

Guang-Ping Zheng

List of Publications by Year in descending order

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Version: 2024-02-01

161
papers

5,956
citations

66234

42
h-index

88477

70
g-index

162
all docs

162
docs citations

162
times ranked

5334
citing authors

#	ARTICLE	IF	CITATIONS
1	Engineering flexible and green electromagnetic interference shielding materials with high performance through modulating WS ₂ nanosheets on carbon fibers. <i>Journal of Materiomics</i> , 2022, 8, 327-334.	2.8	50
2	High-performance microwave absorption enabled by Co ₃ O ₄ modified VB-group laminated VS ₂ with frequency modulation from S-band to Ku-band. <i>Journal of Materials Science and Technology</i> , 2022, 107, 155-164.	5.6	133
3	High energy storage density and efficiency in nanostructured (Bi _{0.2} Na _{0.2} K _{0.2} La _{0.2} Sr _{0.2})TiO ₃ high-entropy ceramics. <i>Journal of the American Ceramic Society</i> , 2022, 105, 1083-1094.	1.9	39
4	Initiating VB-Group Laminated NbS ₂ Electromagnetic Wave Absorber toward Superior Absorption Bandwidth as Large as 6.48ÅGHz through Phase Engineering Modulation. <i>Advanced Functional Materials</i> , 2022, 32, 2108194.	7.8	147
5	Alloying effects on phase stability, mechanical properties, and deformation behavior of CoCrNi-based medium-entropy alloys at low temperatures. <i>Intermetallics</i> , 2022, 140, 107399.	1.8	9
6	Biomass-derived carbon-coated WS ₂ core-shell nanostructures with excellent electromagnetic absorption in C-band. <i>Applied Surface Science</i> , 2022, 577, 151939.	3.1	75
7	Achieving superior GHz-absorption performance in VB-group laminated VS ₂ microwave absorber with dielectric and magnetic synergy effects. <i>Advanced Composites and Hybrid Materials</i> , 2022, 5, 2317-2327.	9.9	24
8	Ultrahigh mechanical flexibility induced superior piezoelectricity of InSeBr-type 2D Janus materials. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 8371-8377.	1.3	6
9	Recent Advances in Design Strategies and Multifunctionality of Flexible Electromagnetic Interference Shielding Materials. <i>Nano-Micro Letters</i> , 2022, 14, 80.	14.4	159
10	Tailoring Self-Polarization of Bimetallic Organic Frameworks with Multiple Polar Units Toward High-Performance Consecutive Multi-Band Electromagnetic Wave Absorption at Gigahertz. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	135
11	Emerging Materials and Designs for Low- and Multi-Band Electromagnetic Wave Absorbers: The Search for Dielectric and Magnetic Synergy?. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	185
12	Janus 2D titanium nitride halide TiNX _{0.5} Y _{0.5} (X, Y = F, Cl, or Br, and X ≠ Y) monolayers with giant out-of-plane piezoelectricity and high carrier mobility. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 3637-3645.	1.3	15
13	Anisotropic correlation between the piezoelectricity and anion-polarizability difference in 2D phosphorene-type ternary GaXY (X = Se, Te; Y = F, Cl, Br, I) monolayers. <i>Journal of Materials Science</i> , 2021, 9, 56, 8024-8036.	1.1	8
14	Atomistic Simulation on the Mechanical Properties of Diffusion Bonded Zr-Cu Metallic Glasses with Oxidized Interfaces. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2021, 52, 1939-1946.	1.1	8
15	Construction of multiple interfaces and dielectric/magnetic heterostructures in electromagnetic wave absorbers with enhanced absorption performance: A review. <i>Journal of Materiomics</i> , 2021, 7, 1233-1263.	2.8	94
16	Anomalous layer-dependent electronic and piezoelectric properties of 2D GaInS ₃ nanosheets. <i>Applied Physics Letters</i> , 2021, 118, .	1.5	29
17	Synthesis and temperature dependent energy storage characterization of ceramics. <i>Physica Scripta</i> , 2021, 96, 095809.	1.2	5
18	The influences of lattice distortion on the antiferroelectric transition and relaxation of oxygen vacancies in high-entropy perovskites (Bi _{0.2} Na _{0.2} Ba _{0.2} K _{0.2} X _{0.2})TiO ₃ with X=Ca, Sr or La. <i>Scripta Materialia</i> , 2021, 203, 114096.	2.6	22

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19	Characterization on the glass forming ability of metallic nano-glasses by the dynamic scaling for mechanical loss in supercooled liquid state. <i>Scripta Materialia</i> , 2021, 203, 114109.	2.6	5
20	Ferroelectricity in novel one-dimensional P42-InSeI nanowires. <i>Results in Physics</i> , 2021, 31, 104960.	2.0	8
21	The effects of glass-glass interfaces on thermodynamic and mechanical properties of Co-Fe-P metallic nano-glasses. <i>Journal of Materials Research</i> , 2021, 36, 4951-4962.	1.2	6
22	Synergetic dielectric loss and magnetic loss towards superior microwave absorption through hybridization of few-layer WS ₂ nanosheets with NiO nanoparticles. <i>Science Bulletin</i> , 2020, 65, 138-146.	4.3	139
23	Advanced sodium storage properties of a porous nitrogen-doped carbon with a NiO/Cu ₂ O hetero-interface derived from bimetal-organic frameworks. <i>Chemical Communications</i> , 2020, 56, 818-821.	2.2	9
24	Multidirectional Intrinsic Piezoelectricity of 2D Metal Chalcogen-Diphosphate AB ₂ X ₆ Monolayers. <i>Physica Status Solidi - Rapid Research Letters</i> , 2020, 14, 2000321.	1.2	14
25	The effects of short-range chemical and structural ordering related to oxygen interstitials on mechanical properties of CrCoFeNi high-entropy alloys: A first-principles study. <i>Journal of Alloys and Compounds</i> , 2020, 843, 156060.	2.8	11
26	Two-Dimensional Black Phosphorus Nanomaterials: Emerging Advances in Electrochemical Energy Storage Science. <i>Nano-Micro Letters</i> , 2020, 12, 179.	14.4	82
27	Temperature-dependent energy storage characterization of Pb-free relaxor ferroelectrics. <i>Journal of Advanced Dielectrics</i> , 2020, 10, 2050009.	1.5	16
28	Nickel-metal-organic framework nanobelt based composite membranes for efficient Sr ²⁺ removal from aqueous solution. <i>Environmental Science and Ecotechnology</i> , 2020, 3, 100035.	6.7	36
29	Giant magnetocaloric effect in nanostructured Fe-Co-P amorphous alloys enabled through pulse electrodeposition. <i>Nanotechnology</i> , 2020, 31, 385704.	1.3	11
30	Ultrafine Ru nanoparticles anchored to porous g-C ₃ N ₄ as efficient catalysts for ammonia borane hydrolysis. <i>Applied Catalysis A: General</i> , 2020, 595, 117511.	2.2	60
31	Conductive WS ₂ -NS/CNTs hybrids based 3D ultra-thin mesh electromagnetic wave absorbers with excellent absorption performance. <i>Applied Surface Science</i> , 2020, 528, 147052.	3.1	116
32	InTeI: a novel wide-bandgap 2D material with desirable stability and highly anisotropic carrier mobility. <i>Nanoscale</i> , 2020, 12, 5888-5897.	2.8	39
33	Facile fabrication and capacitive performance of glucose-derived porous carbon. <i>Materials Chemistry and Physics</i> , 2020, 245, 122785.	2.0	20
34	Enhancing electromagnetic wave absorption performance of Co ₃ O ₄ nanoparticles functionalized MoS ₂ nanosheets. <i>Journal of Alloys and Compounds</i> , 2020, 829, 154531.	2.8	85
35	Customizing coaxial stacking VS ₂ nanosheets for dual-band microwave absorption with superior performance in the C- and K-bands. <i>Journal of Materials Chemistry C</i> , 2020, 8, 5923-5933.	2.7	86
36	Hierarchical porous CuNi-based bimetal-organic frameworks as efficient catalysts for ammonia borane hydrolysis. <i>Catalysis Communications</i> , 2020, 143, 106057.	1.6	8

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37	Computational prediction of a novel 1D InSeI nanochain with high stability and promising wide-bandgap properties. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 27441-27449.	1.3	17
38	Preparation and catalytic performance of tungstophosphoric acid anchored to SiO ₂ @graphene aerogel 3D porous catalysts for the synthesis of ethyl levulinate biofuel. <i>Journal of Porous Materials</i> , 2019, 26, 723-732.	1.3	3
39	Direct measurement and dynamic mechanical analysis on the coexistence of positive and negative electrocaloric effects in Bi _{0.5} Na _{0.5} TiO ₃ -xBaTiO ₃ solid solutions. <i>Ceramics International</i> , 2019, 45, 2876-2880.	2.3	10
40	Capacitive behavior of glucose-derived porous activated carbon with different morphologies. <i>Journal of Alloys and Compounds</i> , 2019, 805, 426-435.	2.8	28
41	Coexistence of positive and negative electrocaloric effects in lead free perovskite structured ferroelectrics. <i>Solid State Sciences</i> , 2019, 95, 105929.	1.5	2
42	Esterification of levulinic acid in the production of fuel additives catalyzed by porous sulfonated carbon derived from pine needle. <i>Catalysis Communications</i> , 2019, 129, 105755.	1.6	13
43	Light-weight and low-cost electromagnetic wave absorbers with high performances based on biomass-derived reduced graphene oxides. <i>Nanotechnology</i> , 2019, 30, 445708.	1.3	104
44	Collagen-graphene oxide magnetic hybrids anchoring Pd(0) catalysts for efficient H ₂ generation from ammonia borane. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 27022-27029.	3.8	28
45	The thermal-to-electrical energy conversion in (Bi _{0.5} Na _{0.5}) _{0.94} Ba _{0.06} TiO ₃ /graphene oxide heterogeneous structures. <i>Ceramics International</i> , 2019, 45, 24493-24499.	2.3	10
46	The effects of anti-ferroelectric nanofillers on the negative electrocaloric effects in Poly(vinylidene fluoride)/BaTiO ₃ nanocomposites. <i>Journal of Applied Physics</i> , 2019, 125, 154101.	1.5	10
47	The effects of additions of two-dimensional graphitic-C ₃ N ₄ on the negative electro-caloric effects in P(VDF-TrFE) copolymers. <i>RSC Advances</i> , 2019, 9, 15917-15925.	1.7	7
48	The prominent combination of ultrahigh strength and superior tensile plasticity in Cu-Zr nanoglass connected by oxide interfaces: A molecular dynamics study. <i>Journal of Alloys and Compounds</i> , 2019, 801, 318-326.	2.8	18
49	Highly effective shielding of electromagnetic waves in MoS ₂ nanosheets synthesized by a hydrothermal method. <i>Journal of Physics and Chemistry of Solids</i> , 2019, 134, 77-82.	1.9	33
50	Ab initio simulation studies on the room-temperature ferroelectricity in two-dimensional <i>ab</i> -phase GeS. <i>Applied Physics Letters</i> , 2019, 114, .	1.5	72
51	Highly effective photocatalytic performance of {001}-TiO ₂ /MoS ₂ /RGO hybrid heterostructures for the reduction of Rh B. <i>RSC Advances</i> , 2019, 9, 15033-15041.	1.7	10
52	Lightweight and High-Performance Microwave Absorber Based on 2D WS ₂ /RGO Heterostructures. <i>Nano-Micro Letters</i> , 2019, 11, 38.	14.4	176
53	Bond-breaking analyses on the characteristics of flow defects in metallic glasses under plastic deformation. <i>Journal of Alloys and Compounds</i> , 2019, 799, 450-461.	2.8	9
54	Giant electrical energy storage density in the P(VDF-TrFE)/graphene oxide composite papers with quasi-two-dimensional ferroelectricity. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 7725-7732.	1.1	4

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55	Controllable synthesis and characterization of tungsten disulfide nanosheets as promising nanomaterials for electronic devices. <i>Ceramics International</i> , 2019, 45, 12443-12448.	2.3	19
56	Efficient Synthesis of Ethyl Levulinate Fuel Additives from Levulinic Acid Catalyzed by Sulfonated Pine Needle-Derived Carbon. <i>Catalysis Surveys From Asia</i> , 2019, 23, 171-180.	1.0	18
57	One-pot self-assembly of 3D CdS-graphene aerogels with superior adsorption capacity and photocatalytic activity for water purification. <i>Powder Technology</i> , 2019, 345, 213-222.	2.1	39
58	3D CuO@nitrogen-graphene aerogel hybrids as anodes for lithium-ion batteries: Gas-liquid interfacial assembly and superior electrochemical performance. <i>Journal of Alloys and Compounds</i> , 2019, 784, 915-922.	2.8	8
59	Oxidation behavior of a Ti _{16.7} Zr _{16.7} Hf _{16.7} Cu _{16.7} Ni _{16.7} Be _{16.7} high-entropy bulk metallic glass. <i>Materials Letters</i> , 2019, 236, 135-138.	1.3	9
60	Magnetic-field-induced dielectric behaviors and magneto-electrical coupling of multiferroic compounds containing cobalt ferrite/barium calcium titanate composite fibers. <i>Journal of Alloys and Compounds</i> , 2018, 740, 1067-1076.	2.8	45
61	Three-dimensional Fe ₂ O ₃ @TiO ₂ -graphene aerogel nanocomposites with enhanced adsorption and visible light-driven photocatalytic performance in the removal of RhB dyes. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 61, 407-415.	2.9	67
62	High-performance supercapacitors based on porous activated carbons from cattail wool. <i>Journal of Materials Science</i> , 2018, 53, 9191-9205.	1.7	23
63	Three-dimensional porous activated carbon derived from loofah sponge biomass for supercapacitor applications. <i>Applied Surface Science</i> , 2018, 436, 327-336.	3.1	257
64	High-efficiency removal of rhodamine B dye in water using g-C ₃ N ₄ and TiO ₂ co-hybridized 3D graphene aerogel composites. <i>Separation and Purification Technology</i> , 2018, 194, 96-103.	3.9	66
65	Self-assembly of 2D-metal-organic framework/graphene oxide membranes as highly efficient adsorbents for the removal of Cs ⁺ from aqueous solutions. <i>RSC Advances</i> , 2018, 8, 40813-40822.	1.7	48
66	Editable asymmetric all-solid-state supercapacitors based on high-strength, flexible, and programmable 2D-metal-organic framework/reduced graphene oxide self-assembled papers. <i>Journal of Materials Chemistry A</i> , 2018, 6, 20254-20266.	5.2	110
67	High-performance microwave absorption materials based on MoS ₂ -graphene isomorphic hetero-structures. <i>Journal of Alloys and Compounds</i> , 2018, 758, 62-71.	2.8	77
68	New monolayer ternary In-containing sesquichalcogenides BiInSe ₃ , SbInSe ₃ , BiInTe ₃ , and SbInTe ₃ with high stability and extraordinary piezoelectric properties. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 19177-19187.	1.3	38
69	Highly efficient microwave absorption properties and broadened absorption bandwidth of MoS ₂ -iron oxide hybrids and MoS ₂ -based reduced graphene oxide hybrids with Hetero-structures. <i>Applied Surface Science</i> , 2018, 462, 872-882.	3.1	90
70	Novel assembly of homogeneous reduced graphene oxide-doped mesoporous TiO ₂ hybrids for elimination of Rhodamine-B dye under visible light irradiation. <i>Journal of Alloys and Compounds</i> , 2017, 698, 819-827.	2.8	49
71	Effective nondestructive evaluations on UHMWPE/Recycled-PA6 blends using FTIR imaging and dynamic mechanical analysis. <i>Polymer Testing</i> , 2017, 59, 371-376.	2.3	36
72	Facile synthesis of 3D nitrogen-doped graphene aerogel nanomeshes with hierarchical porous structures for applications in high-performance supercapacitors. <i>New Journal of Chemistry</i> , 2017, 41, 5291-5296.	1.4	14

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73	Controllable synthesis and growth mechanism of lead free bismuth sodium titanate nanowires. <i>Ceramics International</i> , 2017, 43, 11580-11587.	2.3	14
74	Gas-liquid interfacial assembly and electrochemical properties of 3D highly dispersed Fe_2O_3 @graphene aerogel composites with a hierarchical structure for applications in anodes of lithium ion batteries. <i>Electrochimica Acta</i> , 2017, 224, 40-48.	2.6	42
75	Giant Piezoelectric Effects in Monolayer Group-V Binary Compounds with Honeycomb Phases: A First-Principles Prediction. <i>Journal of Physical Chemistry C</i> , 2017, 121, 25576-25584.	1.5	78
76	Enhanced piezoelectricity of monolayer phosphorene oxides: a theoretical study. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 27508-27515.	1.3	27
77	Exceptionally High Negative Electro-Caloric Effects of Poly(VDF-co-TrFE) Based Nanocomposites Tuned by the Geometries of Barium Titanate Nanofillers. <i>Polymers</i> , 2017, 9, 315.	2.0	13
78	Investigations on the Mechanical Deformation of Amorphous Alloy Nanowires Using Phase-Field Modeling and Thermodynamics Avalanche Models. <i>Minerals, Metals and Materials Series</i> , 2017, , 435-442.	0.3	0
79	Enhanced Thermal Performance and Impact Strength of UHMWPE/Recycled-PA6 Blends Synthesized via a Melting Extrusion Route. <i>Advances in Materials Science and Engineering</i> , 2016, 2016, 1-5.	1.0	3
80	Synthesis and Electro-Magneto-Mechanical Properties of Graphene Aerogels Functionalized with Co-Fe-P Amorphous Alloys. <i>Micromachines</i> , 2016, 7, 117.	1.4	5
81	Structural and ferroelectric properties of textured KNN thick films prepared by sol-gel methods. <i>Integrated Ferroelectrics</i> , 2016, 176, 171-178.	0.3	9
82	Scalable Piezoelectricity in Graphene Oxide Papers Tuned by Hydrogen Bonds. <i>Advanced Electronic Materials</i> , 2016, 2, 1600224.	2.6	14
83	Novel assembly and electrochemical properties of anatase TiO_2 -graphene aerogel 3D hybrids as lithium-ion battery anodes. <i>Chemical Physics Letters</i> , 2016, 662, 214-220.	1.2	14
84	Facile assembly and electrochemical properties of Fe_2O_3 @graphene aerogel composites as electrode materials for lithium ion batteries. <i>Materials Chemistry and Physics</i> , 2016, 182, 190-199.	2.0	23
85	Mechanisms of polarization switching in graphene oxides and poly(vinylidene fluoride)-graphene oxide films. <i>Japanese Journal of Applied Physics</i> , 2016, 55, 04EP04.	0.8	5
86	Synergetic adsorption and photocatalytic degradation of pollutants over 3D TiO_2 -graphene aerogel composites synthesized via a facile one-pot route. <i>Photochemical and Photobiological Sciences</i> , 2016, 15, 1012-1019.	1.6	47
87	Tensile strains give rise to strong size effects for thermal conductivities of silicene, germanene and stanene. <i>Nanoscale</i> , 2016, 8, 3760-3767.	2.8	136
88	MCM-41 immobilized 12-silicotungstic acid mesoporous materials: Structural and catalytic properties for esterification of levulinic acid and oleic acid. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 61, 147-155.	2.7	45
89	Hydrothermal preparation and characterization of sheet-like $(\text{KNa})\text{NbO}_3$ perovskites. <i>Ceramics International</i> , 2016, 42, 9073-9078.	2.3	14
90	Structural and electrocaloric properties of multiferroic-BiFeO ₃ doped 0.94Bi _{0.5} Na _{0.5} TiO ₃ -0.06BaTiO ₃ solid solutions. <i>Journal of Alloys and Compounds</i> , 2016, 663, 249-255.	2.8	33

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91	Mechanical and electro-mechanical properties of three-dimensional nanoporous graphene-poly(vinylidene fluoride) composites. EXPRESS Polymer Letters, 2016, 10, 730-741.	1.1	13
92	High-Performance Supercapacitor Applications of NiO-Nanoparticle-Decorated Millimeter-Long Vertically Aligned Carbon Nanotube Arrays via an Effective Supercritical CO ₂ -Assisted Method. Advanced Functional Materials, 2015, 25, 7381-7391.	7.8	90
93	Formation of piezoelectric β -phase crystallites in poly(vinylidene fluoride)-graphene oxide nanocomposites under uniaxial tensions. Journal Physics D: Applied Physics, 2015, 48, 245303.	1.3	21
94	Atomistic approach to predict the glass-forming ability in Zr-Cu-Al ternary metallic glasses. Journal of Alloys and Compounds, 2015, 627, 48-53.	2.8	27
95	Mesoporous solid acid catalysts of 12-tungstosilicic acid anchored to SBA-15: Characterization and catalytic properties for esterification of oleic acid with methanol. Journal of the Taiwan Institute of Chemical Engineers, 2015, 51, 186-192.	2.7	37
96	The enhanced electrocaloric effect in P(VDF-TrFE) copolymer with barium strontium titanate nano-fillers synthesized via an effective hydrothermal method. RSC Advances, 2015, 5, 61946-61954.	1.7	21
97	Modified hydrothermal synthesis and structural characterization of monoclinic (K _{0.05} Na _{0.15})NbO ₃ (0.05x0.15) rods. Ceramics International, 2015, 41, 8837-8842.	2.3	5
98	Nitrogen-doped graphene aerogels as anode materials for lithium-ion battery: Assembly and electrochemical properties. Materials Letters, 2015, 160, 392-396.	1.3	36
99	Preparation and Transport Performances of High-Density, Aligned Carbon Nanotube Membranes. Nanoscale Research Letters, 2015, 10, 970.	3.1	24
100	Anelastic analyses on the relaxation of anti-ferroelectric states in 0.94Bi _{0.5} Na _{0.5} TiO ₃ -0.06BaTiO ₃ solid solutions under electric fields. Journal of Electroceramics, 2015, 34, 38-42.	0.8	9
101	Simulation of Plastic Deformation Behaviors of Bulk Metallic Glasses with Micro- and Nano-sized Pores. Advanced Structured Materials, 2015, , 231-242.	0.3	0
102	Elastic softening near the phase transitions in (1-x)Bi _{1/2} Na _{1/2} TiO ₃ solutions. Materials Research Express, 2014, 1, 046102.	0.8	9
103	Enhanced ferroelectric and pyroelectric properties of poly(vinylidene fluoride) with addition of graphene oxides. Journal of Applied Physics, 2014, 115, .	1.1	28
104	Gas transport in vertically-aligned carbon nanotube/parylene composite membranes. Carbon, 2014, 66, 11-17.	5.4	35
105	Comparative study on the structural and catalytic properties of mesoporous hexagonal silica anchored with H ₃ PW ₁₂ O ₄₀ : Green synthesis of benzoic acid from benzaldehyde. Advanced Powder Technology, 2014, 25, 1351-1356.	2.0	18
106	Temperature-dependent gas transport performance of vertically aligned carbon nanotube/parylene composite membranes. Nanoscale Research Letters, 2014, 9, 448.	3.1	17
107	Assembling of Al-MCM-48 supported H ₃ PW ₁₂ O ₄₀ mesoporous materials and their catalytic performances in the green synthesis of benzoic acid. Materials Research Bulletin, 2014, 60, 20-27.	2.7	7
108	Scaling for the refrigeration effects in lead-free barium titanate based ferroelectric ceramics. Journal of Electroceramics, 2014, 32, 169-174.	0.8	9

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109	Simulation of shear banding in bulk metallic glass composites containing dendrite phases. <i>Journal of Alloys and Compounds</i> , 2014, 586, S262-S266.	2.8	12
110	Three-dimensional phase-field simulation on the deformation of metallic glass nanowires. <i>Journal of Alloys and Compounds</i> , 2014, 615, S102-S107.	2.8	1
111	Strengthening of Graphene Aerogels with Tunable Density and High Adsorption Capacity towards Pb ²⁺ . <i>Scientific Reports</i> , 2014, 4, 5025.	1.6	61
112	Microwave-assisted simultaneous reduction and titanate treatment of graphene oxide. <i>Journal of Materials Chemistry A</i> , 2013, 1, 11451.	5.2	38
113	Unification of the negative electrocaloric effect in Bi _{1/2} Na _{1/2} TiO ₃ -BaTiO ₃ solid solutions by Ba _{1/2} Sr _{1/2} TiO ₃ doping. <i>Journal of Applied Physics</i> , 2013, 114, .	1.1	54
114	Thermal and dynamic mechanical analyses on Bi _{0.5} Na _{0.5} TiO ₃ ∕BaTiO ₃ ceramics synthesized with citrate method. <i>Ceramics International</i> , 2013, 39, 1233-1240.	2.3	27
115	Strength scaling law, deformation kinetics and mechanisms of nanostructured Ti. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013, 573, 141-147.	2.6	18
116	Ferroelectric-to-Ferroelectric Phase Transition Induced Electro-Caloric Energy Conversion in Barium Titanate at Room Temperature. <i>Key Engineering Materials</i> , 2012, 519, 10-13.	0.4	1
117	Preparation of 0.90Bi _{0.5} Na _{0.5} TiO ₃ -0.10BaTiO ₃ Ferroelectric Thin Film and its Application in Pyroelectric Energy Harvesting. <i>Advanced Materials Research</i> , 2012, 485, 23-26.	0.3	1
118	The electrocaloric effect around the orthorhombic- tetragonal first-order phase transition in BaTiO ₃ . <i>AIP Advances</i> , 2012, 2, .	0.6	57
119	Thermo-electrical energy conversions in Bi _{0.5} Na _{0.5} TiO ₃ ∕BaTiO ₃ thin films prepared by sol-gel method. <i>Thin Solid Films</i> , 2012, 522, 125-128.	0.8	41
120	A Density Functional Theory Study on the Deformation Behaviors of Fe-Si-B Metallic Glasses. <i>International Journal of Molecular Sciences</i> , 2012, 13, 10401-10409.	1.8	9
121	Entropy∕exchange measurement of electrocaloric effect of BaTiO ₃ single crystal. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2012, 209, 941-944.	0.8	87
122	Electro-caloric behaviors of lead-free Bi _{0.5} Na _{0.5} TiO ₃ -BaTiO ₃ ceramics. <i>Journal of Electroceramics</i> , 2012, 28, 20-26.	0.8	58
123	Application of phase-field modeling to deformation of metallic glasses. <i>Current Opinion in Solid State and Materials Science</i> , 2011, 15, 116-124.	5.6	5
124	Simulation of shear banding and crack propagation in bulk metallic glass matrix composites. <i>Journal of Alloys and Compounds</i> , 2011, 509, S136-S140.	2.8	11
125	The giant electrocaloric effect and high effective cooling power near room temperature for BaTiO ₃ thick film. <i>Journal of Applied Physics</i> , 2011, 110, .	1.1	147
126	Abnormal electrocaloric effect of Na _{0.5} Bi _{0.5} TiO ₃ ∕BaTiO ₃ lead-free ferroelectric ceramics above room temperature. <i>Materials Research Bulletin</i> , 2011, 46, 1866-1869.	2.7	249

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127	Atomic packing symmetry in the metallic liquid and glass states. <i>Acta Materialia</i> , 2011, 59, 6480-6488.	3.8	44
128	Mechanical Properties and Crystallization Behaviors of Microstructured Co-Fe-P Amorphous Alloys. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2011, 42, 211-218.	1.1	8
129	Simulation of crack propagation in fiber-reinforced bulk metallic glasses. <i>International Journal of Solids and Structures</i> , 2010, 47, 320-329.	1.3	19
130	Molecular dynamics and first-principles studies on the deformation mechanisms of nanostructured cobalt. <i>Journal of Alloys and Compounds</i> , 2010, 504, S467-S471.	2.8	18
131	Multi-scale modeling of shear banding in iron-based metallic glasses. <i>Journal of Alloys and Compounds</i> , 2010, 504, S56-S59.	2.8	2
132	Direct measurement of giant electrocaloric effect in BaTiO ₃ multilayer thick film structure beyond theoretical prediction. <i>Applied Physics Letters</i> , 2010, 96, .	1.5	158
133	Kinetic electrocaloric effect and giant net cooling of lead-free ferroelectric refrigerants. <i>Journal of Applied Physics</i> , 2010, 108, .	1.1	46
134	Magneto-mechanical coupling behavior of defective single-walled carbon nanotubes. <i>Nanotechnology</i> , 2008, 19, 325701.	1.3	5
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