

Jun Zhou

List of Publications by Year in descending order

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all docs

37
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206
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	Effects of Charged Martian Dust on Martian Atmosphere Remote Sensing. <i>Remote Sensing</i> , 2022, 14, 2072.	4.0	4
3	Direct Measurement on the Residual Stress in $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ Bulk Superconductors Fabricated by Top-Seed Melt-Textured Method. <i>Acta Mechanica Solida Sinica</i> , 2021, 34, 157-162.	1.9	0
4	An Exponential Law of Hot Spot Temperature Versus Normal Zone Propagation Velocity During the Quench of an $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ Pancake Magnet. <i>IEEE Transactions on Applied Superconductivity</i> , 2021, 31, 1-7.	1.7	2
5	A laboratory study of the electrostatic charge of individual sand particles lofted in an electric field. <i>Aeolian Research</i> , 2021, 50, 100675.	2.7	2
6	Effect of heaters on the measurement of normal zone propagation velocity on short YBCO conductors. <i>Physica C: Superconductivity and Its Applications</i> , 2021, 583, 1353848.	1.2	3
7	Charges of individual sand grains in natural windblown sand fluxes. <i>Aeolian Research</i> , 2021, 53, 100743.	2.7	0
8	Received radar power ratio (RPR) of charged sand/dust aerosol particle systems. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2020, 251, 107040.	2.3	2
9	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
10	Electrostatic forces alter particle size distributions in atmospheric dust. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 3181-3190.	4.9	21
11	T-matrix formulation of electromagnetic wave scattering by charged non-spherical scatterers. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2020, 247, 106952.	2.3	21
12	Modeling of Quench Behavior of $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ Pancake Magnets and Distributed-Temperature-Sensing-Based Quench Detection for Operating Temperature 30–77 K. <i>IEEE Transactions on Applied Superconductivity</i> , 2019, 29, 1-11.	1.7	6
13	A laboratory experimental study on laser attenuations by dust/sand storms. <i>Journal of Aerosol Science</i> , 2018, 121, 31-37.	3.8	26
14	Scattering and attenuation of electromagnetic waves by partly charged particles. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2018, 206, 55-62.	2.3	19
15	Quench Detection Criteria for $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ Coils Monitored via a Distributed Temperature Sensor for 77 K Cases. <i>IEEE Transactions on Applied Superconductivity</i> , 2018, 28, 1-12.	1.7	10
16	Effects of Fiber Diameter and Tribotest Conditions on Nonlubricated Frictional Behavior of a Microsized Metal Fiber. <i>Tribology Transactions</i> , 2018, 61, 376-380.	2.0	2
17	Inhibition of potassium currents is involved in antiarrhythmic effect of moderate ethanol on atrial fibrillation. <i>Toxicology and Applied Pharmacology</i> , 2017, 322, 89-96.	2.8	6
18	Investigations on the Calorimetric Method for Measurement of the AC Losses in Superconducting Tapes. <i>Journal of Superconductivity and Novel Magnetism</i> , 2016, 29, 1173-1179.	1.8	0

#	ARTICLE	IF	CITATIONS
19	Sizing charged particles by phase Doppler anemometry. <i>Applied Optics</i> , 2016, 55, 3279.	1.8	11
20	A visualization instrument to investigate the mechanical-electro properties of high temperature superconducting tapes under multi-fields. <i>Review of Scientific Instruments</i> , 2016, 87, 075106.	1.3	10
21	Effective Young's modulus of the artificial muscle twisted by fishing lines: Analysis and experiment. <i>AIP Advances</i> , 2015, 5, 097113.	1.3	6
22	Controllable rectification of the axial expansion in the thermally driven artificial muscle. <i>Applied Physics Letters</i> , 2015, 107, .	3.3	11
23	Delamination Strength of the Soldered Joint in YBCO Coated Conductors and Its Enhancement. <i>IEEE Transactions on Applied Superconductivity</i> , 2015, 25, 1-9.	1.7	16
24	Transport AC Losses in Soldered Joint of the YBCO-Coated Conductors. <i>Journal of Superconductivity and Novel Magnetism</i> , 2015, 28, 2703-2709.	1.8	2
25	A device to investigate the delamination strength in laminates at room and cryogenic temperature. <i>Review of Scientific Instruments</i> , 2014, 85, 125115.	1.3	7
26	A direct tensile device to investigate the critical current properties in superconducting tapes. <i>Review of Scientific Instruments</i> , 2014, 85, 025103.	1.3	14
27	Nonuniform magnetic stresses in high temperature superconducting thin films. <i>Journal of Applied Physics</i> , 2014, 115, 043911.	2.5	2
28	Nonuniform Current Distributions in YBa ₂ Cu ₃ O _{7-x} Coated Conductor Caused by Fatigue Damage with Digital Speckle Correlation Analysis. <i>Journal of Superconductivity and Novel Magnetism</i> , 2014, 27, 2283-2288.	1.8	2
29	Contact electrification by collision of homogenous particles. <i>Journal of Applied Physics</i> , 2013, 113, .	2.5	43
30	Current transport of the [001]-tilt low-angle grain boundary in high temperature superconductors. <i>Applied Physics Letters</i> , 2013, 103, .	3.3	12
31	An electrification mechanism of sand grains based on the diffuse double layer and Hertz contact theory. <i>Applied Physics Letters</i> , 2013, 103, .	3.3	10
32	Self-enhancement of the critical current of YBa ₂ Cu ₃ O _{7-x} coated conductors caused by the axial tension. <i>Applied Physics Letters</i> , 2013, 103, 042602.	3.3	6
33	Influences of Permanent Magnets Temperature Characteristic on the Levitation Force of YBaCuO Bulk Superconductors. <i>Journal of Superconductivity and Novel Magnetism</i> , 2012, 25, 857-860.	1.8	7
34	Effect of net surface charge on particle sizing and material recognition by using phase Doppler anemometry. <i>Applied Optics</i> , 2011, 50, 379.	2.1	19
35	Levitation Properties of Melt-Processed YBCO Bulk with a Linear Notch. <i>Journal of Superconductivity and Novel Magnetism</i> , 2010, 23, 265-268.	1.8	2
36	A new simple method of implicit time integration for dynamic problems of engineering structures. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2007, 23, 91-99.	3.4	6

#	ARTICLE	IF	CITATIONS
37	NEW WAVELET APPROXIMATIONS OF DEFLECTIONS FOR SOLVING PDES OF BEAMS AND SQUARE THIN PLATES. , 2007, , .		0