

Cong Liu

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

191
citations

1307594

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1199594

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31
all docs

31
docs citations

31
times ranked

81
citing authors

#	ARTICLE	IF	CITATIONS
1	A standardized measurement method and data analysis for the delamination strengths of YBCO coated conductors. Superconductor Science and Technology, 2020, 33, 035005.	3.5	27
2	Probing of the internal damage morphology in multilayered high-temperature superconducting wires. Nature Communications, 2021, 12, 3110.	12.8	24
3	A direct tensile device to investigate the critical current properties in superconducting tapes. Review of Scientific Instruments, 2014, 85, 025103.	1.3	14
4	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
5	Optically Triggered Chaotic Vortex Avalanches in Superconducting $YBa_2Cu_3O_{7-x}$ Films. Physical Review Applied, 2020, 13, .	3.8	10
6	A novel design for magneto-optical microscopy and its calibration. Measurement Science and Technology, 2019, 30, 115904.	2.6	8
7	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
8	Improvement of the pinning property in $YBa_2Cu_3O_{7-x}$ films below 35 K by doping with graphene oxide. AIP Advances, 2019, 9, .	1.3	7
9	A method to access the electro-mechanical properties of superconducting thin film under uniaxial compression. Acta Mechanica Sinica/Lixue Xuebao, 2020, 36, 1046-1050.	3.4	7
10	Sample capacity and anvil size effects for a standardized method to determine the delamination strength of 2G HTS coated conductors. Physica C: Superconductivity and Its Applications, 2021, 588, 1353929.	1.2	7
11	Rules of non-superconducting phase particles on crack propagation in YBCO coated conductors fabricated by the IBAD-MOCVD. Superconductor Science and Technology, 2020, 33, 105007.	3.5	7
12	The coherent gradient sensor for film curvature measurements at cryogenic temperature. Optics Express, 2013, 21, 26352.	3.4	6
13	The mechanism of stick-slip phenomenon during friction process at low temperature environment. AIP Advances, 2019, 9, .	1.3	6
14	Fluorescent paint for determination on the effective thermal conductivity of YBCO coated conductor. Superconductor Science and Technology, 2021, 34, 035029.	3.5	6
15	Key Issues for Measuring the Electromechanical Properties of 2G HTS Coated Conductors. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-4.	1.7	6
16	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
17	The coherent gradient sensor for thin film curvature measurements in multiple media. Optics and Lasers in Engineering, 2015, 66, 92-97.	3.8	4
18	Morphology of supercooled droplets freezing on solid surfaces. AIP Advances, 2018, 8, .	1.3	4

#	ARTICLE	IF	CITATIONS
19	Controllable rectification on the irreversible strain limit of 2G HTS coated conductors. Superconductor Science and Technology, 2022, 35, 015003.	3.5	4
20	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
21	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
22	A distinct method to eliminate the induced voltage in AC loss determination without phase control. AIP Advances, 2020, 10, .	1.3	3
23	Nonuniform magnetic stresses in high temperature superconducting thin films. Journal of Applied Physics, 2014, 115, 043911.	2.5	2
24	Quantitative observation of attenuation coefficient of electromagnetic wave propagation in haze incorporating charged aerosol. Journal of Quantitative Spectroscopy and Radiative Transfer, 2020, 257, 107365.	2.3	2
25	Optimized multi-exposure optical path with a single laser pulse for the measurement of ultra-high speed. AIP Advances, 2021, 11, 045101.	1.3	2
26	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. Experimental Mechanics, 2021, 61, 1227.	2.0	2
27	Relative tilting in-plane of one of gratings in coherent gradient sensor: Error analysis and correction. Optics and Lasers in Engineering, 2022, 151, 106850.	3.8	2
28	Multiplication method for sparse interferometric fringes. Optics Express, 2016, 24, 7693.	3.4	1
29	A novel method for quantitative magneto-optical measurement under non-uniform illumination. Measurement Science and Technology, 2020, 31, 085002.	2.6	1
30	Extraction on the Contact Forces Among the Opaque and Non-photoelastic Particles Under Electromagnetic Force. Acta Mechanica Solida Sinica, 2022, 35, 248-260.	1.9	1
31	Analysis on the contact force behaviors among strands of CICC conductor cross section. Scientia Sinica: Physica, Mechanica Et Astronomica, 2020, 50, 044602.	0.4	0