Guang-Ping Zheng

List of Publications by Year
in descending order

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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	Three-dimensional porous activated carbon derived from loofah sponge biomass for supercapacitor applications. Applied Surface Science, 2018, 436, 327-336.	3.1	257
2	Abnormal electrocaloric effect of Na0.5Bi0.5TiO3â€“BaTiO3 lead-free ferroelectric ceramics above room temperature. Materials Research Bulletin, 2011, 46, 1866-1869.	2.7	249
3	Emerging Materials and Designs for Lowâ€•and Multiâ€Band Electromagnetic Wave Absorbers: The Search for Dielectric and Magnetic Synergy?. Advanced Functional Materials, 2022, 32, .	7.8	185
4	Lightweight and High-Performance Microwave Absorber Based on 2D WS2â€“RGO Heterostructures. Nano-Micro Letters, 2019, 11, 38.	14.4	176
5	Recent Advances in Design Strategies and Multifunctionality of Flexible Electromagnetic Interference Shielding Materials. Nano-Micro Letters, 2022, 14, 80.	14.4	159
6	Direct measurement of giant electrocaloric effect in BaTiO3 multilayer thick film structure beyond theoretical prediction. Applied Physics Letters, 2010, 96, .	1.5	158
7	The giant electrocaloric effect and high effective cooling power near room temperature for BaTiO3 thick film. Journal of Applied Physics, 2011, 110, .	1.1	147
8	Initiating VBâ€Group Laminated NbS₂ Electromagnetic Wave Absorber toward Superior Absorption Bandwidth as Large as 6.48ÂGHz through Phase Engineering Modulation. Advanced Functional Materials, 2022, 32, 2108194.	7.8	147
9	Synergetic dielectric loss and magnetic loss towards superior microwave absorption through hybridization of few-layer WS2 nanosheets with NiO nanoparticles. Science Bulletin, 2020, 65, 138-146.	4.3	139
10	Tensile strains give rise to strong size effects for thermal conductivities of silicene, germanene and stanene. Nanoscale, 2016, 8, 3760-3767.	2.8	136
11	Tailoring Selfâ€Polarization of Bimetallic Organic Frameworks with Multiple Polar Units Toward Highâ€Performance Consecutive Multiâ€Band Electromagnetic Wave Absorption at Gigahertz. Advanced Functional Materials, 2022, 32, .	7.8	135
12	High-performance microwave absorption enabled by Co3O4 modified VB-group laminated VS2 with frequency modulation from S-band to Ku-band. Journal of Materials Science and Technology, 2022, 107, 155-164.	5.6	133
13	Conductive WS2-NS/CNTs hybrids based 3D ultra-thin mesh electromagnetic wave absorbers with excellent absorption performance. Applied Surface Science, 2020, 528, 147052.	3.1	116
14	Editable asymmetric all-solid-state supercapacitors based on high-strength, flexible, and programmable 2D-metalâ€“organic framework/reduced graphene oxide self-assembled papers. Journal of Materials Chemistry A, 2018, 6, 20254-20266.	5.2	110
15	Light-weight and low-cost electromagnetic wave absorbers with high performances based on biomass-derived reduced graphene oxides. Nanotechnology, 2019, 30, 445708.	1.3	104
16	Construction of multiple interfaces and dielectric/magnetic heterostructures in electromagnetic wave absorbers with enhanced absorption performance: A review. Journal of Materiomics, 2021, 7, 1233-1263.	2.8	94
17	Highâ€Performance Supercapacitor Applications of NiOâ€Nanoparticleâ€Decorated Millimeterâ€Long Vertically Aligned Carbon Nanotube Arrays via an Effective Supercritical CO₂â€Assisted Method. Advanced Functional Materials, 2015, 25, 7381-7391.	7.8	90
18	Highly efficient microwave absorption properties and broadened absorption bandwidth of MoS2-iron oxide hybrids and MoS2-based reduced graphene oxide hybrids with Hetero-structures. Applied Surface Science, 2018, 462, 872-882.	3.1	90

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19	Entropyâ€change measurement of electrocaloric effect of BaTiO₃ single crystal. Physica Status Solidi (A) Applications and Materials Science, 2012, 209, 941-944.	0.8	87
20	Customizing coaxial stacking VS₂ nanosheets for dual-band microwave absorption with superior performance in the C- and K_u-bands. Journal of Materials Chemistry C, 2020, 8, 5923-5933.	2.7	86
21	Enhancing electromagnetic wave absorption performance of Co3O4 nanoparticles functionalized MoS2 nanosheets. Journal of Alloys and Compounds, 2020, 829, 154531.	2.8	85
22	Two-Dimensional Black Phosphorus Nanomaterials: Emerging Advances in Electrochemical Energy Storage Science. Nano-Micro Letters, 2020, 12, 179.	14.4	82
23	Atomistic simulation studies on deformation mechanism of nanocrystalline cobalt. Acta Materialia, 2005, 53, 3893-3901.	3.8	79
24	Giant Piezoelectric Effects in Monolayer Group-V Binary Compounds with Honeycomb Phases: A First-Principles Prediction. Journal of Physical Chemistry C, 2017, 121, 25576-25584.	1.5	78
25	High-performance microwave absorption materials based on MoS 2 -graphene isomorphic hetero-structures. Journal of Alloys and Compounds, 2018, 758, 62-71.	2.8	77
26	Biomass-derived carbon-coated WS2 core-shell nanostructures with excellent electromagnetic absorption in C-band. Applied Surface Science, 2022, 577, 151939.	3.1	75
27	Ab initio simulation studies on the room-temperature ferroelectricity in two-dimensional Î² -phase GeS. Applied Physics Letters, 2019, 114, .	1.5	72
28	Three-dimensional Fe2O3â€“TiO2â€“graphene aerogel nanocomposites with enhanced adsorption and visible light-driven photocatalytic performance in the removal of RhB dyes. Journal of Industrial and Engineering Chemistry, 2018, 61, 407-415.	2.9	67
29	High-efficiency removal of rhodamine B dye in water using g-C3N4 and TiO2 co-hybridized 3D graphene aerogel composites. Separation and Purification Technology, 2018, 194, 96-103.	3.9	66
30	Interactions between transition metals and defective carbon nanotubes. Computational Materials Science, 2008, 43, 823-828.	1.4	64
31	Strengthening of Graphene Aerogels with Tunable Density and High Adsorption Capacity towards Pb2+. Scientific Reports, 2014, 4, 5025.	1.6	61
32	Ultrafine Ru nanoparticles anchored to porous g-C3N4 as efficient catalysts for ammonia borane hydrolysis. Applied Catalysis A: General, 2020, 595, 117511.	2.2	60
33	Electro-caloric behaviors of lead-free Bi0.5Na0.5TiO3-BaTiO3 ceramics. Journal of Electroceramics, 2012, 28, 20-26.	0.8	58
34	The electrocaloric effect around the orthorhombic- tetragonal first-order phase transition in BaTiO3. AIP Advances, 2012, 2, .	0.6	57
35	Unification of the negative electrocaloric effect in Bi1/2Na1/2TiO3-BaTiO3 solid solutions by Ba1/2Sr1/2TiO3 doping. Journal of Applied Physics, 2013, 114, .	1.1	54
36	Engineering flexible and green electromagnetic interference shielding materials with high performance through modulating WS2 nanosheets on carbon fibers. Journal of Materiomics, 2022, 8, 327-334.	2.8	50

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37	Novel assembly of homogeneous reduced graphene oxide-doped mesoporous TiO 2 hybrids for elimination of Rhodamine-B dye under visible light irradiation. Journal of Alloys and Compounds, 2017, 698, 819-827.	2.8	49
38	Self-assembly of 2D-metalâ€“organic framework/graphene oxide membranes as highly efficient adsorbents for the removal of Cs⁺ from aqueous solutions. RSC Advances, 2018, 8, 40813-40822.	1.7	48
39	Synergetic adsorption and photocatalytic degradation of pollutants over 3D TiO2â€”graphene aerogel composites synthesized via a facile one-pot route. Photochemical and Photobiological Sciences, 2016, 15, 1012-1019.	1.6	47
40	Kinetic electrocaloric effect and giant net cooling of lead-free ferroelectric refrigerants. Journal of Applied Physics, 2010, 108, .	1.1	46
41	MCM-41 immobilized 12-silicotungstic acid mesoporous materials: Structural and catalytic properties for esterification of levulinic acid and oleic acid. Journal of the Taiwan Institute of Chemical Engineers, 2016, 61, 147-155.	2.7	45
42	Magnetic-field-induced dielectric behaviors and magneto-electrical coupling of multiferroic compounds containing cobalt ferrite/barium calcium titanate composite fibers. Journal of Alloys and Compounds, 2018, 740, 1067-1076.	2.8	45
43	Atomic packing symmetry in the metallic liquid and glass states. Acta Materialia, 2011, 59, 6480-6488.	3.8	44
44	Gas-liquid interfacial assembly and electrochemical properties of 3D highly dispersed Î±-Fe2O3@graphene aerogel composites with a hierarchical structure for applications in anodes of lithium ion batteries. Electrochimica Acta, 2017, 224, 40-48.	2.6	42
45	Thermo-electrical energy conversions in Bi0.5Na0.5TiO3â€“BaTiO3 thin films prepared by solâ€“gel method. Thin Solid Films, 2012, 522, 125-128.	0.8	41
46	One-pot self-assembly of 3D CdS-graphene aerogels with superior adsorption capacity and photocatalytic activity for water purification. Powder Technology, 2019, 345, 213-222.	2.1	39
47	InTeI: a novel wide-bandgap 2D material with desirable stability and highly anisotropic carrier mobility. Nanoscale, 2020, 12, 5888-5897.	2.8	39
48	High energy storage density and efficiency in nanostructured (Bi_{0.2}Na_{0.2}K_{0.2}La_{0.2}Sr_{0.2})TiO₃ highâ€entropy ceramics. Journal of the American Ceramic Society, 2022, 105, 1083-1094.	1.9	39
49	Microwave-assisted simultaneous reduction and titanate treatment of graphene oxide. Journal of Materials Chemistry A, 2013, 1, 11451.	5.2	38
50	New monolayer ternary In-containing sesquichalcogenides BiInSe₃, SbInSe₃, BiInTe₃, and SbInTe₃ with high stability and extraordinary piezoelectric properties. Physical Chemistry Chemical Physics, 2018, 20, 19177-19187.	1.3	38
51	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
52	Nitrogen-doped graphene aerogels as anode materials for lithium-ion battery: Assembly and electrochemical properties. Materials Letters, 2015, 160, 392-396.	1.3	36
53	Effective nondestructive evaluations on UHMWPE/Recycled-PA6 blends using FTIR imaging and dynamic mechanical analysis. Polymer Testing, 2017, 59, 371-376.	2.3	36
54	Nickel-metal-organic framework nanobelt based composite membranes for efficient Sr2+ removal from aqueous solution. Environmental Science and Ecotechnology, 2020, 3, 100035.	6.7	36

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55	Gas transport in vertically-aligned carbon nanotube/parylene composite membranes. Carbon, 2014, 66, 11-17.	5.4	35
56	Structural and electrocaloric properties of multiferroic-BiFeO3 doped 0.94Bi0.5Na0.5TiO3-0.06BaTiO3 solid solutions. Journal of Alloys and Compounds, 2016, 663, 249-255.	2.8	33
57	Highly effective shielding of electromagnetic waves in MoS2 nanosheets synthesized by a hydrothermal method. Journal of Physics and Chemistry of Solids, 2019, 134, 77-82.	1.9	33
58	Micromagnetic modeling studies on the effects of stress on magnetization reversal and dynamic hysteresis. Journal of Magnetism and Magnetic Materials, 2006, 301, 458-468.	1.0	30
59	Anomalous layer-dependent electronic and piezoelectric properties of 2D GaInS3 nanosheets. Applied Physics Letters, 2021, 118, .	1.5	29
60	Triple-Crystal Zinc Selenide Nanobelts. Journal of Physical Chemistry C, 2007, 111, 9055-9059.	1.5	28
61	Enhanced ferroelectric and pyroelectric properties of poly(vinylidene fluoride) with addition of graphene oxides. Journal of Applied Physics, 2014, 115, .	1.1	28
62	Capacitive behavior of glucose-derived porous activated carbon with different morphologies. Journal of Alloys and Compounds, 2019, 805, 426-435.	2.8	28
63	Collagen-graphene oxide magnetic hybrids anchoring Pd(0) catalysts for efficient H2 generation from ammonia borane. International Journal of Hydrogen Energy, 2019, 44, 27022-27029.	3.8	28
64	Thermal and dynamic mechanical analyses on Bi0.5Na0.5TiO3â€“BaTiO3 ceramics synthesized with citrate method. Ceramics International, 2013, 39, 1233-1240.	2.3	27
65	Atomistic approach to predict the glass-forming ability in Zrâ€“Cuâ€“Al ternary metallic glasses. Journal of Alloys and Compounds, 2015, 627, 48-53.	2.8	27
66	Enhanced piezoelectricity of monolayer phosphorene oxides: a theoretical study. Physical Chemistry Chemical Physics, 2017, 19, 27508-27515.	1.3	27
67	Thermal hysteresis scaling for first-order phase transitions. Journal of Physics Condensed Matter, 1998, 10, 275-284.	0.7	26
68	Preparation and Transport Performances of High-Density, Aligned Carbon Nanotube Membranes. Nanoscale Research Letters, 2015, 10, 970.	3.1	24
69	Achieving superior GHz-absorption performance in VB-group laminated VS2 microwave absorber with dielectric and magnetic synergy effects. Advanced Composites and Hybrid Materials, 2022, 5, 2317-2327.	9.9	24
70	Facile assembly and electrochemical properties of Î± -Fe 2 O 3 @graphene aerogel composites as electrode materials for lithium ion batteries. Materials Chemistry and Physics, 2016, 182, 190-199.	2.0	23
71	High-performance supercapacitors based on porous activated carbons from cattail wool. Journal of Materials Science, 2018, 53, 9191-9205.	1.7	23
72	Crystal instability in nanocrystalline materials. Acta Materialia, 2007, 55, 5464-5472.	3.8	22

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73	The influences of lattice distortion on the antiferroelectric transition and relaxation of oxygen vacancies in high-entropy perovskites (Bi0.2Na0.2Ba0.2K0.2X0.2)TiO3 with X=Ca, Sr or La. Scripta Materialia, 2021, 203, 114096.	2.6	22
74	Formation of piezoelectricÎ²-phase crystallites in poly(vinylidene fluoride)-graphene oxide nanocomposites under uniaxial tensions. Journal Physics D: Applied Physics, 2015, 48, 245303.	1.3	21
75	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
76	Influence of impurities on dynamic hysteresis of magnetization reversal. Physical Review B, 2002, 66, .	1.1	20
77	Facile fabrication and capacitive performance of glucose-derived porous carbon. Materials Chemistry and Physics, 2020, 245, 122785.	2.0	20
78	Simulation of crack propagation in fiber-reinforced bulk metallic glasses. International Journal of Solids and Structures, 2010, 47, 320-329.	1.3	19
79	Controllable synthesis and characterization of tungsten disulfide nanosheets as promising nanomaterials for electronic devices. Ceramics International, 2019, 45, 12443-12448.	2.3	19
80	Molecular dynamics and first-principles studies on the deformation mechanisms of nanostructured cobalt. Journal of Alloys and Compounds, 2010, 504, S467-S471.	2.8	18
81	Strength scaling law, deformation kinetics and mechanisms of nanostructured Ti. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2013, 573, 141-147.	2.6	18
82	Comparative study on the structural and catalytic properties of mesoporous hexagonal silica anchored with H3PW12O40: Green synthesis of benzoic acid from benzaldehyde. Advanced Powder Technology, 2014, 25, 1351-1356.	2.0	18
83	The prominent combination of ultrahigh strength and superior tensile plasticity in Cuâ€“Zr nanoglass connected by oxide interfaces: A molecular dynamics study. Journal of Alloys and Compounds, 2019, 801, 318-326.	2.8	18
84	Efficient Synthesis of Ethyl Levulinate Fuel Additives from Levulinic Acid Catalyzed by Sulfonated Pine Needle-Derived Carbon. Catalysis Surveys From Asia, 2019, 23, 171-180.	1.0	18
85	Temperature-dependent gas transport performance of vertically aligned carbon nanotube/parylene composite membranes. Nanoscale Research Letters, 2014, 9, 448.	3.1	17
86	Computational prediction of a novel 1D InSeI nanochain with high stability and promising wide-bandgap properties. Physical Chemistry Chemical Physics, 2020, 22, 27441-27449.	1.3	17
87	Temperature-dependent energy storage characterization of Pb-free relaxor ferroelectrics. Journal of Advanced Dielectrics, 2020, 10, 2050009.	1.5	16
88	Hysteresis scaling of the field-driven first-order phase transition in the Ising model. Journal of Physics Condensed Matter, 1998, 10, 1863-1871.	0.7	15
89	Short-time dynamics of an Ising system on fractal structures. Physical Review E, 2000, 62, 6253-6259.	0.8	15
90	Grain-size effect on plastic flow in nanocrystalline cobalt by atomistic simulation. Acta Materialia, 2007, 55, 149-159.	3.8	15

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91	Janus 2D titanium nitride halide TiNX_{0.5}Y_{0.5} (X, Y = F, Cl, or Br, and X â‰ Y) monolayers with giant out-of-plane piezoelectricity and high carrier mobility. Physical Chemistry Chemical Physics, 2021, 23, 3637-3645.	1.3	15
92	Scalable Piezoelectricity in Graphene Oxide Papers Tuned by Hydrogen Bonds. Advanced Electronic Materials, 2016, 2, 1600224.	2.6	14
93	Novel assembly and electrochemical properties of anatase TiO2-graphene aerogel 3D hybrids as lithium-ion battery anodes. Chemical Physics Letters, 2016, 662, 214-220.	1.2	14
94	Hydrothermal preparation and characterization of sheet-like (K Na1â^')NbO3 perovskites. Ceramics International, 2016, 42, 9073-9078.	2.3	14
95	Facile synthesis of 3D nitrogen-doped graphene aerogel nanomeshes with hierarchical porous structures for applications in high-performance supercapacitors. New Journal of Chemistry, 2017, 41, 5291-5296.	1.4	14
96	Controllable synthesis and growth mechanism of lead free bismuth sodium titanate nanowires. Ceramics International, 2017, 43, 11580-11587.	2.3	14
97	Multidirectional Intrinsic Piezoelectricity of 2D Metal Chalcogenâ€“Diphosphate ABP 2 X 6 Monolayers. Physica Status Solidi - Rapid Research Letters, 2020, 14, 2000321.	1.2	14
98	Exceptionally High Negative Electro-Caloric Effects of Poly(VDFâ€“coâ€“TrFE) Based Nanocomposites Tuned by the Geometries of Barium Titanate Nanofillers. Polymers, 2017, 9, 315.	2.0	13
99	Esterification of levulinic acid in the production of fuel additives catalyzed by porous sulfonated carbon derived from pine needle. Catalysis Communications, 2019, 129, 105755.	1.6	13
100	Mechanical and electro-mechanical properties of three-dimensional nanoporous graphene-poly(vinylidene fluoride) composites. EXPRESS Polymer Letters, 2016, 10, 730-741.	1.1	13
101	Determination of dynamical critical exponents from hysteresis scaling. Physical Review E, 1998, 58, R1187-R1190.	0.8	12
102	Simulation of shear banding in bulk metallic glass composites containing dendrite phases. Journal of Alloys and Compounds, 2014, 586, S262-S266.	2.8	12
103	Simulation of shear banding and crack propagation in bulk metallic glass matrix composites. Journal of Alloys and Compounds, 2011, 509, S136-S140.	2.8	11
104	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. Journal of Alloys and Compounds, 2020, 843, 156060.	2.8	11
105	Giant magnetocaloric effect in nanostructured Fe-Co-P amorphous alloys enabled through pulse electrodeposition. Nanotechnology, 2020, 31, 385704.	1.3	11
106	The Microstructural, Mechanical and Electro-Mechanical Properties of Graphene Aerogel-PVDF Nanoporous Composites. Journal of Nano Research, 0, 29, 1-6.	0.8	10
107	Direct measurement and dynamic mechanical analysis on the coexistence of positive and negative electrocaloric effects in Bi0.5Na0.5TiO3-xBaTiO3 solid solutions. Ceramics International, 2019, 45, 2876-2880.	2.3	10
108	The thermal-to-electrical energy conversion in (Bi0.5Na0.5)0.94Ba0.06TiO3/graphene oxide heterogeneous structures. Ceramics International, 2019, 45, 24493-24499.	2.3	10

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109	Highly effective photocatalytic performance of {001}-TiO₂/MoS₂/RGO hybrid heterostructures for the reduction of Rh B. RSC Advances, 2019, 9, 15033-15041.	1.7	10
110	Effect of disorder on critical short-time dynamics. Physical Review E, 2002, 65, 036130.	0.8	9
111	A Density Functional Theory Study on the Deformation Behaviors of Fe-Si-B Metallic Glasses. International Journal of Molecular Sciences, 2012, 13, 10401-10409.	1.8	9
112	Elastic softening near the phase transitions in (1) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 Td (â^'x)Bi_{1/2}Na<sub>1 solutions. Materials Research Express, 2014, 1, 046102.	0.8	9
113	Scaling for the refrigeration effects in lead-free barium titanate based ferroelectric ceramics. Journal of Electroceramics, 2014, 32, 169-174.	0.8	9
114	Anelastic analyses on the relaxation of anti-ferroelectric states in 0.94Bi0.5Na0.5TiO3-0.06BaTiO3 solid solutions under electric fields. Journal of Electroceramics, 2015, 34, 38-42.	0.8	9
115	Structural and ferroelectric properties of textured KNN thick films prepared by sol-gel methods. Integrated Ferroelectrics, 2016, 176, 171-178.	0.3	9
116	The effects of anti-ferroelectric nanofillers on the negative electrocaloric effects in Poly(vinylidene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.5	9
117	Bond-breaking analyses on the characteristics of flow defects in metallic glasses under plastic deformation. Journal of Alloys and Compounds, 2019, 799, 450-461.	2.8	9
118	Oxidation behavior of a Ti16.7Zr16.7Hf16.7Cu16.7Ni16.7Be16.7 high-entropy bulk metallic glass. Materials Letters, 2019, 236, 135-138.	1.3	9
119	Advanced sodium storage properties of a porous nitrogen-doped carbon with a NiO/Cu/Cu₂O hetero-interface derived from bimetalâ€"organic frameworks. Chemical Communications, 2020, 56, 818-821.	2.2	9
120	Anisotropic correlation between the piezoelectricity and anion-polarizability difference in 2D phosphorene-type ternary GaXY (Xâ€‰=â€‰Se, Te; Yâ€‰=â€‰F, Cl, Br, I) monolayers. Journal of Materials Scienc 56, 8024-8036.	1.7	9
121	Alloying effects on phase stability, mechanical properties, and deformation behavior of CoCrNi-based medium-entropy alloys at low temperatures. Intermetallics, 2022, 140, 107399.	1.8	9
122	Mechanical Properties and Crystallization Behaviors of Microstructured Co-Fe-P Amorphous Alloys. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2011, 42, 211-218.	1.1	8
123	3D CuO@nitrogen-graphene aerogel hybrids as anodes for lithium-ion batteries: Gas-liquid interfacial assembly and superior electrochemical performance. Journal of Alloys and Compounds, 2019, 784, 915-922.	2.8	8
124	Atomistic Simulation on the Mechanical Properties of Diffusion Bonded Zr-Cu Metallic Glasses with Oxidized Interfaces. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2021, 52, 1939-1946.	1.1	8
125	Hierarchical porous CuNi-based bimetal-organic frameworks as efficient catalysts for ammonia borane hydrolysis. Catalysis Communications, 2020, 143, 106057.	1.6	8
126	Ferroelectricity in novel one-dimensional P42-InSeI nanowires. Results in Physics, 2021, 31, 104960.	2.0	8

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127	Dynamics of Barkhausen jumps in disordered ferromagnets. Journal of Applied Physics, 2002, 92, 883-888.	1.1	7
128	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
129	The effects of additions of two-dimensional graphitic-C₃N₄ on the negative electro-caloric effects in P(VDF-TrFE) copolymers. RSC Advances, 2019, 9, 15917-15925.	1.7	7
130	Atomistic modeling of nanocrystalline ferromagnets. Journal of Applied Physics, 2003, 93, 7652-7654.	1.1	6
131	The effects of glassâ€“glass interfaces on thermodynamic and mechanical properties of Coâ€“Feâ€“P metallic nano-glasses. Journal of Materials Research, 2021, 36, 4951-4962.	1.2	6
132	Ultrahigh mechanical flexibility induced superior piezoelectricity of InSeBr-type 2D Janus materials. Physical Chemistry Chemical Physics, 2022, 24, 8371-8377.	1.3	6
133	Preparation and characterization of nanostructured Gdâ€“Co films. Journal of Alloys and Compounds, 2003, 358, 65-70.	2.8	5
134	The effect of microstructure on magnetic phase transitions in an Ising model. Physica A: Statistical Mechanics and Its Applications, 2005, 355, 355-373.	1.2	5
135	Magneto-mechanical coupling behavior of defective single-walled carbon nanotubes. Nanotechnology, 2008, 19, 325701.	1.3	5
136	Application of phase-field modeling to deformation of metallic glasses. Current Opinion in Solid State and Materials Science, 2011, 15, 116-124.	5.6	5
137	Modified hydrothermal synthesis and structural characterization of monoclinic (K Na1â^')NbO3 (0.05â‰¤xâ‰¤0.15) rods. Ceramics International, 2015, 41, 8837-8842.	2.3	5
138	Synthesis and Electro-Magneto-Mechanical Properties of Graphene Aerogels Functionalized with Co-Fe-P Amorphous Alloys. Micromachines, 2016, 7, 117.	1.4	5
139	Mechanisms of polarization switching in graphene oxides and poly(vinylidene fluoride)â€“graphene oxide films. Japanese Journal of Applied Physics, 2016, 55, 04EP04.	0.8	5
140	Synthesis and temperature dependent energy storage characterization of ceramics. Physica Scripta, 2021, 96, 095809.	1.2	5
141	Characterization on the glass forming ability of metallic nano-glasses by the dynamic scaling for mechanical loss in supercooled liquid state. Scripta Materialia, 2021, 203, 114109.	2.6	5
142	The Electrocaloric Effect in BaTiO₃ Thick Film Multilayer Structure at High Electric Field. Key Engineering Materials, 0, 512-515, 1304-1307.	0.4	4
143	Giant electrical energy storage density in the P(VDF-TrFE)â€“graphene oxide composite papers with quasi-two-dimensional ferroelectricity. Journal of Materials Science: Materials in Electronics, 2019, 30, 7725-7732.	1.1	4
144	Dynamic scaling for avalanches in disordered systems. Physical Review E, 2001, 63, 036122.	0.8	3

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145	Universality of dynamic scaling for avalanches in disordered Ising systems. Physical Review E, 2002, 66, 036108.	0.8	3
146	Short-time dynamics of first-order phase transition in a disordered system. Journal of Physics A, 2002, 35, 10549-10561.	1.6	3
147	Enhanced Thermal Performance and Impact Strength of UHMWPE/Recycled-PA6 Blends Synthesized via a Melting Extrusion Route. Advances in Materials Science and Engineering, 2016, 2016, 1-5.	1.0	3
148	Preparation and catalytic performance of tungstophosphoric acid anchored to SiO2@graphene aerogel 3D porous catalysts for the synthesis of ethyl levulinate biofuel. Journal of Porous Materials, 2019, 26, 723-732.	1.3	3
149	Hysteresis scaling for Ising systems on fractal structures. Physica A: Statistical Mechanics and Its Applications, 1999, 264, 515-522.	1.2	2
150	The effect of tin substitution on ferroelectric ordering of CuÂO chains in YBCO oxides. Superconductor Science and Technology, 2002, 15, 1398-1403.	1.8	2
151	Multi-scale modeling of shear banding in iron-based metallic glasses. Journal of Alloys and Compounds, 2010, 504, S56-S59.	2.8	2
152	Preparation and Ferroelectric Properties of Lead-Free Bi_{0.5}Na_{0.5}TiO₃-BaTiO₃ Ceramics Synthesized with Citrate Method. Advanced Materials Research, 0, 485, 271-274.	0.3	2
153	Coexistence of positive and negative electrocaloric effects in lead free perovskite structured ferroelectrics. Solid State Sciences, 2019, 95, 105929.	1.5	2
154	Characterization of magnetization processes in nanostructured rare earth-transition metal films. Journal of Applied Physics, 2003, 93, 8116-8118.	1.1	1
155	Enhanced mechanical strength and ductility of metal-repaired defective carbon nanotubes: A density functional study. Applied Physics Letters, 2008, 92, .	1.5	1
156	Ferroelectric-to-Ferroelectric Phase Transition Induced Electro-Caloric Energy Conversion in Barium Titanate at Room Temperature. Key Engineering Materials, 2012, 519, 10-13.	0.4	1
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