechanical properties of superconducting thin film under uniaxial compression. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2020, 36, 1046-1050.	3.4	7
13	A novel method for quantitative magneto-optical measurement under non-uniform illumination. <i>Measurement Science and Technology</i> , 2020, 31, 085002.	2.6	1
14	A standardized measurement method and data analysis for the delamination strengths of YBCO coated conductors. <i>Superconductor Science and Technology</i> , 2020, 33, 035005.	3.5	27
15	Optically Triggered Chaotic Vortex Avalanches in Superconducting $YBa_2Cu_3O_{7-x}$ Thin Films. <i>Physical Review Applied</i> , 2020, 13, .	3.8	10
16	Rules of non-superconducting phase particles on crack propagation in YBCO coated conductors fabricated by the IBAD-MOCVD. <i>Superconductor Science and Technology</i> , 2020, 33, 105007.	3.5	7
17	Analysis on the contact force behaviors among strands of CICC conductor cross section. <i>Scientia Sinica: Physica, Mechanica Et Astronomica</i> , 2020, 50, 044602.	0.4	0
18	The mechanism of stick-slip phenomenon during friction process at low temperature environment. <i>AIP Advances</i> , 2019, 9, .	1.3	6

#	ARTICLE	IF	CITATIONS
19	Non-uniform stresses in thin high temperature superconducting films under electromagnetic force: General models of curvature-stress relations and experimental results. Journal of Applied Physics, 2019, 126, .	2.5	3
20	A novel design for magneto-optical microscopy and its calibration. Measurement Science and Technology, 2019, 30, 115904.	2.6	8
21	Improvement of the pinning property in YBa ₂ Cu ₃ O _{7-x} films below 35 K by doping with graphene oxide. AIP Advances, 2019, 9, .	1.3	7
22	Morphology of supercooled droplets freezing on solid surfaces. AIP Advances, 2018, 8, .	1.3	4
23	Real-time stress evolution in a high temperature superconducting thin film caused by a pulse magnetic field. Thin Solid Films, 2017, 639, 47-55.	1.8	5
24	Experimental Investigation on the Contact Mechanical Characteristics of Superconducting Strands in the CICC Cross-Section. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-6.	1.7	3
25	Multiplication method for sparse interferometric fringes. Optics Express, 2016, 24, 7693.	3.4	1
26	A visualization instrument to investigate the mechanical-electro properties of high temperature superconducting tapes under multi-fields. Review of Scientific Instruments, 2016, 87, 075106.	1.3	10
27	The coherent gradient sensor for thin film curvature measurements in multiple media. Optics and Lasers in Engineering, 2015, 66, 92-97.	3.8	4
28	A direct tensile device to investigate the critical current properties in superconducting tapes. Review of Scientific Instruments, 2014, 85, 025103.	1.3	14
29	Nonuniform magnetic stresses in high temperature superconducting thin films. Journal of Applied Physics, 2014, 115, 043911.	2.5	2
30	A general coherent gradient sensor for film curvature measurements: Error analysis without temperature constraint. Optics and Lasers in Engineering, 2013, 51, 808-812.	3.8	7
31	The coherent gradient sensor for film curvature measurements at cryogenic temperature. Optics Express, 2013, 21, 26352.	3.4	6