Hao Jin

List of Publications by Year
in descending order

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45	2,837	236925	265206
papers	citations	25	42
		h-index	g-index

46	46	46	3572
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Lightweight and Anisotropic Porous MWCNT/WPU Composites for Ultrahigh Performance Electromagnetic Interference Shielding. Advanced Functional Materials, 2016, 26, 303-310.	14.9	697
2	Thin and flexible multi-walled carbon nanotube/waterborne polyurethane composites with high-performance electromagnetic interference shielding. Carbon, 2016, 96, 768-777.	10.3	301
3	Microstructure Design of Lightweight, Flexible, and High Electromagnetic Shielding Porous Multiwalled Carbon Nanotube/Polymer Composites. Small, 2017, 13, 1701388.	10.0	163
4	Synergistic effects from graphene and carbon nanotubes endow ordered hierarchical structure foams with a combination of compressibility, super-elasticity and stability and potential application as pressure sensors. Nanoscale, 2015, 7, 9252-9260.	5.6	126
5	Buckled AgNW/MXene hybrid hierarchical sponges for high-performance electromagnetic interference shielding. Nanoscale, 2019, 11, 22804-22812.	5.6	106
6	Low-voltage and high-performance electrothermal actuator based on multi-walled carbon nanotube/polymer composites. Carbon, 2015, 84, 327-334.	10.3	105
7	Structure, Optical, and Catalytic Properties of Novel Hexagonal Metastable h-MoO₃ Nano- and Microrods Synthesized with Modified Liquid-Phase Processes. Chemistry of Materials, 2010, 22, 6202-6208.	6.7	99
8	Thermal Transport in the Hidden-Order State ofURu2Si2. Physical Review Letters, 2005, 94, 156405.	7.8	89
9	Mechanically robust ANF/MXene composite films with tunable electromagnetic interference shielding performance. Composites Part A: Applied Science and Manufacturing, 2020, 135, 105927.	7.6	85
10	Tuning the Interfacial Mechanical Behaviors of Monolayer Graphene/PMMA Nanocomposites. ACS Applied Materials & Interfaces, 2016, 8, 22554-22562.	8.0	84
11	Mechanical behavior and properties of hydrogen bonded graphene/polymer nano-interfaces. Composites Science and Technology, 2016, 136, 1-9.	7.8	80
12	Broadband composite radar absorbing structures with resistive frequency selective surface: Optimal design, manufacturing and characterization. Composites Science and Technology, 2017, 145, 10-14.	7.8	80
13	Thermoelectricity ofURu2Si2:â€ƒGiant Nernst effect in the hidden-order state. Physical Review B, 2004, 70, .	3.2	73
14	Synergistic effect of a r-GO/PANI nanocomposite electrode based air working ionic actuator with a large actuation stroke and long-term durability. Journal of Materials Chemistry A, 2015, 3, 8380-8388.	10.3	56
15	Three-dimensional Sponges with Super Mechanical Stability: Harnessing True Elasticity of Individual Carbon Nanotubes in Macroscopic Architectures. Scientific Reports, 2016, 6, 18930.	3.3	56
16	Hierarchical Grapheneâ€Based Films with Dynamic Selfâ€Stiffening for Biomimetic Artificial Muscle. Advanced Functional Materials, 2016, 26, 7003-7010.	14.9	53
17	Thermodynamic properties of Mg2Si and Mg2Ge investigated by first principles method. Journal of Alloys and Compounds, 2010, 499, 68-74.	5.5	52
18	Ultra-broadband frequency responsive sensor based on lightweight and flexible carbon nanostructured polymeric nanocomposites. Carbon, 2017, 121, 490-501.	10.3	46

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19	Creep-resistant behavior of MWCNT-polycarbonate melt spun nanocomposite fibers at elevated temperature. Polymer, 2013, 54, 3723-3729.	3.8	45
20	An experimental apparatus for simultaneously measuring Seebeck coefficient and electrical resistivity from 100 K to 600 K. Review of Scientific Instruments, 2013, 84, 043903.	1.3	44
21	Flexible and easy-to-tune broadband electromagnetic wave absorber based on carbon resistive film sandwiched by silicon rubber/multi-walled carbon nanotube composites. Carbon, 2017, 121, 544-551.	10.3	42
22	Theoretical study on thermoelectric properties of Mg2Si and comparison to experiments. Computational Materials Science, 2012, 60, 224-230.	3.0	39
23	Ultrafast response of spray-on nanocomposite piezoresistive sensors to broadband ultrasound. Carbon, 2019, 143, 743-751.	10.3	33
24	Nanostructured carbon materials based electrothermal air pump actuators. Nanoscale, 2014, 6, 6932-6938.	5.6	32
25	Multifunctional Polymer-Based Graphene Foams with Buckled Structure and Negative Poissonâ€™s Ratio. Scientific Reports, 2016, 6, 32989.	3.3	31
26	Can insulating graphene oxide contribute the enhanced conductivity and durability of silver nanowire coating?. Nano Research, 2019, 12, 1571-1577.	10.4	29
27	Low-Temperature Thermoelectric Properties of Î²-Ag2Se Synthesized by Hydrothermal Reaction. Journal of Electronic Materials, 2011, 40, 624-628.	2.2	26
28	A coatable, light-weight, fast-response nanocomposite sensor for thein situacquisition of dynamic elastic disturbance: from structural vibration to ultrasonic waves. Smart Materials and Structures, 2016, 25, 065005.	3.5	25
29	Rigid vortices in MgB2. Applied Physics Letters, 2003, 83, 2626-2628.	3.3	23
30	A temperature-activated nanocomposite metamaterial absorber with a wide tunability. Nano Research, 2018, 11, 3931-3942.	10.4	22
31	Graphene-based nanocomposite strain sensor response to ultrasonic guided waves. Composites Science and Technology, 2019, 174, 42-49.	7.8	21
32	Evidence for a New Magnetic Field Scale inCeCoIn5. Physical Review Letters, 2006, 96, 077207.	7.8	14
33	Study of the transport properties of La1.85â^'xSr0.15+xCu1â^'xMxOy (M = Fe, Ga). Physics Letters, Section A: General, Atomic and Solid State Physics, 1998, 249, 153-159.	2.1	13
34	Thermal transport property of Ge ₃₄ and d-Ge investigated by molecular dynamics and the Slack's equation. Chinese Physics B, 2010, 19, 076501.	1.4	11
35	Atomistic simulation of Siâ€“Ge clathrate alloys. Chemical Physics, 2008, 344, 299-308.	1.9	9
36	Structure and transport properties of Cr doped La214 system. Physica C: Superconductivity and Its Applications, 1999, 314, 263-268.	1.2	7

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37	Upper Critical Field and Irreversibility Line Determined by Transport Measurement of the New Superconductor MgB 2. Chinese Physics Letters, 2001, 18, 823-825.	3.3	6
38	Effective fabrication of flexible negative refractive index metamaterials using a simple screen printing method. Journal of Materials Chemistry C, 2017, 5, 5378-5386.	5.5	6
39	Magnetic relaxation in high-temperature superconductors. Physics Letters, Section A: General, Atomic and Solid State Physics, 1999, 255, 183-186.	2.1	4
40	Crystal structure and transport properties of La1.75Sr0.25Cu0.9M0.1O4 (M=Cr, Mn, Fe, Co, Ga and Al). Physica C: Superconductivity and Its Applications, 1999, 315, 124-128.	1.2	2
41	Argument forE Ã—j relation of high temperature superconductors. Science in China Series A: Mathematics, 2000, 43, 163-170.	0.5	1
42	Vortex-unbinding and finite-size effects inTl2Ba2CaCu2O8thin films. Physical Review B, 2003, 68, .	3.2	1
43	Kondo effect induced suppression of superconductivity in Y1â^'xPrxBa2Cu3O7â^'Î´. Physica C: Superconductivity and Its Applications, 1997, 282-287, 1395-1396.	1.2	0
44	E - j relation in the vortex-liquid region of high temperature superconductors. Physica C: Superconductivity and Its Applications, 2000, 341-348, 1309-1310.	1.2	0
45	Reargument over E â^¼ j relation of high temperature superconductors. Science in China Series A: Mathematics, 2001, 44, 513-527.	0.5	0