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	Biodegradation of polycyclic aromatic hydrocarbons (PAHs) by bacterial mixture. International Journal of Environmental Science and Technology, 2022, 19, 3833-3844.	1.8	13
2	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
3	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
4	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
5	Crystallographic Origin of Phase Transformation and Lamellar Orientation Control for TiAl-Based Alloys. Crystals, 2022, 12, 634.	1.0	2
6	Use of Eggshell-Catalyzed Biochar Adsorbents for Pb Removal from Aqueous Solution. ACS Omega, 2022, 7, 21808-21819.	1.6	4
7	Atomic-scale insights on hydrogen trapping and exclusion at incoherent interfaces of nanoprecipitates in martensitic steels. Nature Communications, 2022, 13, .	5.8	27
8	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
9	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
10	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
11	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
12	Scent chemistry and pollinators in the holoparasitic plant Cynomorium songaricum (Cynomoriaceae). Plant Biology, 2021, 23, 111-120.	1.8	4
13	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
14	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
15	Numerical and Experimental Investigations of Micro Thermal Performance in a Tube with Delta Winglet Pairs. Micromachines, 2021, 12, 786.	1.4	3
16	Generation and detection of 50 GHz surface acoustic waves by extreme ultraviolet pulses. Applied Physics Letters, 2021, 119, .	1.5	15
17	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
18	Interlamellar boundaries govern cracking. Acta Materialia, 2021, 215, 117091.	3.8	24

#	Article	IF	Citations
19	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
20	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
21	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
22	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
23	Microwave-Assisted Hydrothermal Preparation of Corn Straw Hydrochar as Supercapacitor Electrode Materials. ACS Omega, 2020, 5, 26084-26093.	1.6	22
24	A review of cathode materials in lithium-sulfur batteries. Ionics, 2020, 26, 5299-5318.	1.2	65
25	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
26	Innovative hydrolysis of corn stover biowaste by modified magnetite laccase immobilized nanoparticles. Environmental Research, 2020, 188, 109829.	3.7	28
27	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
28	Nitroxide-Modified Protein-Incorporated Nanoflowers with Dual Enzyme-Like Activities . International Journal of Nanomedicine, 2020, Volume 15, 263-273.	3.3	4
29	Altered miRNA and mRNA Expression in Sika Deer Skeletal Muscle with Age. Genes, 2020, 11, 172.	1.0	15
30	Enzymatic hydrolysis of lignin by ligninolytic enzymes and analysis of the hydrolyzed lignin products. Bioresource Technology, 2020, 304, 122975.	4.8	67
31	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
32	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
33	Co-Immobilization of Tri-Enzymes for the Conversion of Hydroxymethylfurfural to 2,5-Diformylfuran. Molecules, 2019, 24, 3648.	1.7	23
34	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
35	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
36	Observation of second sound in graphite at temperatures above 100 K. Science, 2019, 364, 375-379.	6.0	160

#	Article	IF	Citations
37	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
38	TsmartGP: A Tool for Finding Memory Defects with Pointer Analysis. , 2019, , .		3
39	Impact of Different Nose Lengths on Flow-Field Structure around a High-Speed Train. Applied Sciences (Switzerland), 2019, 9, 4573.	1.3	15
40	Association of HLA-DQB1*03:03 with pityriasis rosea in Chinese patients. Clinical and Experimental Dermatology, 2018, 43, 389-392.	0.6	3
41	Ni2Al3 intermetallic coating: microstructure and mechanical properties. Advances in Materials and Processing Technologies, 2018, 4, 255-261.	0.8	3
42	Phonon localization in heat conduction. Science Advances, 2018, 4, eaat9460.	4.7	108
43	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
44	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
45	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
46	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
47	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
48	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
49	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
50	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
51	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
52	Research on austenitizing behavior and mechanical properties of 40CrNi2Si2MoVA steel. Advances in Materials and Processing Technologies, 2017, 3, 616-626.	0.8	4
53	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
54	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

#	Article	IF	Citations
55	Composition Distribution and Electrochemical Behavior of an Ni2Al3 Coating on Q235 Steel. Metals, 2016, 6, 58.	1.0	11
56	Thermal transport in suspended silicon membranes measured by laser-induced transient gratings. AIP Advances, 2016, 6, .	0.6	40
57	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
58	Corrosion Behavior of Feâ€“Al Coatings Fabricated by Pack Aluminizing Method. Acta Metallurgica Sinica (English Letters), 2016, 29, 813-819.	1.5	8
59	Polysynthetic twinned TiAl single crystals for high-temperature applications. Nature Materials, 2016, 15, 876-881.	13.3	476
60	Lamellar morphology of directional solidified Tiâ€“45Alâ€“6Nbâ€“xW alloys. Rare Metals, 2016, 35, 65-69.	3.6	6
61	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
62	High thermoelectric conversion efficiency of MgAgSb-based material with hot-pressed contacts. Energy and Environmental Science, 2015, 8, 1299-1308.	15.6	154
63	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
64	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
65	The integration running framework and a prototype system based on the function-flow of the product design process. , 2015, , .		0
66	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
67	One-step synthesis of hollow Cr(OH)₃micro/nano-hexagonal pellets and the catalytic properties of hollow Cr₂O₃structures. Journal of Materials Chemistry A, 2014, 2, 12770.	5.2	28
68	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
69	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
70	High-accuracy direct ZT and intrinsic properties measurement of thermoelectric couple devices. Review of Scientific Instruments, 2014, 85, 045107.	0.6	16
71	Oxygen segregation in the Zr-based bulk metallic glasses. Intermetallics, 2014, 49, 149-153.	1.8	14
72	Microstructure evolution in the Zr-based bulk metallic glass composites by additions of oxygen. Materials Letters, 2014, 118, 169-172.	1.3	15

#	Article	IF	Citations
73	Leaching of Refractory Gold Ores by Microwave Irradiation: Comparison with Conventional Leaching. Metallurgist, 2013, 57, 647-653.	0.2	15
74	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
75	Report on Carbon Nano Material Workshop: Challenges and Opportunities. Nanoscale and Microscale Thermophysical Engineering, 2013, 17, 10-24.	1.4	5
76	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
77	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
78	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
79	Processing optimization and sintering time dependent magnetic and optical behaviors of Aurivillius Bi5Ti3FeO15 ceramics. Journal of Applied Physics, 2013, 113, .	1.1	43
80	Innovative approach to the design of low-cost Zr-based BMG composites with good glass formation. Scientific Reports, 2013, 3, 2097.	1.6	45
81	EXPLORATION AND RESEARCH OF A NEW Re-FREE Ni-BASED SINGLE CRYSTAL SUPERALLOY. Jinshu Xuebao/Acta Metallurgica Sinica, 2013, 49, 1467.	0.3	2
82	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
83	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
84	Experimental determination of the Lorenz number in Cu<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
85	Thermal interface conductance in Si/Ge superlattices by equilibrium molecular dynamics. Physical Review B, 2012, 85, .	1.1	128
86	Mg-based bulk metallic glass composite with high bio-corrosion resistance and excellent mechanical properties. Intermetallics, 2012, 29, 56-60.	1.8	44
87	Large-sized Zr-based bulk-metallic-glass composite with enhanced tensile properties. Intermetallics, 2012, 28, 25-33.	1.8	69
88	Dielectric responses and scaling behaviors in Aurivillius Bi6Ti3Fe2O18 multiferroic thin films. Applied Physics Letters, 2012, 100, .	1.5	75
89	Perspectives on thermoelectrics: from fundamentals to device applications. Energy and Environmental Science, 2012, 5, 5147-5162.	15.6	1,080
90	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

#	Article	IF	Citations
91	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
92	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
93	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
94	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
95	Quasiballistic heat transfer studied using the frequency-dependent Boltzmann transport equation. Physical Review B, 2011, 84, .	1.1	109
96	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
97	Synthesis and luminescence of single crystalline Bi2O3 nanosheets. Science China Technological Sciences, 2011, 54, 19-22.	2.0	10
98	Effect of selenium deficiency on the thermoelectric properties ofn-type In4Se3â^'xcompounds. Physical Review B, 2011, 83, .	1.1	61
99	Structural origin underlying poor glass forming ability of Al metallic glass. Journal of Applied Physics, 2011, 110, .	1.1	25
100	Atomic-scale structural evolution from disorder to order in an amorphous metal. Journal of Applied Physics, 2011, 110, 123508.	1.1	5
101	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
102	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
103	Enhanced plasticity in a Zr-based bulk metallic glass composite with in situ formed intermetallic phases. Applied Physics Letters, 2009, 95, .	1.5	33
104	Directional recrystallization and microstructures of an Feâ€“6.5wt%Si alloy. Journal of Materials Research, 2009, 24, 2654-2660.	1.2	19
105	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
106	Bulk nanostructured thermoelectric materials: current research and future prospects. Energy and Environmental Science, 2009, 2, 466.	15.6	1,698
107	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
108	Modeling study of thermoelectric SiGe nanocomposites. Physical Review B, 2009, 80, .	1.1	178

#	Article	IF	Citations
109	Enhancement of Thermoelectric Figure-of-Merit by a Nanostructure Approach. Materials Research Society Symposia Proceedings, 2009, 1166, 3.	0.1	5
110	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
111	High-Thermoelectric Performance of Nanostructured Bismuth Antimony Telluride Bulk Alloys. Science, 2008, 320, 634-638.	6.0	4,843
112	Photovoltaic-thermoelectric hybrid systems: A general optimization methodology. Applied Physics Letters, 2008, 92, .	1.5	140
113	Enhanced thermoelectric figure of merit in nanostructured n-type silicon germanium bulk alloy. Applied Physics Letters, 2008, 93, .	1.5	623
114	Enhanced thermal conductivity and viscosity of copper nanoparticles in ethylene glycol nanofluid. Journal of Applied Physics, 2008, 103, .	1.1	367
115	A Review of Heat Transfer Physics. Nanoscale and Microscale Thermophysical Engineering, 2008, 12, 1-60.	1.4	91
116	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
117	Improvement of magnetic properties of an Fe-6.5â€‚wt.â€‰% Si alloy by directional recrystallization. Applied Physics Letters, 2008, 93, .	1.5	21
118	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
119	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
120	Dynamics and mechanism of columnar grain growth of pure iron under directional annealing. Acta Materialia, 2007, 55, 5988-5998.	3.8	29
121	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
122	Structure and thermoelectric properties of boron doped nanocrystalline Si0.8Ge0.2 thin film. Journal of Applied Physics, 2006, 100, 054315.	1.1	69
123	Enhancement effect of phase-conjugate waves of third order nonlinear medium in the Bragg microcavity. Optoelectronics Letters, 2006, 2, 78-81.	0.4	0
124	Innovative processing and property improvement of metallic glass based composites. Scripta Materialia, 2006, 55, 375-378.	2.6	56
125	Structure and magnetic properties of melt-spun (Nd0.625Ni0.375)85Al15 ribbons. Journal of Applied Physics, 2006, 99, 08B524.	1.1	3
126	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

#	Article	IF	Citations
127	Computer simulation of the solidification of cast titanium dental prostheses. Journal of Materials Science, 2005, 40, 4911-4916.	1.7	15
128	High-bias-induced structure and the corresponding electronic property changes in carbon nanotubes. Applied Physics Letters, 2005, 87, 263107.	1.5	41
129	Low-dimensional phonon specific heat of titanium dioxide nanotubes. Applied Physics Letters, 2005, 87, 031901.	1.5	34
130	Effects of Periodic Structures on the Coherence Properties of Blackbody Radiation. Journal of Heat Transfer, 2004, 126, 786-792.	1.2	21
131	Synthesis, Characterization and Thermal Stability of Highly Crystallized Titania Nanotubes. Materials Research Society Symposia Proceedings, 2004, 836, L1.8.1.	0.1	0
132	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
133	Thermal conductivity of nanoporous bismuth thin films. Applied Physics Letters, 2004, 84, 1883-1885.	1.5	78
134	Theoretical phonon thermal conductivity of Si/Ge superlattice nanowires. Journal of Applied Physics, 2004, 95, 682-693.	1.1	369
135	Enhancement of electronic conductivity of LiAl0.3Co0.7O2 via Mg doping. Journal of Materials Science Letters, 2003, 22, 1183-1184.	0.5	1
136	Thermal Conductivity Reduction of SiGe Nanocomposites. Materials Research Society Symposia Proceedings, 2003, 793, 232.	0.1	0
137	Phonon Thermal Conductivity of Superlattice Nanowires for Thermoelectric Applications. Materials Research Society Symposia Proceedings, 2003, 793, 106.	0.1	10
138	Measurements of anisotropic thermoelectric properties in superlattices. Applied Physics Letters, 2002, 81, 3588-3590.	1.5	137
139	Heat Transfer in Nanostructures for Solid-State Energy Conversion. Journal of Heat Transfer, 2002, 124, 242-252.	1.2	211
140	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
141	Simultaneous measurements of Seebeck coefficient and thermal conductivity across superlattice. Applied Physics Letters, 2002, 80, 1758-1760.	1.5	117
142	Fabrication and modeling of an in-plane thermoelectric micro-generator. , 0, , .		3
143	Thermal conductivity of periodically microporous silicon membranes. , 0, , .		0
144	Quantum and classical size effects on thermoelectric transport in Si/Ge superlattices. , 0, , .		0

#	Article	IF	Citations
145	Improvements of on-membrane method for thin-film thermal conductivity and emissivity measurements. , 0, , .		9
146	Thermal conductivity reduction mechanisms in superlattices. , 0, , .		5
147	Nanoscale heat transfer and nanostructured thermoelectrics - Keynote Speaker. , 0, , .		3