

Jun Zhou

List of Publications by Year in descending order

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37
papers

318
citations

840776

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37
all docs

37
docs citations

37
times ranked

206
citing authors

#	ARTICLE	IF	CITATIONS
1	Contact electrification by collision of homogenous particles. Journal of Applied Physics, 2013, 113, .	2.5	43
2	A laboratory experimental study on laser attenuations by dust/sand storms. Journal of Aerosol Science, 2018, 121, 31-37.	3.8	26
3	Electrostatic forces alter particle size distributions in atmospheric dust. Atmospheric Chemistry and Physics, 2020, 20, 3181-3190.	4.9	21
4	T-matrix formulation of electromagnetic wave scattering by charged non-spherical scatterers. Journal of Quantitative Spectroscopy and Radiative Transfer, 2020, 247, 106952.	2.3	21
5	Effect of net surface charge on particle sizing and material recognition by using phase Doppler anemometry. Applied Optics, 2011, 50, 379.	2.1	19
6	Scattering and attenuation of electromagnetic waves by partly charged particles. Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 206, 55-62.	2.3	19
7	Delamination Strength of the Soldered Joint in YBCO Coated Conductors and Its Enhancement. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-9.	1.7	16
8	A direct tensile device to investigate the critical current properties in superconducting tapes. Review of Scientific Instruments, 2014, 85, 025103.	1.3	14
9	Current transport of the [001]-tilt low-angle grain boundary in high temperature superconductors. Applied Physics Letters, 2013, 103, .	3.3	12
10	Controllable rectification of the axial expansion in the thermally driven artificial muscle. Applied Physics Letters, 2015, 107, .	3.3	11
11	Sizing charged particles by phase Doppler anemometry. Applied Optics, 2016, 55, 3279.	1.8	11
12	An electrification mechanism of sand grains based on the diffuse double layer and Hertz contact theory. Applied Physics Letters, 2013, 103, .	3.3	10
13	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
14	Quench Detection Criteria for YBa ₂ Cu ₃ O _{7-δ} Coils Monitored via a Distributed Temperature Sensor for 77 K Cases. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-12.	1.7	10
15	Influences of Permanent Magnets Temperature Characteristic on the Levitation Force of YBaCuO Bulk Superconductors. Journal of Superconductivity and Novel Magnetism, 2012, 25, 857-860.	1.8	7
16	A device to investigate the delamination strength in laminates at room and cryogenic temperature. Review of Scientific Instruments, 2014, 85, 125115.	1.3	7
17	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
18	A new simple method of implicit time integration for dynamic problems of engineering structures. Acta Mechanica Sinica/Lixue Xuebao, 2007, 23, 91-99.	3.4	6

#	ARTICLE	IF	CITATIONS
19	Self-enhancement of the critical current of $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ coated conductors caused by the axial tension. <i>Applied Physics Letters</i> , 2013, 103, 042602.	3.3	6
20	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
21	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
22	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
23	Effects of Charged Martian Dust on Martian Atmosphere Remote Sensing. <i>Remote Sensing</i> , 2022, 14, 2072.	4.0	4
24	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
25	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
26	Nonuniform magnetic stresses in high temperature superconducting thin films. <i>Journal of Applied Physics</i> , 2014, 115, 043911.	2.5	2
27	Nonuniform Current Distributions in $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ 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
28	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
29	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
30	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
31	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
32	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
33	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
34	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
35	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
36	Charges of individual sand grains in natural windblown sand fluxes. <i>Aeolian Research</i> , 2021, 53, 100743.	2.7	0

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