Yuan Deng

List of Publications by Year
in descending order

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209	7,165	57631	82410
papers	citations	44 h-index	72 g-index

212	212	212	7361
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Giant Dielectric Permittivity Observed in Li and Ti Doped NiO. Physical Review Letters, 2002, 89, 217601.	2.9	640
2	High-performance photovoltaic-thermoelectric hybrid power generation system with optimized thermal management. Energy, 2016, 100, 91-101.	4.5	147
3	Enhanced Dielectric Properties of Ferroelectric Polymer Composites Induced by Metal-Semiconductor Zn-ZnO Coreâ€“Shell Structure. ACS Applied Materials & Interfaces, 2012, 4, 65-68.	4.0	146
4	Specialization of phonological and semantic processing in Chinese word reading. Brain Research, 2006, 1071, 197-207.	1.1	140
5	Effects of a miR-31,Runx2, andSatb2Regulatory Loop on the Osteogenic Differentiation of Bone Mesenchymal Stem Cells. Stem Cells and Development, 2013, 22, 2278-2286.	1.1	136
6	Coreâ€“shell structured BaTiO3@Al2O3 nanoparticles in polymer composites for dielectric loss suppression and breakdown strength enhancement. Composites Part A: Applied Science and Manufacturing, 2017, 93, 137-143.	3.8	136
7	Fabrication of radial ZnO nanowire clusters and radial ZnO/PVDF composites with enhanced dielectric properties. Advanced Functional Materials, 2008, 18, 2584-2592.	7.8	135
8	Self-powered wearable pressure sensing system for continuous healthcare monitoring enabled by flexible thin-film thermoelectric generator. Nano Energy, 2020, 73, 104773.	8.2	135
9	Enhanced performance of solar-driven photovoltaicâ€“thermoelectric hybrid system in an integrated design. Solar Energy, 2013, 88, 182-191.	2.9	119
10	The role of miR-31-modified adipose tissue-derived stem cells in repairing rat critical-sized calvarial defects. Biomaterials, 2013, 34, 6717-6728.	5.7	115
11	Semiconductor glass with superior flexibility and high room temperature thermoelectric performance. Science Advances, 2020, 6, eaaz8423.	4.7	108
12	High-performance flexible Bi2Te3 films based wearable thermoelectric generator for energy harvesting. Energy, 2019, 175, 292-299.	4.5	104
13	Self-organized Synthesis of Silver Chainlike and Dendritic Nanostructures via a Solvothermal Method. Chemistry of Materials, 2003, 15, 4436-4441.	3.2	99
14	Green, Rapid, and Universal Preparation Approach of Graphene Quantum Dots under Ultraviolet Irradiation. ACS Applied Materials & Interfaces, 2017, 9, 14470-14477.	4.0	99
15	Emancipating Targetâ€Functionalized Carbon Dots from Autophagy Vesicles for a Novel Visualized Tumor Therapy. Advanced Functional Materials, 2018, 28, 1800881.	7.8	97
16	Flexible 3D Architectured Piezo/Thermoelectric Bimodal Tactile Sensor Array for Eâ€Skin Application. Advanced Energy Materials, 2020, 10, 2001945.	10.2	96
17	MicroRNAs Regulate Bone Development and Regeneration. International Journal of Molecular Sciences, 2015, 16, 8227-8253.	1.8	95
18	Solvothermal preparation and characterization of nanocrystalline Bi 2 Te 3 powder with different morphology. Journal of Physics and Chemistry of Solids, 2002, 63, 2119-2121.	1.9	91

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19	Effects of interfaces between adjacent layers on breakdown strength and energy density in sandwich-structured polymer composites. Composites Science and Technology, 2017, 145, 71-77.	3.8	91
20	Significantly Enhanced Dielectric Performances and High Thermal Conductivity in Poly(vinylidene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Applied Materials & Interfaces, 2017, 9, 44839-44846.	4.0	86
21	A novel self-powered wireless temperature sensor based on thermoelectric generators. Energy Conversion and Management, 2014, 80, 110-116.	4.4	85
22	Organic-assisted growth of bismuth telluride nanocrystals. Chemical Physics Letters, 2003, 374, 410-415.	1.2	82
23	Bi2S3â€“BaTiO3/PVDF three-phase composites with high dielectric permittivity. Journal of Materials Chemistry, 2009, 19, 2058.	6.7	75
24	Enhancing thermoelectric properties of Sb 2 Te 3 flexible thin film through microstructure control and crystal preferential orientation engineering. Applied Surface Science, 2017, 414, 197-204.	3.1	71
25	Light-concentrated solar generator and sensor based on flexible thin-film thermoelectric device. Nano Energy, 2017, 34, 463-471.	8.2	69
26	A flexible active dual-parameter sensor for sensitive temperature and physiological signal monitoring via integrating thermoelectric and piezoelectric conversion. Journal of Materials Chemistry A, 2019, 7, 8258-8267.	5.2	68
27	Developmental differences of neurocognitive networks for phonological and semantic processing in Chinese word reading. Human Brain Mapping, 2009, 30, 797-809.	1.9	67
28	High thermoelectric performance of solid solutions CuGa1â^'xInxTe2 (xâ€‰=â€‰0â€“1.0). Applied Physics Letters, 2012, 100, .	1.5	66
29	Polymer-based nanocomposites employing Bi2S3@SiO2 nanorods for high dielectric performance: Understanding the role of interfacial polarization in semiconductor-insulator core-shell nanostructure. Composites Science and Technology, 2017, 151, 25-33.	3.8	66
30	Recyclable, Healable, and Stretchable Highâ€Power Thermoelectric Generator. Advanced Energy Materials, 2021, 11, 2100920.	10.2	65
31	Growth and transport properties of oriented bismuth telluride films. Journal of Alloys and Compounds, 2011, 509, 5683-5687.	2.8	62
32	Uniform distribution of low content BaTiO₃ nanoparticles in poly(vinylidene fluoride) nanocomposite: toward high dielectric breakdown strength and energy storage density. RSC Advances, 2015, 5, 72090-72098.	1.7	62
33	Neural signatures of phonological deficits in Chinese developmental dyslexia. NeuroImage, 2017, 146, 301-311.	2.1	61
34	A New Graphene Derivative: Hydroxylated Graphene with Excellent Biocompatibility. ACS Applied Materials & Interfaces, 2016, 8, 10226-10233.	4.0	59
35	Anisotropy Controlâ€“Induced Unique Anisotropic Thermoelectric Performance in the nâ€Type Bi₂Te_{2.7}Se_{0.3} Thin Films. Small Methods, 2019, 3, 1900582.	4.6	58
36	Ordered structure and high thermoelectric properties of Bi2(Te,Se)3 nanowire array. Nano Energy, 2014, 3, 144-151.	8.2	57

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37	3D geometrically structured PANI/CNT-decorated polydimethylsiloxane active pressure and temperature dual-parameter sensors for manâ€“machine interaction applications. Journal of Materials Chemistry A, 2020, 8, 15167-15176.	5.2	55
38	Enhanced through-plane thermal conductivity and high electrical insulation of flexible composite films with aligned boron nitride for thermal interface material. Composites Part A: Applied Science and Manufacturing, 2019, 127, 105654.	3.8	54
39	Bi_{0.5}Sb_{1.5}Te₃-based films for flexible thermoelectric devices. Journal of Materials Chemistry A, 2020, 8, 4552-4561.	5.2	53
40	Ligand-assisted control growth of chainlike nanocrystals. Chemical Physics Letters, 2003, 368, 639-643.	1.2	52
41	A novel thermoelectric harvester based on high-performance phase change material for space application. Applied Energy, 2017, 206, 1194-1202.	5.1	52
42	The effect of (00l) crystal plane orientation on the thermoelectric properties of Bi2Te3 thin film. Solid State Communications, 2011, 151, 1520-1523.	0.9	51
43	Finite element analysis of miniature thermoelectric coolers with high cooling performance and short response time. Microelectronics Journal, 2013, 44, 860-868.	1.1	50
44	Insulin-like growth factor 1 promotes the proliferation and adipogenesis of orbital adipose-derived stromal cells in thyroid-associated ophthalmopathy. Experimental Eye Research, 2013, 107, 65-73.	1.2	48
45	Imaging Cellular Aerobic Glycolysis using Carbon Dots for Early Warning of Tumorigenesis. Advanced Materials, 2021, 33, e2005096.	11.1	48
46	Enhanced thermal conductivity and mechanical property of flexible poly (vinylidene fluoride)/boron nitride/graphite nanoplatelets insulation films with high breakdown strength and reliability. Composites Science and Technology, 2018, 168, 381-387.	3.8	47
47	fMRI evidence for the automatic phonological activation of briefly presented words. Cognitive Brain Research, 2004, 20, 156-164.	3.3	45
48	A novel approach to Bi2Te3 nanorods by controlling oriented attachment. Chemical Physics Letters, 2004, 383, 572-576.	1.2	45
49	Modality- and Task-specific Brain Regions Involved in Chinese Lexical Processing. Journal of Cognitive Neuroscience, 2009, 21, 1473-1487.	1.1	45
50	Enhancing thermoelectric performance of SnTe via nanostructuring particle size. Journal of Alloys and Compounds, 2017, 709, 575-580.	2.8	44
51	Towards high integration and power density: Zigzag-type thin-film thermoelectric generator assisted by rapid pulse laser patterning technique. Applied Energy, 2020, 275, 115404.	5.1	43
52	Fabrication of bismuth telluride nanotubes via a simple solvothermal process. Solid State Communications, 2006, 138, 111-113.	0.9	42
53	Thin-film solar thermoelectric generator with enhanced power output: Integrated optimization design to obtain directional heat flow. Energy, 2015, 89, 106-117.	4.5	42
54	Item-specific and generalization effects on brain activation when learning Chinese characters. Neuropsychologia, 2008, 46, 1864-1876.	0.7	40

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55	Hierarchical Bi–Te based flexible thin-film solar thermoelectric generator with light sensing feature. Energy Conversion and Management, 2015, 106, 1192-1200.	4.4	40
56	Enhanced Interfacial Adhesion and Thermal Stability in Bismuth Telluride/Nickel/Copper Multilayer Films with Low Electrical Contact Resistance. Advanced Materials Interfaces, 2018, 5, 1801279.	1.9	40
57	Enhanced Antioxidation and Thermoelectric Properties of the Flexible Screen-Printed Bi₂Te₃ Films through Interface Modification. ACS Applied Energy Materials, 2019, 2, 2828-2836.	2.5	39
58	Preferential growth transformation of Bi0.5Sb1.5Te3 films induced by facile post-annealing process: Enhanced thermoelectric performance with layered structure. Thin Solid Films, 2014, 556, 270-276.	0.8	37
59	Oriented growth of A2Te3 (A = Sb, Bi) films and their devices with enhanced thermoelectric performance. Sensors and Actuators A: Physical, 2011, 171, 252-259.	2.0	36
60	Poly(vinylidene fluoride)-Based composites modulated via multiscale two-dimensional fillers for high dielectric performances. Composites Science and Technology, 2018, 159, 162-170.	3.8	36
61	Synergistic Texturing and Bi/Sb–Te Antisite Doping Secure High Thermoelectric Performance in Bi_{0.5}Sb_{1.5}Te₃–Based Thin Films. Advanced Energy Materials, 2021, 11, 2102578.	10.2	35
62	Excellent dielectric properties of anisotropic polymer composites filled with parallel aligned zinc flakes. Applied Physics Letters, 2012, 101, .	1.5	34
63	Towards high refrigeration capability: the controllable structure of hierarchical Bi_{0.5}Sb_{1.5}Te₃ flakes on a metal electrode. Physical Chemistry Chemical Physics, 2015, 17, 6809-6818.	1.3	34
64	Conditioned Medium from Bone Marrow Mesenchymal Stem Cells Transiently Retards Osteoblast Differentiation by Downregulating Runx2. Cells Tissues Organs, 2012, 196, 510-522.	1.3	33
65	Single–Crystalline ZnO Nanowire Bundles: Synthesis, Mechanism and Their Application in Dielectric Composites. Chemistry - A European Journal, 2010, 16, 10220-10225.	1.7	32
66	Design, fabrication and numerical analysis of compact thermal management system integrated with composite phase change material and thermal bridge. Energy Conversion and Management, 2018, 156, 25-33.	4.4	32
67	Facile Fabrication of Robust and Reusable PDMS Supported Graphene Dry Electrodes for Wearable Electrocardiogram Monitoring. Advanced Materials Technologies, 2021, 6, 2100262.	3.0	32
68	The preparation and conductivity properties of Li0.5La0.5TiO3/inactive second phase composites. Journal of Alloys and Compounds, 2009, 472, 456-460.	2.8	31
69	Template-free Synthesis and Transport Properties of Bi₂Te₃ Ordered Nanowire Arrays via a Physical Vapor Process. Crystal Growth and Design, 2009, 9, 3079-3082.	1.4	31
70	High thermoelectric performance of a defect in Î±-In₂Se₃-based solid solution upon substitution of Zn for In. Journal of Materials Chemistry C, 2015, 3, 9069-9075.	2.7	31
71	Highly (00l)-oriented Bi₂Te₃/Te heterostructure thin films with enhanced power factor. Nanoscale, 2018, 10, 20189-20195.	2.8	31
72	Preferential growth of Bi2Te3 films with a nanolayer structure: enhancement of thermoelectric properties induced by nanocrystal boundaries. Journal of Nanoparticle Research, 2012, 14, 1.	0.8	30

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73	Green, simple and large scale synthesis of N-doped graphene quantum dots with uniform edge groups by electrochemical bottom-up synthesis. RSC Advances, 2016, 6, 82648-82653.	1.7	30
74	Repair of Canine Medial Orbital Bone Defects With miR-31â€“Modified Bone Marrow Mesenchymal Stem Cells. , 2014, 55, 6016.		29
75	Structural and functional abnormality of the putamen in children with developmental dyslexia. Neuropsychologia, 2019, 130, 26-37.	0.7	29
76	Multiple Interfacial Modifications in Poly(vinylidene fluoride)/Barium Titanate Nanocomposites via Double-Shell Architecture for Significantly Enhanced Energy Storage Density. ACS Applied Energy Materials, 2019, 2, 5945-5953.	2.5	29
77	Flexible thermopower generation over broad temperature range by PANI/nanorod hybrid-based pâ€“n couples. Journal of Materials Chemistry A, 2019, 7, 1718-1724.	5.2	29
78	Design on polarization distribution in all-organic polymer hybrids for high density energy storage. Chemical Engineering Journal, 2020, 394, 125052.	6.6	29
79	Controllable Electrical Contact Resistance between Cu and Oriented-Bi₂Te₃ Film via Interface Tuning. ACS Applied Materials & Interfaces, 2017, 9, 25606-25614.	4.0	28
80	Individual Adjustment of Electrical Conductivity and Thermopower Enabled by Multiple Interfaces in Polyanilineâ€Based Ternary Hybrid Nanomaterials for High Thermoelectric Performances. Advanced Materials Interfaces, 2018, 5, 1701168.	1.9	28
81	Brain Mechanisms Underlying Visuo-Orthographic Deficits in Children With Developmental Dyslexia. Frontiers in Human Neuroscience, 2018, 12, 490.	1.0	28
82	Synergetic optimization of thermal conductivity and breakdown strength of boron nitride/poly (vinylidene fluoride) composite film with sandwich intercalated structure for heat management in flexible electronics. Composites Part A: Applied Science and Manufacturing, 2020, 135, 105933.	3.8	28
83	Combined effects of Bi deficiency and Mn substitution on the structural transformation and functionality of BiFeO3 films. Journal of Applied Physics, 2014, 116, .	1.1	27
84	Highâ€performance Stretchable Organic Thermoelectric Generator via Rational Thermal Interface Design for Wearable Electronics. Advanced Energy Materials, 2022, 12, .	10.2	27
85	Self-organized formation of chainlike silver nanostructure with fractal geometry. Chemical Physics Letters, 2003, 367, 512-515.	1.2	26
86	Heterogeneous flammulina velutipes-like CdTe/TiO2 nanorod array: A promising composite nanostructure for solar cell application. Journal of Alloys and Compounds, 2012, 517, 192-197.	2.8	26
87	Improved thermoelectric performance of a film device induced by densely columnar Cu electrode. Energy, 2014, 70, 143-148.	4.5	26
88	Exosome-Mediated Genetic Information Transfer, a Missing Piece of Osteoblastâ€“Osteoclast Communication Puzzle. Frontiers in Endocrinology, 2017, 8, 336.	1.5	26
89	Recent development and application of thin-film thermoelectric cooler. Frontiers of Chemical Science and Engineering, 2020, 14, 492-503.	2.3	26
90	Solvothermal synthesis of porous tellurium nanotubes. Chemical Physics Letters, 2003, 372, 590-594.	1.2	25

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91	Synthesis and red-shifted photoluminescence of single-crystalline ZnO nanowires. Journal of Luminescence, 2009, 129, 55-58.	1.5	25
92	Bandgap reduction responsible for the improved thermoelectric performance of bulk polycrystalline In2â€“xCuxSe3 (xâ€‰=â€‰0â^'0.2). Journal of Applied Physics, 2011, 110, 023708.	1.1	25
93	Enhanced dielectric properties of polypropylene based composite using Bi2S3 nanorod filler. Progress in Natural Science: Materials International, 2011, 21, 216-220.	1.8	25
94	High dielectric properties in a three-phase polymer composite induced by a parallel structure. Materials Chemistry and Physics, 2013, 139, 865-870.	2.0	25
95	Double enhanced energy storage density via polarization gradient design in ferroelectric poly(vinylidene fluoride)-based nanocomposites. Chemical Engineering Journal, 2021, 411, 128585.	6.6	25
96	One-dimensional oriented microcapacitors in ternary polymer nanocomposites: Toward high breakdown strength and suppressed loss. Materials and Design, 2018, 140, 114-122.	3.3	25
97	Recycling of asbestos tailings used as reinforcing fillers in polypropylene based composites. Journal of Hazardous Materials, 2014, 270, 137-143.	6.5	24
98	Green and Mild Oxidation: An Efficient Strategy toward Water-Dispersible Graphene. ACS Applied Materials & Interfaces, 2017, 9, 2856-2866.	4.0	24
99	Multi-parameter optimization design of thermoelectric harvester based on phase change material for space generation. Applied Energy, 2018, 228, 873-880.	5.1	24
100	High ZT and performance controllable thermoelectric devices based on electrically gated bismuth telluride thin films. Nano Energy, 2021, 89, 106472.	8.2	24
101	High-integration and high-performance micro thermoelectric generator by femtosecond laser direct writing for self-powered IoT devices. Nano Energy, 2022, 93, 106818.	8.2	24
102	Enhancement of thermoelectric properties induced by oriented nanolayer in Bi2Te2.7Se0.3 columnar films. Materials Chemistry and Physics, 2014, 146, 153-158.	2.0	23
103	Optimization of bone drilling process based on finite element analysis. Applied Thermal Engineering, 2016, 108, 211-220.	3.0	23
104	Enhanced electrical conductivity and reliability for flexible copper thin-film electrode by introducing aluminum buffer layer. Materials and Design, 2017, 116, 524-530.	3.3	23
105	In situ crystal-amorphous compositing inducing ultrahigh thermoelectric performance of p-type Bi0.5Sb1.5Te3 hybrid thin films. Nano Energy, 2020, 78, 105379.	8.2	23
106	Top-Down Modulations from Dorsal Stream in Lexical Recognition: An Effective Connectivity fMRI Study. PLoS ONE, 2012, 7, e33337.	1.1	23
107	Kirigamiâ€Based Stretchable, Deformable, Ultralight Thinâ€Film Thermoelectric Generator for BodyNET Application. Advanced Energy Materials, 2022, 12, .	10.2	23
108	Magnocellular-dorsal pathway function is associated with orthographic but not phonological skill: fMRI evidence from skilled Chinese readers. Neuropsychologia, 2015, 71, 84-90.	0.7	22

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109	Significantly enhanced thermoelectric performance in SWCNT films via carrier tuning for high power generation. Carbon, 2020, 158, 802-807.	5.4	22
110	Enhanced Electrical Transport Properties via Defect Control for Screen-Printed Bi₂Te₃ Films over a Wide Temperature Range. ACS Applied Materials & Interfaces, 2020, 12, 16630-16638.	4.0	22
111	High-sensitivity self-powered temperature/pressure sensor based on flexible Bi-Te thermoelectric film and porous microconed elastomer. Journal of Materials Science and Technology, 2022, 103, 1-7.	5.6	22
112	Neural basis of phonological processing in second language reading: An fMRI study of Chinese regularity effect. NeuroImage, 2012, 60, 419-425.	2.1	21
113	Fabrication of Highly (0ÂÔÂl)-Textured Sb2Te3 Film and Corresponding Thermoelectric Device with Enhanced Performance. Journal of Electronic Materials, 2012, 41, 3031-3038.	1.0	21
114	Enhanced Thermoelectric Properties and Superlattice Structure of a Bi₂Te₃/ZrB₂ Film Prepared by Ion-Beam-Assisted Deposition. Journal of Physical Chemistry C, 2013, 117, 20415-20420.	1.5	21
115	Enhanced thermoelectric performance of SnTe thin film through designing oriented nanopillar structure. Journal of Alloys and Compounds, 2018, 737, 167-173.	2.8	21
116	Site occupations of Zn in AgInSe₂-based chalcopyrites responsible for modified structures and significantly improved thermoelectric performance. RSC Advances, 2014, 4, 33897-33904.	1.7	20
117	Fabrication and growth mechanism of zinc blende and wurtzite CdTe nanowire arrays with different photoelectric properties. CrystEngComm, 2012, 14, 7922.	1.3	19
118	Enhanced thermoelectric properties and layered structure of Sb2Te3 films induced by special (00l) crystal plane. Chemical Physics Letters, 2013, 584, 159-164.	1.2	19
119	Enhanced dielectric properties of low density polyethylene with bismuth sulfide used as inorganic filler. Materials Letters, 2010, 64, 528-530.	1.3	18
120	In Vitro Osteogenic Induction of Bone Marrow Stromal Cells with Encapsulated Gene-Modified Bone Marrow Stromal Cells and In Vivo Implantation for Orbital Bone Repair. Tissue Engineering - Part A, 2014, 20, 2019-2029.	1.6	18
121	Synergistic photovoltaicâ€“thermoelectric effect in a nanostructured CdTe/Bi₂Te₃ heterojunction for hybrid energy harvesting. RSC Advances, 2016, 6, 114046-114051.	1.7	18
122	Flexible carbon nanotube-enriched silver electrode films with high electrical conductivity and reliability prepared by facile screen printing. Journal of Materials Science and Technology, 2017, 33, 1113-1119.	5.6	18
123	High thermoelectric properties of (Sb, Bi)2Te3 nanowire arrays by tilt-structure engineering. Applied Surface Science, 2018, 443, 11-17.	3.1	18
124	The Involvement of Occipital and Inferior Frontal Cortex in the Phonological Learning of Chinese Characters. Journal of Cognitive Neuroscience, 2011, 23, 1998-2012.	1.1	17
125	Poly(vinylidene fluoride)-based nanocomposite employing oriented Bi2S3 nanorods with double-shell structure for high dielectric performance and loss suppression. Composites Science and Technology, 2019, 171, 118-126.	3.8	17
126	High-Sensitivity Flexible Pressure Sensor With Low Working Voltage Based on Sphenoid Microstructure. IEEE Sensors Journal, 2020, 20, 7354-7361.	2.4	17

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127	Unique hierarchical structure and high thermoelectric properties of antimony telluride pillar arrays. Journal of Nanoparticle Research, 2012, 14, 1.	0.8	16
128	Enhanced dielectric performances of polypropylene films via polarity adjustment by maleic anhydrideâ€grafted polypropylene. Journal of Applied Polymer Science, 2017, 134, 45029.	1.3	16
129	A facile way to fabricate novel 2â€“3-type composites based on zinc powders and polyvinylidene fluoride with enhanced dielectric properties. Composites Part A: Applied Science and Manufacturing, 2012, 43, 842-846.	3.8	15
130	An effective thermal treatment strategy for thermoelectric performance enhancement in PANI/Te nanorod hybrid film. Materials Letters, 2018, 229, 293-296.	1.3	15
131	Design and performance of compact thermoelectric generators based on the extended three-dimensional thermal contact interface. Energy Conversion and Management, 2015, 106, 110-117.	4.4	14
132	Automatic semantic influence on early visual word recognition in the ventral occipito-temporal cortex. Neuropsychologia, 2019, 133, 107188.	0.7	14
133	Independent growth of CdTe nanorod arrays on different substrates with enhanced photoelectrical property. Journal of Nanoparticle Research, 2012, 14, 1.	0.8	13
134	Risk factors for the development of metachronous bone metastasis in colorectal cancer patients after curative resection. International Journal of Surgery, 2015, 21, 145-149.	1.1	13
135	Bi₂S₃/poly(vinylidene fluoride) composite with high dielectric constant and unusual low dielectric loss based on preferentially oriented fillers. RSC Advances, 2015, 5, 96258-96264.	1.7	13
136	Strainâ€Induced Surface Micro/Nanosphere Structure: A New Technique to Design Mechanically Robust Superhydrophobic Surfaces with Rose Petalâ€Like Morphology. Advanced Materials Interfaces, 2017, 4, 1700497.	1.9	13
137	Growth and Transport Properties of Layered Bismuth Telluride Thin Films <I>via</I> Radio Frequency Magnetron Sputtering. Wuji Cailiao Xuebao/Journal of Inorganic Materials, 2011, 26, 555-560.	0.6	13
138	Rapid Selective Ablation and High-Precision Patterning for Micro-Thermoelectric Devices Using Femtosecond Laser Directing Writing. ACS Applied Materials & Interfaces, 2022, 14, 3066-3075.	4.0	13
139	Bi2Te3â€“Te nanocomposite formed by epitaxial growth of Bi2Te3 sheets on Te rod. Journal of Solid State Chemistry, 2006, 179, 1575-1580.	1.4	12
140	Facile synthesis of preferential Bi0.5Sb1.5Te3.0 nanolayered thin films with high power factor by the controllable layer thickness. Journal of Nanoparticle Research, 2013, 15, 1.	0.8	12
141	Multilayered structure and enhanced thermoelectric properties of Bi_{1.5} Sb_{0.5} Te₃ film with preferential growth. Physica Status Solidi (A) Applications and Materials Science, 2013, 210, 2611-2616.	0.8	12
142	Scalable solution assembly of nanosheets into high-performance flexible Bi0.5Sb1.5Te3 thin films for thermoelectric energy conversion. Journal of Nanoparticle Research, 2014, 16, 1.	0.8	12
143	An overview of thermoelectric films: Fabrication techniques, classification, and regulation methods. Chinese Physics B, 2018, 27, 047210.	0.7	12
144	Synergistic effect between ordered Bi2Te2.7Se0.3 pillar array and layered Ag electrode for remarkably enhancing thermoelectric device performance. Energy, 2014, 77, 591-596.	4.5	10

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145	Repair of orbital bone defects in canines using grafts of enriched autologous bone marrow stromal cells. Journal of Translational Medicine, 2014, 12, 123.	1.8	10
146	Tilt-structure and high-performance of hierarchical Bi1.5Sb0.5Te3 nanopillar arrays. Scientific Reports, 2018, 8, 6384.	1.6	10
147	Repair of Calvarial Bone Defect Using Jarid1a-Knockdown Bone Mesenchymal Stem Cells in Rats. Tissue Engineering - Part A, 2018, 24, 711-718.	1.6	10
148	Enhanced Interface Stability of Multilayer Bi₂Te₃/Ti/Cu Films after Heat Treatment via the Insertion of a Ti Layer. Advanced Materials Interfaces, 2019, 6, 1900682.	1.9	10
149	Construction of Coreâ€“Shell Nanowire Arrays in a Cuâ€“Cu2O Film Electrode for High Efficiency in Heat Dissipation. ACS Applied Materials & Interfaces, 2020, 12, 3836-3846.	4.0	10
150	High-efficient heat flux manipulation of micro-scale thermal metamaterials with facile functional unit design. Materials and Design, 2021, 204, 109657.	3.3	10
151	Hydrothermal growth and characterization of La(OH)3 nanorods and nanocables with Ni(OH)2 coating. Journal of Physics and Chemistry of Solids, 2003, 64, 607-610.	1.9	9
152	Improved performance of thermoelectric micro-device by integrating a layered Bi2Te3 film. Thin Solid Films, 2013, 548, 526-532.	0.8	9
153	Bi deficiency-tuned functionality in multiferroic Bi1-ÎFe0.95Mn0.05O3 films. Scientific Reports, 2016, 6, 19385.	1.6	9
154	Enhanced Pool Boiling Performance of Microchannel Patterned Surface with Extremely Low Wall Superheat through Capillary Feeding of Liquid. Nanoscale and Microscale Thermophysical Engineering, 2020, 24, 66-79.	1.4	9
155	Structure induced wide range wettability: Controlled surface of micro-nano/nano structured copper films for enhanced interface. Journal of Materials Science and Technology, 2021, 84, 147-158.	5.6	9
156	Unimodal and multimodal regions for logographic language processing in left ventral occipitotemporal cortex. Frontiers in Human Neuroscience, 2013, 7, 619.	1.0	8
157	Novel Ag nanowire array with high electrical conductivity and fast heat transfer behavior as the electrode for film devices. Journal of Alloys and Compounds, 2017, 701, 49-54.	2.8	8
158	Bone-Derived Extracellular Vesicles: Novel Players of Interorgan Crosstalk. Frontiers in Endocrinology, 2019, 10, 846.	1.5	8
159	Solvothermal preparation and thermoelectric properties of ternary Snâ€“Biâ€“Te alloy. Physica Status Solidi A, 2003, 199, 265-271.	1.7	7
160	Wearable Respiration Sensor for Continuous Healthcare Monitoring Using a Microâ€Thermoelectric Generator with Rapid Response Time and Chipâ€Level Design. Advanced Materials Technologies, 2022, 7, .	3.0	7
161	Low temperature preparation and transport properties of ternary Pbâ€“Biâ€“Te alloy. Journal of Alloys and Compounds, 2003, 350, 271-274.	2.8	6
162	Enhanced adhesion and conductivity of Cu electrode on AlN substrate for thin film thermoelectric device. Functional Materials Letters, 2015, 08, 1550032.	0.7	6

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164	Construction of a 3D porous network of copper film via a template-free deposition method with superior mechanical and electrical properties for micro-energy devices. Materials Research Express, 2016, 3, 085014.	0.8	6
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