

# Yuan Deng

## List of Publications by Year in descending order

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209  
papers

7,165  
citations

57631

44  
h-index

82410

72  
g-index

212  
all docs

212  
docs citations

212  
times ranked

7361  
citing authors

#	ARTICLE	IF	CITATIONS
1	N-type core-shell heterostructured Bi <sub>2</sub> S <sub>3</sub> @Bi nanorods/polyaniline hybrids for stretchable thermoelectric generator. Chinese Physics B, 2022, 31, 028204.	0.7	6
2	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
3	High-performance Stretchable Organic Thermoelectric Generator via Rational Thermal Interface Design for Wearable Electronics. Advanced Energy Materials, 2022, 12, .	10.2	27
4	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
5	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
6	Kirigami-Based Stretchable, Deformable, Ultralight Thin-Film Thermoelectric Generator for BodyNET Application (Adv. Energy Mater. 5/2022). Advanced Energy Materials, 2022, 12, .	10.2	2
7	Wearable Respiration Sensor for Continuous Healthcare Monitoring Using a Micro-Thermoelectric Generator with Rapid Response Time and Chip-Level Design. Advanced Materials Technologies, 2022, 7, .	3.0	7
8	Toward Reduced Interface Contact Resistance: Controllable Surface Energy of Sb <sub>2</sub> Te <sub>3</sub> Films via Tuning the Crystallization and Orientation. ACS Applied Materials & Interfaces, 2022, 14, 10955-10965.	4.0	5
9	High Interfacial Thermal Stability of Flexible Flake-Structured Aluminum Thin-Film Electrodes for Bi <sub>2</sub> Te <sub>3</sub> -Based Thermoelectric Devices. ACS Applied Materials & Interfaces, 2022, 14, 12920-12926.	4.0	5
10	Kirigami-Based Stretchable, Deformable, Ultralight Thin-Film Thermoelectric Generator for BodyNET Application. Advanced Energy Materials, 2022, 12, .	10.2	23
11	Greater Similarity Between L1 and L2's Brain Network in Adults Than in Children. Frontiers in Neuroscience, 2022, 16, 816729.	1.4	0
12	A Thin-Film Thermal Meta-Device With Dual Function of Thermal Shield and Generation Based on an Artificially Tilted Structure. Frontiers in Physics, 2022, 10, .	1.0	0
13	Imaging Cellular Aerobic Glycolysis using Carbon Dots for Early Warning of Tumorigenesis. Advanced Materials, 2021, 33, e2005096.	11.1	48
14	Structural control for high performance Bi <sub>2</sub> Te <sub>3</sub> and Bi <sub>2</sub> Se <sub>3</sub> thermoelectric thin films. Wuli Xuebao/Acta Physica Sinica, 2021, 70, 207303.	0.2	0
15	Design on orientation of one-dimensional ZnO/P(VDF-HFP) nanocomposites for significant enhanced electromechanical conversion. Composites Science and Technology, 2021, 204, 108635.	3.8	5
16	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
17	Recyclable, Healable, and Stretchable High-Power Thermoelectric Generator. Advanced Energy Materials, 2021, 11, 2100920.	10.2	65
18	High-efficient heat flux manipulation of micro-scale thermal metamaterials with facile functional unit design. Materials and Design, 2021, 204, 109657.	3.3	10

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19	Facile Fabrication of Robust and Reusable PDMS Supported Graphene Dry Electrodes for Wearable Electrocardiogram Monitoring. <i>Advanced Materials Technologies</i> , 2021, 6, 2100262.	3.0	32
20	Synergistic Texturing and Bi/Sb <sub>0.5</sub> Te Antisite Doping Secure High Thermoelectric Performance in Bi <sub>0.5</sub> Sb <sub>1.5</sub> Te <sub>3</sub> -Based Thin Films. <i>Advanced Energy Materials</i> , 2021, 11, 2102578.	10.2	35
21	Structure induced wide range wettability: Controlled surface of micro-nano/nano structured copper films for enhanced interface. <i>Journal of Materials Science and Technology</i> , 2021, 84, 147-158.	5.6	9
22	High ZT and performance controllable thermoelectric devices based on electrically gated bismuth telluride thin films. <i>Nano Energy</i> , 2021, 89, 106472.	8.2	24
23	Recent development and application of thin-film thermoelectric cooler. <i>Frontiers of Chemical Science and Engineering</i> , 2020, 14, 492-503.	2.3	26
24	Construction of Core-Shell Nanowire Arrays in a Cu <sub>2</sub> O Film Electrode for High Efficiency in Heat Dissipation. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 3836-3846.	4.0	10
25	The Effects of Intraoperative Tarsorrhaphy on Conjunctival Chemosis During Orbital Fracture Repair Surgery. <i>Journal of Craniofacial Surgery</i> , 2020, 31, 204-206.	0.3	1
26	Significantly enhanced thermoelectric performance in SWCNT films via carrier tuning for high power generation. <i>Carbon</i> , 2020, 158, 802-807.	5.4	22
27	In situ crystal-amorphous compositing inducing ultrahigh thermoelectric performance of p-type Bi <sub>0.5</sub> Sb <sub>1.5</sub> Te <sub>3</sub> hybrid thin films. <i>Nano Energy</i> , 2020, 78, 105379.	8.2	23
28	3D geometrically structured PANI/CNT-decorated polydimethylsiloxane active pressure and temperature dual-parameter sensors for man-machine interaction applications. <i>Journal of Materials Chemistry A</i> , 2020, 8, 15167-15176.	5.2	55
29	Towards high integration and power density: Zigzag-type thin-film thermoelectric generator assisted by rapid pulse laser patterning technique. <i>Applied Energy</i> , 2020, 275, 115404.	5.1	43
30	Flexible 3D Architected Piezo/Thermoelectric Bimodal Tactile Sensor Array for e-Skin Application. <i>Advanced Energy Materials</i> , 2020, 10, 2001945.	10.2	96
31	Approaching high-performance of ordered structure Sb <sub>2</sub> Te <sub>3</sub> film via unique angular intraplanar grain boundaries. <i>Scientific Reports</i> , 2020, 10, 5978.	1.6	6
32	Adaptive Deformation of Ionic Domains in Hydrogel Enforcing Dielectric Coupling for Sensitive Response to Mechanical Stretching. <i>Advanced Intelligent Systems</i> , 2020, 2, 2000016.	3.3	0
33	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. <i>Composites Part A: Applied Science and Manufacturing</i> , 2020, 135, 105933.	3.8	28
34	Enhanced Electrical Transport Properties via Defect Control for Screen-Printed Bi <sub>2</sub> Te <sub>3</sub> Films over a Wide Temperature Range. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 16630-16638.	4.0	22
35	High-Sensitivity Flexible Pressure Sensor With Low Working Voltage Based on Sphenoid Microstructure. <i>IEEE Sensors Journal</i> , 2020, 20, 7354-7361.	2.4	17
36	Bi <sub>0.5</sub> Sb <sub>1.5</sub> Te <sub>3</sub> -based films for flexible thermoelectric devices. <i>Journal of Materials Chemistry A</i> , 2020, 8, 4552-4561.	5.2	53

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37	Design on polarization distribution in all-organic polymer hybrids for high density energy storage. <i>Chemical Engineering Journal</i> , 2020, 394, 125052.	6.6	29
38	Self-powered wearable pressure sensing system for continuous healthcare monitoring enabled by flexible thin-film thermoelectric generator. <i>Nano Energy</i> , 2020, 73, 104773.	8.2	135
39	Semiconductor glass with superior flexibility and high room temperature thermoelectric performance. <i>Science Advances</i> , 2020, 6, eaaz8423.	4.7	108
40	Enhanced Pool Boiling Performance of Microchannel Patterned Surface with Extremely Low Wall Superheat through Capillary Feeding of Liquid. <i>Nanoscale and Microscale Thermophysical Engineering</i> , 2020, 24, 66-79.	1.4	9
41	Structural and functional abnormality of the putamen in children with developmental dyslexia. <i>Neuropsychologia</i> , 2019, 130, 26-37.	0.7	29
42	Enhanced Interface Stability of Multilayer Bi <sub>2</sub> Te <sub>3</sub> /Ti/Cu Films after Heat Treatment via the Insertion of a Ti Layer. <i>Advanced Materials Interfaces</i> , 2019, 6, 1900682.	1.9	10
43	Multiple Interfacial Modifications in Poly(vinylidene fluoride)/Barium Titanate Nanocomposites via Double-Shell Architecture for Significantly Enhanced Energy Storage Density. <i>ACS Applied Energy Materials</i> , 2019, 2, 5945-5953.	2.5	29
44	Tunable control of extremely concentrated heat flux through a thermal manipulator. <i>Journal of Applied Physics</i> , 2019, 126, 135110.	1.1	1
45	Anisotropy Control-Induced Unique Anisotropic Thermoelectric Performance in the n-Type Bi <sub>2</sub> Te <sub>2.7</sub> Se <sub>0.3</sub> Thin Films. <i>Small Methods</i> , 2019, 3, 1900582.	4.6	58
46	Automatic semantic influence on early visual word recognition in the ventral occipito-temporal cortex. <i>Neuropsychologia</i> , 2019, 133, 107188.	0.7	14
47	Photo-Thermoelectric Thin-Film Generator and Sensor With Ultrahigh Output Voltage and Large Responsivity. <i>IEEE Electron Device Letters</i> , 2019, 40, 1832-1835.	2.2	4
48	Enhanced through-plane thermal conductivity and high electrical insulation of flexible composite films with aligned boron nitride for thermal interface material. <i>Composites Part A: Applied Science and Manufacturing</i> , 2019, 127, 105654.	3.8	54
49	Flexible thermopower generation over broad temperature range by PANI/nanorod hybrid-based p-n couples. <i>Journal of Materials Chemistry A</i> , 2019, 7, 1718-1724.	5.2	29
50	A flexible active dual-parameter sensor for sensitive temperature and physiological signal monitoring <i>via</i> integrating thermoelectric and piezoelectric conversion. <i>Journal of Materials Chemistry A</i> , 2019, 7, 8258-8267.	5.2	68
51	High-performance flexible Bi <sub>2</sub> Te <sub>3</sub> films based wearable thermoelectric generator for energy harvesting. <i>Energy</i> , 2019, 175, 292-299.	4.5	104
52	Enhanced Antioxidation and Thermoelectric Properties of the Flexible Screen-Printed Bi <sub>2</sub> Te <sub>3</sub> Films through Interface Modification. <i>ACS Applied Energy Materials</i> , 2019, 2, 2828-2836.	2.5	39
53	Bone-Derived Extracellular Vesicles: Novel Players of Interorgan Crosstalk. <i>Frontiers in Endocrinology</i> , 2019, 10, 846.	1.5	8
54	Poly(vinylidene fluoride)-based nanocomposite employing oriented Bi <sub>2</sub> S <sub>3</sub> nanorods with double-shell structure for high dielectric performance and loss suppression. <i>Composites Science and Technology</i> , 2019, 171, 118-126.	3.8	17

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55	Fabrication and electrical properties of Bi <sub>2-x</sub> Sb <sub>x</sub> Te <sub>3</sub> ternary nanopillars array films. <i>Ceramics International</i> , 2019, 45, 3244-3249.	2.3	5
56	Poly(vinylidene fluoride)-Based composites modulated via multiscale two-dimensional fillers for high dielectric performances. <i>Composites Science and Technology</i> , 2018, 159, 162-170.	3.8	36
57	Early Tarsorrhaphy in Conjunctival Chemosis After Orbit Bone Reconstruction. <i>Journal of Craniofacial Surgery</i> , 2018, 29, e359-e362.	0.3	1
58	Exchange of genetic material: a new paradigm in bone cell communications. <i>Cellular and Molecular Life Sciences</i> , 2018, 75, 1989-1998.	2.4	4
59	High thermoelectric properties of (Sb, Bi) <sub>2</sub> Te <sub>3</sub> nanowire arrays by tilt-structure engineering. <i>Applied Surface Science</i> , 2018, 443, 11-17.	3.1	18
60	An overview of thermoelectric films: Fabrication techniques, classification, and regulation methods. <i>Chinese Physics B</i> , 2018, 27, 047210.	0.7	12
61	Effect of Working Pressure on the Structural and Thermoelectric Properties of Bismuth Telluride Thin Films Deposited by Magnetron Sputtering. <i>Springer Proceedings in Energy</i> , 2018, , 39-47.	0.2	0
62	Tilt-structure and high-performance of hierarchical Bi <sub>1.5</sub> Sb <sub>0.5</sub> Te <sub>3</sub> nanopillar arrays. <i>Scientific Reports</i> , 2018, 8, 6384.	1.6	10
63	Enhanced thermoelectric performance of SnTe film with optimized carrier transport induced by facile post-annealing process. <i>Materials Letters</i> , 2018, 221, 12-14.	1.3	1
64	Individual Adjustment of Electrical Conductivity and Thermopower Enabled by Multiple Interfaces in Polyaniline-Based Ternary Hybrid Nanomaterials for High Thermoelectric Performances. <i>Advanced Materials Interfaces</i> , 2018, 5, 1701168.	1.9	28
65	Improved dispersion of carbon nanotubes in poly(vinylidene fluoride) composites by hybrids with core-shell structure. <i>Journal of Applied Polymer Science</i> , 2018, 135, 45693.	1.3	4
66	Repair of Calvarial Bone Defect Using Jarid1a-Knockdown Bone Mesenchymal Stem Cells in Rats. <i>Tissue Engineering - Part A</i> , 2018, 24, 711-718.	1.6	10
67	Highly Conductive and Fatigue-Free Flexible Copper Film Electrode Fabricated by a Facile Dry Transfer Technique. <i>Advanced Materials Interfaces</i> , 2018, 5, 1701038.	1.9	4
68	Enhanced thermoelectric performance of SnTe thin film through designing oriented nanopillar structure. <i>Journal of Alloys and Compounds</i> , 2018, 737, 167-173.	2.8	21
69	Design, fabrication and numerical analysis of compact thermal management system integrated with composite phase change material and thermal bridge. <i>Energy Conversion and Management</i> , 2018, 156, 25-33.	4.4	32
70	Highly (00 <i>l</i> ) <sub>l</sub> -oriented Bi <sub>2</sub> Te <sub>3</sub> /Te heterostructure thin films with enhanced power factor. <i>Nanoscale</i> , 2018, 10, 20189-20195.	2.8	31
71	A Modified Pre-Auricular Approach in the Treatment of Orbital Zygomatic Maxillary Complex Fractures. <i>Journal of Craniofacial Surgery</i> , 2018, 29, 1893-1896.	0.3	2
72	Brain Mechanisms Underlying Visuo-Orthographic Deficits in Children With Developmental Dyslexia. <i>Frontiers in Human Neuroscience</i> , 2018, 12, 490.	1.0	28

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73	Enhanced Interfacial Adhesion and Thermal Stability in Bismuth Telluride/Nickel/Copper Multilayer Films with Low Electrical Contact Resistance. <i>Advanced Materials Interfaces</i> , 2018, 5, 1801279.	1.9	40
74	Enhanced thermal conductivity and mechanical property of flexible poly (vinylidene fluoride)/boron nitride/graphite nanoplatelets insulation films with high breakdown strength and reliability. <i>Composites Science and Technology</i> , 2018, 168, 381-387.	3.8	47
75	Emancipating Targeted Functionalized Carbon Dots from Autophagy Vesicles for a Novel Visualized Tumor Therapy. <i>Advanced Functional Materials</i> , 2018, 28, 1800881.	7.8	97
76	An effective thermal treatment strategy for thermoelectric performance enhancement in PANI/Te nanorod hybrid film. <i>Materials Letters</i> , 2018, 229, 293-296.	1.3	15
77	Multi-parameter optimization design of thermoelectric harvester based on phase change material for space generation. <i>Applied Energy</i> , 2018, 228, 873-880.	5.1	24
78	One-dimensional oriented microcapacitors in ternary polymer nanocomposites: Toward high breakdown strength and suppressed loss. <i>Materials and Design</i> , 2018, 140, 114-122.	3.3	25
79	Dynamic thermal response characteristics and feasibility analysis of thermoelectric module in impedance measurement. <i>Applied Thermal Engineering</i> , 2017, 111, 1417-1425.	3.0	4
80	Novel Ag nanowire array with high electrical conductivity and fast heat transfer behavior as the electrode for film devices. <i>Journal of Alloys and Compounds</i> , 2017, 701, 49-54.	2.8	8
81	Transport properties and lattice variation behavior as a function of temperature in Sb <sub>2</sub> Te <sub>3</sub> nanorod array. <i>Thin Solid Films</i> , 2017, 623, 116-120.	0.8	2
82	Enhanced dielectric performances of polypropylene films via polarity adjustment by maleic anhydride grafted polypropylene. <i>Journal of Applied Polymer Science</i> , 2017, 134, 45029.	1.3	16
83	Green, Rapid, and Universal Preparation Approach of Graphene Quantum Dots under Ultraviolet Irradiation. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 14470-14477.	4.0	99
84	Strikingly enhanced cooling performance for a micro-cooler using unique Cu nanowire array with high electrical conductivity and fast heat transfer behavior. <i>Chemical Physics Letters</i> , 2017, 678, 40-45.	1.2	1
85	Enhancing thermoelectric properties of Sb <sub>2</sub> Te <sub>3</sub> flexible thin film through microstructure control and crystal preferential orientation engineering. <i>Applied Surface Science</i> , 2017, 414, 197-204.	3.1	71
86	Effects of interfaces between adjacent layers on breakdown strength and energy density in sandwich-structured polymer composites. <i>Composites Science and Technology</i> , 2017, 145, 71-77.	3.8	91
87	Light-concentrated solar generator and sensor based on flexible thin-film thermoelectric device. <i>Nano Energy</i> , 2017, 34, 463-471.	8.2	69
88	Enhancing thermoelectric performance of SnTe via nanostructuring particle size. <i>Journal of Alloys and Compounds</i> , 2017, 709, 575-580.	2.8	44
89	Enhanced electrical conductivity and reliability for flexible copper thin-film electrode by introducing aluminum buffer layer. <i>Materials and Design</i> , 2017, 116, 524-530.	3.3	23
90	Green and Mild Oxidation: An Efficient Strategy toward Water-Dispersible Graphene. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 2856-2866.	4.0	24

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91	Bottom-up sandwich-porous copper films: Facile construction, growth mechanism, and super-elastic property. <i>Materials and Design</i> , 2017, 135, 151-158.	3.3	2
92	A novel thermoelectric harvester based on high-performance phase change material for space application. <i>Applied Energy</i> , 2017, 206, 1194-1202.	5.1	52
93	Strain-Induced Surface Micro/Nanosphere Structure: A New Technique to Design Mechanically Robust Superhydrophobic Surfaces with Rose Petal-Like Morphology. <i>Advanced Materials Interfaces</i> , 2017, 4, 1700497.	1.9	13
94	Polymer-based nanocomposites employing Bi <sub>2</sub> S <sub>3</sub> @SiO <sub>2</sub> nanorods for high dielectric performance: Understanding the role of interfacial polarization in semiconductor-insulator core-shell nanostructure. <i>Composites Science and Technology</i> , 2017, 151, 25-33.	3.8	66
95	Controllable Electrical Contact Resistance between Cu and Oriented-Bi <sub>2</sub> Te <sub>3</sub> Film via Interface Tuning. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 25606-25614.	4.0	28
96	Flexible carbon nanotube-enriched silver electrode films with high electrical conductivity and reliability prepared by facile screen printing. <i>Journal of Materials Science and Technology</i> , 2017, 33, 1113-1119.	5.6	18
97	Core-shell structured BaTiO <sub>3</sub> @Al <sub>2</sub> O <sub>3</sub> nanoparticles in polymer composites for dielectric loss suppression and breakdown strength enhancement. <i>Composites Part A: Applied Science and Manufacturing</i> , 2017, 93, 137-143.	3.8	136
98	Neural signatures of phonological deficits in Chinese developmental dyslexia. <i>NeuroImage</i> , 2017, 146, 301-311.	2.1	61
99	Exosome-Mediated Genetic Information Transfer, a Missing Piece of Osteoblast-Osteoclast Communication Puzzle. <i>Frontiers in Endocrinology</i> , 2017, 8, 336.	1.5	26
100	Significantly Enhanced Dielectric Performances and High Thermal Conductivity in Poly(vinylidene fluoride)/Carbon Nanotube Nanocomposites. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 44839-44846.	4.0	86
101	Highly Ordered Vertical (Sb,Bi) <sub>2</sub> Te <sub>3</sub> Nanopillar Array with Remarkably Enhanced Thermoelectric Properties. <i>Science of Advanced Materials</i> , 2017, 9, 967-972.	0.1	3
102	Synergistic photovoltaic-thermoelectric effect in a nanostructured CdTe/Bi <sub>2</sub> Te <sub>3</sub> heterojunction for hybrid energy harvesting. <i>RSC Advances</i> , 2016, 6, 114046-114051.	1.7	18
103	Bi deficiency-tuned functionality in multiferroic Bi <sub>1-x</sub> Fe <sub>0.95</sub> Mn <sub>0.05</sub> O <sub>3</sub> films. <i>Scientific Reports</i> , 2016, 6, 19385.	1.6	9
104	A New Graphene Derivative: Hydroxylated Graphene with Excellent Biocompatibility. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 10226-10233.	4.0	59
105	Optimization of bone drilling process based on finite element analysis. <i>Applied Thermal Engineering</i> , 2016, 108, 211-220.	3.0	23
106	Green, simple and large scale synthesis of N-doped graphene quantum dots with uniform edge groups by electrochemical bottom-up synthesis. <i>RSC Advances</i> , 2016, 6, 82648-82653.	1.7	30
107	Improved thermal stability and reliability of Cu film electrode induced by bias magnetron sputtering. <i>Thin Solid Films</i> , 2016, 616, 562-568.	0.8	6
108	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. <i>Materials Research Express</i> , 2016, 3, 085014.	0.8	6



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109	High-performance photovoltaic-thermoelectric hybrid power generation system with optimized thermal management. <i>Energy</i> , 2016, 100, 91-101.	4.5	147
110	Facile fabrication of core-shell ZnO/Bi <sub>0.5</sub> Sb <sub>1.5</sub> Te <sub>3</sub> nanorods: Enhanced photoluminescence through electron charge. <i>Applied Surface Science</i> , 2016, 361, 95-101.	3.1	6
111	Novel Symbol Learning-Induced Stroop Effect: Evidence for a Strategy-Based, Utility Learning Model. <i>Journal of Psycholinguistic Research</i> , 2016, 45, 1161-1171.	0.7	1
112	Thermoelectric Generator Used in Fire-Alarm Temperature Sensing. <i>Journal of Electronic Materials</i> , 2015, 44, 1851-1857.	1.0	3
113	High thermoelectric performance of a defect in In <sub>2</sub> Se <sub>3</sub> -based solid solution upon substitution of Zn for In. <i>Journal of Materials Chemistry C</i> , 2015, 3, 9069-9075.	2.7	31
114	MicroRNAs Regulate Bone Development and Regeneration. <i>International Journal of Molecular Sciences</i> , 2015, 16, 8227-8253.	1.8	95
115	Magnocellular-dorsal pathway function is associated with orthographic but not phonological skill: fMRI evidence from skilled Chinese readers. <i>Neuropsychologia</i> , 2015, 71, 84-90.	0.7	22
116	Enhanced adhesion and conductivity of Cu electrode on AlN substrate for thin film thermoelectric device. <i>Functional Materials Letters</i> , 2015, 08, 1550032.	0.7	6
117	Design and performance of compact thermoelectric generators based on the extended three-dimensional thermal contact interface. <i>Energy Conversion and Management</i> , 2015, 106, 110-117.	4.4	14
118	Competition between compressive strain and Mn doping on tuning the structure and magnetic behavior of BiFeO <sub>3</sub> thin films. <i>Functional Materials Letters</i> , 2015, 08, 1550066.	0.7	4
119	Risk factors for the development of metachronous bone metastasis in colorectal cancer patients after curative resection. <i>International Journal of Surgery</i> , 2015, 21, 145-149.	1.1	13
120	Thin-film solar thermoelectric generator with enhanced power output: Integrated optimization design to obtain directional heat flow. <i>Energy</i> , 2015, 89, 106-117.	4.5	42
121	Uniform distribution of low content BaTiO <sub>3</sub> nanoparticles in poly(vinylidene fluoride) nanocomposite: toward high dielectric breakdown strength and energy storage density. <i>RSC Advances</i> , 2015, 5, 72090-72098.	1.7	62
122	Towards high refrigeration capability: the controllable structure of hierarchical Bi <sub>0.5</sub> Sb <sub>1.5</sub> Te <sub>3</sub> flakes on a metal electrode. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 6809-6818.	1.3	34
123	Hierarchical BiTe based flexible thin-film solar thermoelectric generator with light sensing feature. <i>Energy Conversion and Management</i> , 2015, 106, 1192-1200.	4.4	40
124	Bi <sub>2</sub> S <sub>3</sub> /poly(vinylidene fluoride) composite with high dielectric constant and unusual low dielectric loss based on preferentially oriented fillers. <i>RSC Advances</i> , 2015, 5, 96258-96264.	1.7	13
125	Enhanced Thermoelectric Performance of a Highly Ordered Vertical Bi <sub>0.5</sub> Sb <sub>1.5</sub> Te <sub>3</sub> Pillar Array Device with Optimized Interconnect. <i>Science of Advanced Materials</i> , 2015, 7, 1076-1082.	0.1	3
126	Repair of Canine Medial Orbital Bone Defects With miR-31 Modified Bone Marrow Mesenchymal Stem Cells. , 2014, 55, 6016.		29



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127	Variations of thermoelectric properties of $\text{Mg}_{2.2}\text{Si}_{1-x}\text{Sn}_x\text{Sb}_{0.013}$ materials with different Si/Sn ratios. <i>Journal of Solid State Chemistry</i> , 2014, 220, 157-162.	1.4	5
128	Combined effects of Bi deficiency and Mn substitution on the structural transformation and functionality of $\text{BiFeO}_3$ films. <i>Journal of Applied Physics</i> , 2014, 116, .	1.1	27
129	<i>In Vitro</i> Osteogenic Induction of Bone Marrow Stromal Cells with Encapsulated Gene-Modified Bone Marrow Stromal Cells and <i>In Vivo</i> Implantation for Orbital Bone Repair. <i>Tissue Engineering - Part A</i> , 2014, 20, 2019-2029.	1.6	18
130	Enhancement of thermoelectric properties induced by oriented nanolayer in $\text{Bi}_2\text{Te}_{2.7}\text{Se}_{0.3}$ columnar films. <i>Materials Chemistry and Physics</i> , 2014, 146, 153-158.	2.0	23
131	A novel self-powered wireless temperature sensor based on thermoelectric generators. <i>Energy Conversion and Management</i> , 2014, 80, 110-116.	4.4	85
132	Recycling of asbestos tailings used as reinforcing fillers in polypropylene based composites. <i>Journal of Hazardous Materials</i> , 2014, 270, 137-143.	6.5	24
133	Improved thermoelectric performance of a film device induced by densely columnar Cu electrode. <i>Energy</i> , 2014, 70, 143-148.	4.5	26
134	Ordered structure and high thermoelectric properties of $\text{Bi}_2(\text{Te,Se})_3$ nanowire array. <i>Nano Energy</i> , 2014, 3, 144-151.	8.2	57
135	Engineered cation vacancy plane responsible for the reduction in lattice thermal conductivity and improvement in the thermoelectric property of $\text{Ga}_2\text{Te}_3$ -based semiconductors. <i>RSC Advances</i> , 2014, 4, 34104-34109.	1.7	5
136	Site occupations of Zn in $\text{AgInSe}_2$ -based chalcopyrites responsible for modified structures and significantly improved thermoelectric performance. <i>RSC Advances</i> , 2014, 4, 33897-33904.	1.7	20
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