

Ke Wang

List of Publications by Year in descending order

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80
papers

3,558
citations

186265
28
h-index

138484
58
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80
all docs

80
docs citations

80
times ranked

5847
citing authors

#	ARTICLE	IF	CITATIONS
1	Cold sintering ZnO based varistor ceramics with controlled grain growth to realize superior breakdown electric field. <i>Journal of the European Ceramic Society</i> , 2021, 41, 430-435.	5.7	26
2	Is the Tone of Risk Disclosures in MD&As Relevant to Debt Markets? Evidence from the Pricing of Credit Default Swaps[*]. <i>Contemporary Accounting Research</i> , 2021, 38, 1465-1501.	3.0	19
3	Research on Flux Weakening Control of Single Q-axis Current Regulator Scheme for Long Stator Permanent Magnet Linear Synchronous Motor. , 2021, , .		1
4	Why Do Banks Favor Employee-Friendly Firms? A Stakeholder-Screening Perspective. <i>Organization Science</i> , 2021, 32, 605-624.	4.5	14
5	The transient state analysis of changing step of long stator linear synchronous motor for maglev vehicle. , 2021, , .		0
6	Research on Sensorless Control for Long-stator Linear Synchronous Motors Applied in Maglev Trains under the Influence of Levitation System. , 2021, , .		3
7	Hybrid Improved Carrier-Based PWM Strategy for Three-Level Neutral-Point-Clamped Inverter With Wide Frequency Range. <i>IEEE Transactions on Power Electronics</i> , 2021, 36, 8517-8538.	7.9	19
8	Influence of graded doping on the long-term reliability of Nb-doped lead zirconate titanate films. <i>Acta Materialia</i> , 2021, 219, 117251.	7.9	5
9	Cascade Fault Isolation Control Strategy of Auxiliary Converter in Rail Transit Traction System. , 2021, , .		0
10	High-speed Maglev Harmonic Current Suppression Strategy Based on Feedforward Compensation. , 2021, , .		1
11	Investigation of Thrust and Efficiency in Single-sided Linear Traction Motors with Discontinuous Reaction Rail Using Space Harmonic Technique. , 2021, , .		0
12	Microfluidic Cytometry for Highâ€ throughput Characterization of Single Cell Cytoplasmic Viscosity Using Crossing Constriction Channels. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2020, 97, 630-637.	1.5	11
13	Cold sintering of yttria-stabilized cubic bismuth oxide: Conductivity and microstructural evolution of metastable grain boundaries with annealing. <i>Journal of Applied Physics</i> , 2020, 128, .	2.5	7
14	Research on the Synchronized Carrier-Based PWM Strategy Under Low Switching Frequency for Three-Level Neutral Point Clamped Inverter. , 2020, , .		2
15	Atomically thin half-van der Waals metals enabled by confinement heteroepitaxy. <i>Nature Materials</i> , 2020, 19, 637-643.	27.5	114
16	Thermosetting polymers in cold sintering: The fabrication of ZnOâ€ polydimethylsiloxane composites. <i>Journal of the American Ceramic Society</i> , 2020, 103, 3039-3050.	3.8	28
17	Nature of terrace edge states (TES) in lower-dimensional halide perovskite. <i>Journal of Materials Chemistry A</i> , 2020, 8, 7659-7670.	10.3	14
18	A Carrier-Based Fault-Tolerant Control Method for Three-Level Neutral-Point-Clamped Inverter. , 2020, , .		2

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19	A Carrier-Based Synchronized 3 Integer Multiples SVPWM Algorithm for Three-level Inverter with Symmetrical Waveforms. , 2020, , .		1
20	Readability of 10â€K Reports and Stock Price Crash Risk. Contemporary Accounting Research, 2019, 36, 1184-1216.	3.0	207
21	Improvement of reliability and dielectric breakdown strength of Nbâ€doped lead zirconate titanate films via microstructure control of seed. Journal of the American Ceramic Society, 2019, 102, 1211-1217.	3.8	14
22	Epitaxial graphene/silicon carbide intercalation: a minireview on graphene modulation and unique 2D materials. Nanoscale, 2019, 11, 15440-15447.	5.6	85
23	Distinct conducting layer edge states in two-dimensional (2D) halide perovskite. Science Advances, 2019, 5, eaau3241.	10.3	62
24	Atomic-scale measurement of polar entropy. Physical Review B, 2019, 100, .	3.2	7
25	Atomic and electronic structure of domains walls in a polar metal. Physical Review B, 2019, 99, .	3.2	19
26	Research on the control technology of Six-phase induction motor based with the novel flux observer speed sensorless. , 2019, , .		0
27	Random anion distribution in $MSxSe_{2-x}$ (M = Mo, W) crystals and nanosheets. RSC Advances, 2018, 8, 9871-9878.	3.6	2
28	Development of microfluidic impedance cytometry enabling the quantification of specific membrane capacitance and cytoplasm conductivity from 100,000 single cells. Biosensors and Bioelectronics, 2018, 111, 138-143.	10.1	74
29	Observation of Quasi-Two-Dimensional Polar Domains and Ferroelastic Switching in a Metal, $Ca_{3}Ru_{2}O_{7}$. Nano Letters, 2018, 18, 3088-3095.	9.1	62
30	Tuning the Electronic and Photonic Properties of Monolayer MoS_{2} via In Situ Rhenium Substitutional Doping. Advanced Functional Materials, 2018, 28, 1706950.	14.9	137
31	An Improved Torque and Current Pulsation Suppression Method for Railway Traction Drives Under Fluctuating DC-Link Voltage. IEEE Transactions on Power Electronics, 2018, 33, 8565-8577.	7.9	21
32	Introducing a ZnOâ€PTFE (Polymer) Nanocomposite Varistor via the Cold Sintering Process. Advanced Engineering Materials, 2018, 20, 1700902.	3.5	55
33	Heteroepitaxy of Highly Oriented GaN Films on Nonâ€Single Crystal Substrates Using a Si(111) Template Layer Formed by Aluminumâ€Induced Crystallization. Physica Status Solidi - Rapid Research Letters, 2018, 12, 1700392.	2.4	3
34	An Improved Indirect Field-Oriented Control Scheme for Linear Induction Motor Traction Drives. IEEE Transactions on Industrial Electronics, 2018, 65, 9928-9937.	7.9	35
35	A Novel Propulsion Control Scheme of Long Stator Linear Synchronous Motor for Maglev Vehicle Considering the Influence of Suspension System. , 2018, , .		3
36	Calculation and Analysis of the Winding Loss of High-Frequency Transformer Based on Finite Element Method. , 2018, , .		4

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37	Three-dimensional atomic scale electron density reconstruction of octahedral tilt epitaxy in functional perovskites. <i>Nature Communications</i> , 2018, 9, 5220.	12.8	32
38	Considerations for Utilizing Sodium Chloride in Epitaxial Molybdenum Disulfide. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 40831-40837.	8.0	58
39	Transformation of 2D group-III selenides to ultra-thin nitrides: enabling epitaxy on amorphous substrates. <i>Nanotechnology</i> , 2018, 29, 47LT02.	2.6	6
40	Cold Sintered Ceramic Nanocomposites of 2D MXene and Zinc Oxide. <i>Advanced Materials</i> , 2018, 30, e1801846.	21.0	149
41	Mechanical property characterization of hundreds of single nuclei based on microfluidic constriction channel. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2018, 93, 822-828.	1.5	4
42	Cold Sintering Na ₂ Mo ₂ O ₇ Ceramic with Poly(ether imide) (PEI) Polymer to Realize High-Performance Composites and Integrated Multilayer Circuits. <i>ACS Applied Nano Materials</i> , 2018, 1, 3837-3844.	5.0	35
43	A special excitation system for analysis of coupling characteristics of thrust and levitation force of maglev train. <i>Transportation Systems and Technology</i> , 2018, 4, 45-51.	0.4	0
44	Specific membrane capacitance, cytoplasm conductivity and instantaneous Young's modulus of single tumour cells. <i>Scientific Data</i> , 2017, 4, 170015.	5.3	37
45	Cold sintering and co-firing of a multilayer device with thermoelectric materials. <i>Journal of the American Ceramic Society</i> , 2017, 100, 3488-3496.	3.8	60
46	Electric-Field Induced Reversible Switching of the Magnetic Easy Axis in Co/BiFeO ₃ on SrTiO ₃ . <i>Nano Letters</i> , 2017, 17, 2825-2832.	9.1	33
47	Properties of synthetic epitaxial graphene/molybdenum disulfide lateral heterostructures. <i>Carbon</i> , 2017, 125, 551-556.	10.3	27
48	Effect of lead content on the performance of niobium-doped {100} textured lead zirconate titanate films. <i>Journal of the American Ceramic Society</i> , 2017, 100, 3558-3567.	3.8	19
49	Membrane capacitance of thousands of single white blood cells. <i>Journal of the Royal Society Interface</i> , 2017, 14, 20170717.	3.4	14
50	Role of sulphur atoms on stress relaxation and crack propagation in monolayer MoS ₂ . <i>Nanotechnology</i> , 2017, 28, 365703.	2.6	17
51	Demonstration of the cold sintering process study for the densification and grain growth of ZnO ceramics. <i>Journal of the American Ceramic Society</i> , 2017, 100, 546-553.	3.8	197
52	Deconvoluting the Photonic and Electronic Response of 2D Materials: The Case of MoS ₂ . <i>Scientific Reports</i> , 2017, 7, 16938.	3.3	23
53	Characteristics investigation of single-sided ironless pmlsm based on halbach array for medium-speed Maglev train. <i>CES Transactions on Electrical Machines and Systems</i> , 2017, 1, 375-382.	3.5	4
54	The Instrumentation of a Microfluidic Analyzer Enabling the Characterization of the Specific Membrane Capacitance, Cytoplasm Conductivity, and Instantaneous Young's Modulus of Single Cells. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1158.	4.1	4

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55	Management of Lead Content for Growth of {001}-Oriented Lead Magnesium Niobate/Lead Titanate Thin Films. <i>Journal of the American Ceramic Society</i> , 2016, 99, 1144-1146.	3.8	9
56	Atomic scale imaging of competing polar states in a Ruddlesden-Popper layered oxide. <i>Nature Communications</i> , 2016, 7, 12572.	12.8	26
57	Heteroepitaxial growth of GaN on vertical Si{110} sidewalls formed on trench-etched Si(001) substrates. <i>Journal of Crystal Growth</i> , 2016, 446, 1-6.	1.5	3
58	Spontaneous Formation of Atomically Thin Stripes in Transition Metal Dichalcogenide Monolayers. <i>Nano Letters</i> , 2016, 16, 6982-6987.	9.1	48
59	Two-dimensional gallium nitride realized via graphene-encapsulation. <i>Nature Materials</i> , 2016, 15, 1166-1171.	27.5	626
60	Indirect field oriented control of linear induction motor based on optimized slip frequency for traction application. , 2016, , .		6
61	The impact of graphene properties on GaN and AlN nucleation. <i>Surface Science</i> , 2015, 634, 81-88.	1.9	88
62	Large-area synthesis of WSe ₂ from WO ₃ by selenium-oxygen ion exchange. <i>2D Materials</i> , 2015, 2, 014003.	4.4	37
63	A novel parameter identification of IM based on inverter by reducing dead-time effect. , 2015, , .		0
64	Transmission electron microscopy characterization of Zircaloy-4 and ZIRLO oxide layers. <i>Journal of Nuclear Materials</i> , 2015, 456, 272-280.	2.7	85
65	Prospects of direct growth boron nitride films as substrates for graphene electronics. <i>Journal of Materials Research</i> , 2014, 29, 459-471.	2.6	51
66	Analysis and optimized control of emergency traction by storage battery for urban rail transit vehicle. , 2014, , .		3
67	Fermi level depinning and contact resistivity reduction using a reduced titania interlayer in n-silicon metal-insulator-semiconductor ohmic contacts. <i>Applied Physics Letters</i> , 2014, 104, .	3.3	145
68	Impact of Copper Overpressure on the Synthesis of Hexagonal Boron Nitride Atomic Layers. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 16755-16762.	8.0	18
69	Simulation of adhesion control method based on phase-shift. , 2013, , .		6
70	The Crystal Structure and Phase Transition of Hf ₂ Pt ₃ . <i>Journal of Phase Equilibria and Diffusion</i> , 2013, 34, 385-389.	1.4	5
71	An improved current regulation scheme used in indirect rotor field oriented control for AC traction applications. , 2013, , .		1
72	3D structure determination of native mammalian cells using cryo-FIB and cryo-electron tomography. <i>Journal of Structural Biology</i> , 2012, 180, 318-326.	2.8	66

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73	Mg-Fe Thin Films: A Phase-Separated Structure with Fast Kinetics of Hydrogenation. Journal of Physical Chemistry C, 2012, 116, 21277-21284.	3.1	26
74	Giant magnetostriction in annealed Co _{1-x} Fe _x thin-films. Nature Communications, 2011, 2, 518.	12.8	188
75	The solid lubricating material experiment device for Shenzhou-7 Spaceship. Science China Technological Sciences, 2010, 53, 2521-2527.	4.0	2
76	Nanoporous Au-Pt Alloys As Large Strain Electrochemical Actuators. Nano Letters, 2010, 10, 187-194.	9.1	286
77	Observation of phase transitions in hydrogenated Yttrium films via normalized infrared emissivity. Journal of Alloys and Compounds, 2010, 490, 42-46.	5.5	9
78	Size effects on the hydrogen storage properties of nanoscaffolded Li ₃ BN ₂ H ₈ . Nanotechnology, 2009, 20, 204002.	2.6	36
79	Plastic Deformation-Assisted Synthesis of Metallic Glass Nanostructures. Materials Transactions, 2009, 50, 1890-1893.	1.2	4
80	TEM Sample Preparation for Microcompressed Nanocrystalline Ni. Materials Transactions, 2008, 49, 2091-2095.	1.2	8