Guang Chen

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1008346/publications.pdf

Version: 2024-02-01

147 papers	14,948 citations	66315 42 h-index	17580 121 g-index
151 all docs	151 docs citations	151 times ranked	12544 citing authors

#	Article	IF	Citations
1	High-Thermoelectric Performance of Nanostructured Bismuth Antimony Telluride Bulk Alloys. Science, 2008, 320, 634-638.	6.0	4,843
2	Bulk nanostructured thermoelectric materials: current research and future prospects. Energy and Environmental Science, 2009, 2, 466.	15.6	1,698
3	Perspectives on thermoelectrics: from fundamentals to device applications. Energy and Environmental Science, 2012, 5, 5147-5162.	15.6	1,080
4	High thermoelectric performance by resonant dopant indium in nanostructured SnTe. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 13261-13266.	3.3	632
5	Enhanced thermoelectric figure of merit in nanostructured n-type silicon germanium bulk alloy. Applied Physics Letters, 2008, 93, .	1.5	623
6	Polysynthetic twinned TiAl single crystals for high-temperature applications. Nature Materials, 2016, 15, 876-881.	13.3	476
7	Theoretical phonon thermal conductivity of Si/Ge superlattice nanowires. Journal of Applied Physics, 2004, 95, 682-693.	1.1	369
8	Enhanced thermal conductivity and viscosity of copper nanoparticles in ethylene glycol nanofluid. Journal of Applied Physics, 2008, 103, .	1.1	367
9	Finite element simulation of high-speed machining of titanium alloy (Tiâ€“6Alâ€“4V) based on ductile failure model. International Journal of Advanced Manufacturing Technology, 2011, 56, 1027-1038.	1.5	212
10	Heat Transfer in Nanostructures for Solid-State Energy Conversion. Journal of Heat Transfer, 2002, 124, 242-252.	1.2	211
11	Modeling study of thermoelectric SiGe nanocomposites. Physical Review B, 2009, 80, .	1.1	178
12	Observation of second sound in graphite at temperatures above 100 K. Science, 2019, 364, 375-379.	6.0	160
13	High thermoelectric conversion efficiency of MgAgSb-based material with hot-pressed contacts. Energy and Environmental Science, 2015, 8, 1299-1308.	15.6	154
14	Photovoltaic-thermoelectric hybrid systems: A general optimization methodology. Applied Physics Letters, 2008, 92, .	1.5	140
15	Measurements of anisotropic thermoelectric properties in superlattices. Applied Physics Letters, 2002, 81, 3588-3590.	1.5	137
16	A novel dual-ratiometric-response fluorescent probe for SO2/ClOâ˜ detection in cells and inÂvivo and its application in exploring the dichotomous role of SO2 under the ClOâ˜ induced oxidative stress. Biomaterials, 2017, 133, 82-93.	5.7	136
17	Thermal interface conductance in Si/Ge superlattices by equilibrium molecular dynamics. Physical Review B, 2012, 85, .	1.1	128
18	Selective Synthesis of Benzo[a]Carbazoles and Indolo[2,1â€a]â€Isoquinolines via Rh(III)â€Catalyzed Câ˜H Functionalizations of 2â€Arylindoles with Sulfoxonium Ylides. Advanced Synthesis and Catalysis, 2018, 360, 3781-3787.	2.1	121

#	Article	IF	Citations
19	Simultaneous measurements of Seebeck coefficient and thermal conductivity across superlattice. Applied Physics Letters, 2002, 80, 1758-1760.	1.5	117
20	Quasiballistic heat transfer studied using the frequency-dependent Boltzmann transport equation. Physical Review B, 2011, 84, .	1.1	109
21	Phonon localization in heat conduction. Science Advances, 2018, 4, eaat9460.	4.7	108
22	Solubility study of Yb in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>n</mml:mi></mml:math>-type skutterudites<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Yb</mml:mtext></mml:mrow><mml:mi>x</mml:mi></mml:msub> Physical Review B, 2009, 80, .	1.1	104
23	Achieving high thermoelectric performance with Pb and Zn codoped polycrystalline SnSe via phase separation and nanostructuring strategies. Nano Energy, 2018, 53, 683-689.	8.2	98
24	Diffusion of nickel and tin in p-type (Bi,Sb)2Te3 and n-type Bi2(Te,Se)3 thermoelectric materials. Applied Physics Letters, 2008, 92, .	1.5	97
25	Covalently polysaccharide-based alginate/chitosan hydrogel embedded alginate microspheres for BSA encapsulation and soft tissue engineering. International Journal of Biological Macromolecules, 2019, 127, 340-348.	3.6	93
26	A Review of Heat Transfer Physics. Nanoscale and Microscale Thermophysical Engineering, 2008, 12, 1-60.	1.4	91
27	Realizing high thermoelectric performance in eco-friendly SnTe via synergistic resonance levels, band convergence and endotaxial nanostructuring with Cu2Te. Nano Energy, 2020, 73, 104832.	8.2	81
28	Thermal conductivity of nanoporous bismuth thin films. Applied Physics Letters, 2004, 84, 1883-1885.	1.5	78
29	Nonlinear spectral imaging of human hypertrophic scar based on two-photon excited fluorescence and second-harmonic generation. British Journal of Dermatology, 2009, 161, 48-55.	1.4	75
30	Dielectric responses and scaling behaviors in Aurivillius Bi6Ti3Fe2O18 multiferroic thin films. Applied Physics Letters, 2012, 100, .	1.5	75
31	Structure and thermoelectric properties of boron doped nanocrystalline Si0.8Ge0.2 thin film. Journal of Applied Physics, 2006, 100, 054315.	1.1	69
32	Large-sized Zr-based bulk-metallic-glass composite with enhanced tensile properties. Intermetallics, 2012, 28, 25-33.	1.8	69
33	Enzymatic hydrolysis of lignin by ligninolytic enzymes and analysis of the hydrolyzed lignin products. Bioresource Technology, 2020, 304, 122975.	4.8	67
34	A review of cathode materials in lithium-sulfur batteries. Ionics, 2020, 26, 5299-5318.	1.2	65
35	Silk fibroin modified porous poly(Îµ-caprolactone) scaffold for human fibroblast culture in vitro. Journal of Materials Science: Materials in Medicine, 2004, 15, 671-677.	1.7	61
36	Effect of selenium deficiency on the thermoelectric properties ofn-type In4Se3â^'xcompounds. Physical Review B, 2011, 83, .	1.1	61

#	Article	IF	Citations
37	Thermal conductivity of AlAs0.07Sb0.93 and Al0.9Ga0.1As0.07Sb0.93 alloys and (AlAs)1/(AlSb)11 digital-alloy superlattices. Journal of Applied Physics, 2002, 92, 4994-4998.	1.1	56
38	Innovative processing and property improvement of metallic glass based composites. Scripta Materialia, 2006, 55, 375-378.	2.6	56
39	Disassembly of lignocellulose into cellulose, hemicellulose, and lignin for preparation of porous carbon materials with enhanced performances. Journal of Hazardous Materials, 2021, 408, 124956.	6.5	54
40	Co-immobilization of multi-enzyme on reversibly soluble polymers in cascade catalysis for the one-pot conversion of gluconic acid from corn straw. Bioresource Technology, 2021, 321, 124509.	4.8	53
41	Synthesis of Functionalized Pyridines via Cu(II)-Catalyzed One-Pot Cascade Reactions of Inactivated Saturated Ketones with Electron-Deficient Enamines. Journal of Organic Chemistry, 2017, 82, 11230-11237.	1.7	48
42	Innovative approach to the design of low-cost Zr-based BMG composites with good glass formation. Scientific Reports, 2013, 3, 2097.	1.6	45
43	Mg-based bulk metallic glass composite with high bio-corrosion resistance and excellent mechanical properties. Intermetallics, 2012, 29, 56-60.	1.8	44
44	Processing optimization and sintering time dependent magnetic and optical behaviors of Aurivillius Bi5Ti3FeO15 ceramics. Journal of Applied Physics, 2013, 113, .	1.1	43
45	Comparison of microstructures and properties of Zr-based bulk metallic glass composites with dendritic and spherical bcc phase precipitates. Intermetallics, 2007, 15, 632-634.	1.8	42
46	Correlation of the microstructure and mechanical properties of Zr-based in-situ bulk metallic glass matrix composites. Intermetallics, 2010, 18, 2425-2430.	1.8	42
47	A simple differential steady-state method to measure the thermal conductivity of solid bulk materials with high accuracy. Review of Scientific Instruments, 2014, 85, 025108.	0.6	42
48	High-bias-induced structure and the corresponding electronic property changes in carbon nanotubes. Applied Physics Letters, 2005, 87, 263107.	1.5	41
49	Thermal transport in suspended silicon membranes measured by laser-induced transient gratings. AIP Advances, 2016, 6, .	0.6	40
50	Influence of Aging and Thermomechanical Treatments on the Mechanical Properties of a Nanocluster-Strengthened Ferritic Steel. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2012, 43, 351-359.	1.1	39
51	Mo<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>0.01</mml:mn></mml:mrow></mml:msub></mml:math>Bi<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>Te<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:	1.1	38
52	Increasing high-temperature fatigue resistance of polysynthetic twinned TiAl single crystal by plastic strain delocalization. Journal of Materials Science and Technology, 2021, 93, 53-59.	5.6	38
53	Synthesis of 3-acylquinolines through Cu-catalyzed double C(sp³)â€“H bond functionalization of saturated ketones. Organic Chemistry Frontiers, 2017, 4, 612-616.	2.3	37
54	Low-dimensional phonon specific heat of titanium dioxide nanotubes. Applied Physics Letters, 2005, 87, 031901.	1.5	34

#	Article	IF	Citations
55	Enhanced plasticity in a Zr-based bulk metallic glass composite with in situ formed intermetallic phases. Applied Physics Letters, 2009, 95, .	1.5	33
56	Light Element Doping and Introducing Spin Entropy: An Effective Strategy for Enhancement of Thermoelectric Properties in BiCuSeO. ACS Applied Materials & Interfaces, 2019, 11, 15543-15551.	4.0	31
57	Dynamics and mechanism of columnar grain growth of pure iron under directional annealing. Acta Materialia, 2007, 55, 5988-5998.	3.8	29
58	One-step synthesis of hollow Cr(OH)<sub>3</sub micro/nano-hexagonal pellets and the catalytic properties of hollow Cr<sub>2</sub O<sub>3</sub structures. Journal of Materials Chemistry A, 2014, 2, 12770.	5.2	28
59	Multiobjective optimization of cutting parameters in Ti-6Al-4V milling process using nondominated sorting genetic algorithm-II. International Journal of Advanced Manufacturing Technology, 2015, 76, 941-953.	1.5	28
60	Innovative hydrolysis of corn stover biowaste by modified magnetite laccase immobilized nanoparticles. Environmental Research, 2020, 188, 109829.	3.7	28
61	Atomic-scale insights on hydrogen trapping and exclusion at incoherent interfaces of nanoprecipitates in martensitic steels. Nature Communications, 2022, 13, .	5.8	27
62	Preparation and hydrophobicity of biomorphic ZnO/carbon based on a lotus-leaf template. Materials Science and Engineering C, 2014, 43, 310-316.	3.8	26
63	Structural origin underlying poor glass forming ability of Al metallic glass. Journal of Applied Physics, 2011, 110, .	1.1	25
64	Interlamellar boundaries govern cracking. Acta Materialia, 2021, 215, 117091.	3.8	24
65	Co-Immobilization of Tri-Enzymes for the Conversion of Hydroxymethylfurfural to 2,5-Diformylfuran. Molecules, 2019, 24, 3648.	1.7	23
66	Microwave-Assisted Hydrothermal Preparation of Corn Straw Hydrochar as Supercapacitor Electrode Materials. ACS Omega, 2020, 5, 26084-26093.	1.6	22
67	Effects of Periodic Structures on the Coherence Properties of Blackbody Radiation. Journal of Heat Transfer, 2004, 126, 786-792.	1.2	21
68	Improvement of magnetic properties of an Fe-6.5â€‚wt.â€‰% Si alloy by directional recrystallization. Applied Physics Letters, 2008, 93, .	1.5	21
69	Directional recrystallization and microstructures of an Feâ€“6.5wt%Si alloy. Journal of Materials Research, 2009, 24, 2654-2660.	1.2	19
70	Microscale mechanical properties of ultra-high-strength polysynthetic TiAl-Ti 3 Al single crystals. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 732, 14-20.	2.6	19
71	Combining biological and chemical methods to disassemble of cellulose from corn straw for the preparation of porous carbons with enhanced adsorption performance. International Journal of Biological Macromolecules, 2022, 209, 315-329.	3.6	19
72	High-accuracy direct ZT and intrinsic properties measurement of thermoelectric couple devices. Review of Scientific Instruments, 2014, 85, 045107.	0.6	16

#	Article	IF	Citations
73	Tensile Deformation Behavior of Fe-Mn-Al-C Low Density Steels. Journal of Iron and Steel Research International, 2016, 23, 963-972.	1.4	16
74	The cross-talk modulation of excited state electron transfer to reduce the false negative background for high fidelity imaging in vivo. Chemical Science, 2020, 11, 1964-1974.	3.7	16
75	Computer simulation of the solidification of cast titanium dental prostheses. Journal of Materials Science, 2005, 40, 4911-4916.	1.7	15
76	Leaching of Refractory Gold Ores by Microwave Irradiation: Comparison with Conventional Leaching. Metallurgist, 2013, 57, 647-653.	0.2	15
77	High strength and plastic strain of Mg-based bulk metallic glass composite containing in situ formed intermetallic phases. Scripta Materialia, 2013, 68, 150-153.	2.6	15
78	Microstructure evolution in the Zr-based bulk metallic glass composites by additions of oxygen. Materials Letters, 2014, 118, 169-172.	1.3	15
79	Impact of Different Nose Lengths on Flow-Field Structure around a High-Speed Train. Applied Sciences (Switzerland), 2019, 9, 4573.	1.3	15
80	Preparation of Highly Porous Graphitic Activated Carbon as Electrode Materials for Supercapacitors by Hydrothermal Pretreatment-Assisted Chemical Activation. ACS Omega, 2020, 5, 11058-11067.	1.6	15
81	Altered miRNA and mRNA Expression in Sika Deer Skeletal Muscle with Age. Genes, 2020, 11, 172.	1.0	15
82	Generation and detection of 50 GHz surface acoustic waves by extreme ultraviolet pulses. Applied Physics Letters, 2021, 119, .	1.5	15
83	Synthesis of Succinimide Spiro-Fused Sultams from the Reaction of N-(Phenylsulfonyl)acetamides with Maleimides via C(sp²)â€“H Activation. Journal of Organic Chemistry, 2021, 86, 10330-10342.	1.7	15
84	Synthesis of Hydroxysuccinimide Substituted Indolin-3-ones via One-Pot Cascade Reaction of o-Alkynylnitrobenzenes with Maleimides under Au(III)â€“Cu(II) Relay/Synergetic Catalysis. Journal of Organic Chemistry, 2021, 86, 14652-14662.	1.7	15
85	Tribological behavior of MC Nylon6 composites filled with glass fiber and fly ash. Journal Wuhan University of Technology, Materials Science Edition, 2012, 27, 290-295.	0.4	14
86	Oxygen segregation in the Zr-based bulk metallic glasses. Intermetallics, 2014, 49, 149-153.	1.8	14
87	Atomic-scale investigation on the interface structure of {2<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.svg"><mml:mrow><mml:mover accent="true"><mml:mn>2</mml:mn><mml:mo>â€¾</mml:mo></mml:mover></mml:mrow></mml:math>01} Î±2-Ti3Al deformation twins in polysynthetically twinned TiAl single crystals. Intermetallics, 2021, 128, 106995.	1.8	14
88	Glass formation of Zrâ€“Cuâ€“Niâ€“Al bulk metallic glasses correlated with Lâ†’Zr2Cu+ZrCu pseudo binary eutectic reaction. Journal of Alloys and Compounds, 2013, 577, 451-455.	2.8	13
89	Enhancement of tensile properties by the solid solution strengthening of nitrogen in Zr-based metallic glass composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 696, 461-465.	2.6	13
90	Biodegradation of polycyclic aromatic hydrocarbons (PAHs) by bacterial mixture. International Journal of Environmental Science and Technology, 2022, 19, 3833-3844.	1.8	13

#	Article	IF	Citations
91	The dynamic compressive behavior of Wf/Zr-based metallic glass composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 641, 107-115.	2.6	12
92	Investigation of the effects of Al on the glass forming ability of Zr-Cu-Ni-Al alloys through their solidification characteristics. Intermetallics, 2019, 109, 105-109.	1.8	12
93	The critical cooling rate and microstructure evolution of Zr41.2Ti13.8Cu12.5Ni10Be22.5 composites by Bridgman solidification. Intermetallics, 2010, 18, 115-118.	1.8	11
94	Glass formation, microstructure evolution and mechanical properties of Zr41.2Ti13.8Cu12.5Ni10Be22.5 and its surrounding alloys. Acta Materialia, 2014, 73, 194-204.	3.8	11
95	Composition Distribution and Electrochemical Behavior of an Ni2Al3 Coating on Q235 Steel. Metals, 2016, 6, 58.	1.0	11
96	Unveiling the abnormal capacity rising mechanism of MoS₂ anode during long-term cycling for sodium-ion batteries. RSC Advances, 2021, 11, 28488-28495.	1.7	11
97	Phonon Thermal Conductivity of Superlattice Nanowires for Thermoelectric Applications. Materials Research Society Symposia Proceedings, 2003, 793, 106.	0.1	10
98	Synthesis and luminescence of single crystalline Bi2O3 nanosheets. Science China Technological Sciences, 2011, 54, 19-22.	2.0	10
99	Numerical Study of the Aerodynamic Performance of a Train with a Crosswind for Different Embankment Heights. Flow, Turbulence and Combustion, 2021, 107, 105-123.	1.4	10
100	The Effect of the Nose Length on the Aerodynamics of a High-Speed Train Passing Through a Noise Barrier. Flow, Turbulence and Combustion, 2022, 108, 411-431.	1.4	10
101	Improvements of on-membrane method for thin-film thermal conductivity and emissivity measurements. , 0, , .		9
102	Corrosion Behavior of Feâ€“Al Coatings Fabricated by Pack Aluminizing Method. Acta Metallurgica Sinica (English Letters), 2016, 29, 813-819.	1.5	8
103	Realizing High Thermoelectric Performance in p-Type SnSe Crystals via Convergence of Multiple Electronic Valence Bands. ACS Applied Materials & Interfaces, 2022, 14, 4091-4099.	4.0	8
104	Thermal Stability, Glass-Formation Ability, and Mechanical Properties of (Zr41.2Ti13.8Cu12.5Ni10Be22.5)100â^'x Nb x Amorphous Alloys. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2008, 39, 1812-1816.	1.1	6
105	Synthesis of Plastic Mg-Based Bulk-Metallic-Glass Matrix Composites by Bridgman Solidification. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2012, 43, 2604-2609.	1.1	6
106	Lamellar morphology of directional solidified Tiâ€“45Alâ€“6Nbâ€“xW alloys. Rare Metals, 2016, 35, 65-69.	3.6	6
107	Isothermal oxidation behavior of a new Re-free nickel-based single-crystal superalloy at 950ÂÂ°C. Rare Metals, 2017, 36, 617-621.	3.6	6
108	Condition-Dependent Selective Synthesis of Indolo[1,2-c]quinazolines and Indolo[3,2-c]quinolines from 2-(1H-Indol-2-yl)anilines and Sulfoxonium Ylides. Journal of Organic Chemistry, 2022, 87, 9815-9828.	1.7	6

#	Article	IF	Citations
109	Thermal conductivity reduction mechanisms in superlattices. , 0, , .		5
110	Enhancement of Thermoelectric Figure-of-Merit by a Nanostructure Approach. Materials Research Society Symposia Proceedings, 2009, 1166, 3.	0.1	5
111	Atomic-scale structural evolution from disorder to order in an amorphous metal. Journal of Applied Physics, 2011, 110, 123508.	1.1	5
112	Report on Carbon Nano Material Workshop: Challenges and Opportunities. Nanoscale and Microscale Thermophysical Engineering, 2013, 17, 10-24.	1.4	5
113	Improving the strength and the toughness of Mg-based bulk metallic glass by Bridgman solidification. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2013, 564, 158-162.	2.6	5
114	Effect of Oxygen on Microstructure Evolution and Glass Formation of Zr-based Metallic Glasses. Journal of Iron and Steel Research International, 2016, 23, 78-82.	1.4	5
115	NUMERICAL INVESTIGATIONS ON EFFECTS OF IMPACT VELOCITY AND SPRAY ANGLE OF PARTICLE ON ITS DEFORMATION BEHAVIOR IN COLD SPRAYING. Surface Review and Letters, 2006, 13, 613-620.	0.5	4
116	Effects of Elevated Withdrawal Rate on the Microstructure and Segregation Behavior of a Nickel-base Single Crystal Superalloy. Rare Metal Materials and Engineering, 2017, 46, 1245-1250.	0.8	4
117	Research on austenitizing behavior and mechanical properties of 40CrNi2Si2MoVA steel. Advances in Materials and Processing Technologies, 2017, 3, 616-626.	0.8	4
118	Development of novel EST microsatellite markers for genetic diversity analysis and correlation analysis of velvet antler growth characteristics in Sika deer. Hereditas, 2020, 157, 24.	0.5	4
119	Nitroxide-Modified Protein-Incorporated Nanoflowers with Dual Enzyme-Like Activities . International Journal of Nanomedicine, 2020, Volume 15, 263-273.	3.3	4
120	Scent chemistry and pollinators in the holoparasitic plant Cynomorium songaricum (Cynomoriaceae). Plant Biology, 2021, 23, 111-120.	1.8	4
121	Preparation of <scp>PEG</scp>â€modified wool keratin/sodium alginate porous scaffolds with elasticity recovery and good biocompatibility. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2021, 109, 1303-1312.	1.6	4
122	Use of Eggshell-Catalyzed Biochar Adsorbents for Pb Removal from Aqueous Solution. ACS Omega, 2022, 7, 21808-21819.	1.6	4
123	Fabrication and modeling of an in-plane thermoelectric micro-generator. , 0, , .		3
124	Nanoscale heat transfer and nanostructured thermoelectrics - Keynote Speaker. , 0, , .		3
125	Structure and magnetic properties of melt-spun (Nd0.625Ni0.375)85Al15 ribbons. Journal of Applied Physics, 2006, 99, 08B524.	1.1	3
126	Enhanced plasticity of Zr-based bulk metallic glass composite by in situ formed Î²-Zr dendritics. Frontiers of Materials Science in China, 2007, 1, 114-119.	0.5	3

#	Article	IF	Citations
127	Correlation of the glass formation and phase selection of the Mg-Cu-Gd bulk metallic glass forming alloys. Journal of Non-Crystalline Solids, 2017, 472, 61-64.	1.5	3
128	Association of HLA-DQB1*03:03 with pityriasis rosea in Chinese patients. Clinical and Experimental Dermatology, 2018, 43, 389-392.	0.6	3
129	Ni2Al3 intermetallic coating: microstructure and mechanical properties. Advances in Materials and Processing Technologies, 2018, 4, 255-261.	0.8	3
130	TsmartGP: A Tool for Finding Memory Defects with Pointer Analysis. , 2019, , .		3
131	Effects of pore density on microstructure and mechanical properties of porous SiC ceramic foam/Zr-based metallic glass interpenetrating phase composites. Intermetallics, 2021, 129, 106964.	1.8	3
132	Numerical and Experimental Investigations of Micro Thermal Performance in a Tube with Delta Winglet Pairs. Micromachines, 2021, 12, 786.	1.4	3
133	Microstructural Evolution and Mechanical Properties of Zr-Cu-Ni-Al Bulk Metallic Glasses by the Bridgman Solidification. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2012, 43, 2620-2624.	1.1	2
134	The Effect of Dy Substitution on the Glass-Forming Ability and Crystallization Behavior of Mg65Cu10Ni10Y10Zn5 Metallic Glass. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2012, 43, 2637-2641.	1.1	2
135	Influence of austenization temperature on microstructure and mechanical properties of a new ultra-high strength low alloyed steel. Materialpruefung/Materials Testing, 2017, 59, 990-996.	0.8	2
136	EXPLORATION AND RESEARCH OF A NEW Re-FREE Ni-BASED SINGLE CRYSTAL SUPERALLOY. Jinshu Xuebao/Acta Metallurgica Sinica, 2013, 49, 1467.	0.3	2
137	INFLUENCE OF MELT HOLDING TEMPERATURES ON MECHANICAL PROPERTIES AT ROOM TEMPERATURE OF Wf/Zr-BASED METALLIC GLASS COMPOSITES. Jinshu Xuebao/Acta Metallurgica Sinica, 2013, 49, 1482.	0.3	2
138	Crystallographic Origin of Phase Transformation and Lamellar Orientation Control for TiAl-Based Alloys. Crystals, 2022, 12, 634.	1.0	2
139	Enhancement of electronic conductivity of LiAl0.3Co0.7O2 via Mg doping. Journal of Materials Science Letters, 2003, 22, 1183-1184.	0.5	1
140	Report on 6th U.S.â€“Japan Joint Seminar on Nanoscale Transport Phenomenaâ€”Science and Engineering. Nanoscale and Microscale Thermophysical Engineering, 2008, 12, 273-293.	1.4	1
141	Magnetocaloric Effect of ${m Gd}_{55}{m Co}_{20}{m Al}_{25}$ Metallic Glass. IEEE Transactions on Magnetics, 2012, 48, 4003-4005.	1.2	1
142	Thermal conductivity of periodically microporous silicon membranes. , 0, , .		0
143	Quantum and classical size effects on thermoelectric transport in Si/Ge superlattices. , 0, , .		0
144	Thermal Conductivity Reduction of SiGe Nanocomposites. Materials Research Society Symposia Proceedings, 2003, 793, 232.	0.1	0

#	Article	IF	Citations
145	Synthesis, Characterization and Thermal Stability of Highly Crystallized Titania Nanotubes. Materials Research Society Symposia Proceedings, 2004, 836, L1.8.1.	0.1	0
146	Enhancement effect of phase-conjugate waves of third order nonlinear medium in the Bragg microcavity. Optoelectronics Letters, 2006, 2, 78-81.	0.4	0
147	The integration running framework and a prototype system based on the function-flow of the product design process. , 2015, , .		0