

Hao Jin

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

45
papers

2,147
citations

24
h-index

46
g-index

46
ext. papers

2,510
ext. citations

6.4
avg, IF

4.9
L-index

#	Paper	IF	Citations
45	Lightweight and Anisotropic Porous MWCNT/WPU Composites for Ultrahigh Performance Electromagnetic Interference Shielding. <i>Advanced Functional Materials</i> , 2016 , 26, 303-310	15.6	499
44	Thin and flexible multi-walled carbon nanotube/waterborne polyurethane composites with high-performance electromagnetic interference shielding. <i>Carbon</i> , 2016 , 96, 768-777	10.4	233
43	Microstructure Design of Lightweight, Flexible, and High Electromagnetic Shielding Porous Multiwalled Carbon Nanotube/Polymer Composites. <i>Small</i> , 2017 , 13, 1701388	11	118
42	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. <i>Nanoscale</i> , 2015 , 7, 9252-60	7.7	97
41	Low-voltage and high-performance electrothermal actuator based on multi-walled carbon nanotube/polymer composites. <i>Carbon</i> , 2015 , 84, 327-334	10.4	90
40	Structure, Optical, and Catalytic Properties of Novel Hexagonal Metastable h-MoO ₃ Nano- and Microrods Synthesized with Modified Liquid-Phase Processes. <i>Chemistry of Materials</i> , 2010 , 22, 6202-6208	8.6	83
39	Thermal transport in the hidden-order state of URu ₂ Si ₂ . <i>Physical Review Letters</i> , 2005 , 94, 156405	7.4	82
38	Thermoelectricity of URu ₂ Si ₂ : Giant Nernst effect in the hidden-order state. <i>Physical Review B</i> , 2004 , 70,	3.3	70
37	Tuning the Interfacial Mechanical Behaviors of Monolayer Graphene/PMMA Nanocomposites. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 22554-62	9.5	68
36	Broadband composite radar absorbing structures with resistive frequency selective surface: Optimal design, manufacturing and characterization. <i>Composites Science and Technology</i> , 2017 , 145, 10-14	8.6	64
35	Buckled AgNW/MXene hybrid hierarchical sponges for high-performance electromagnetic interference shielding. <i>Nanoscale</i> , 2019 , 11, 22804-22812	7.7	59
34	Mechanical behavior and properties of hydrogen bonded graphene/polymer nano-interfaces. <i>Composites Science and Technology</i> , 2016 , 136, 1-9	8.6	55
33	Three-dimensional Sponges with Super Mechanical Stability: Harnessing True Elasticity of Individual Carbon Nanotubes in Macroscopic Architectures. <i>Scientific Reports</i> , 2016 , 6, 18930	4.9	50
32	Synergistic effect of a r-GO/PANI nanocomposite electrode based air working ionic actuator with a large actuation stroke and long-term durability. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 8380-8388	13	44
31	Hierarchical Graphene-Based Films with Dynamic Self-Stiffening for Biomimetic Artificial Muscle. <i>Advanced Functional Materials</i> , 2016 , 26, 7003-7010	15.6	44
30	Thermodynamic properties of Mg ₂ Si and Mg ₂ Ge investigated by first principles method. <i>Journal of Alloys and Compounds</i> , 2010 , 499, 68-74	5.7	41
29	Creep-resistant behavior of MWCNT-polycarbonate melt spun nanocomposite fibers at elevated temperature. <i>Polymer</i> , 2013 , 54, 3723-3729	3.9	40

28	Ultra-broadband frequency responsive sensor based on lightweight and flexible carbon nanostructured polymeric nanocomposites. <i>Carbon</i> , 2017 , 121, 490-501	10.4	38
27	An experimental apparatus for simultaneously measuring Seebeck coefficient and electrical resistivity from 100 K to 600 K. <i>Review of Scientific Instruments</i> , 2013 , 84, 043903	1.7	37
26	Theoretical study on thermoelectric properties of Mg ₂ Si and comparison to experiments. <i>Computational Materials Science</i> , 2012 , 60, 224-230	3.2	35
25	Mechanically robust ANF/MXene composite films with tunable electromagnetic interference shielding performance. <i>Composites Part A: Applied Science and Manufacturing</i> , 2020 , 135, 105927	8.4	34
24	Flexible and easy-to-tune broadband electromagnetic wave absorber based on carbon resistive film sandwiched by silicon rubber/multi-walled carbon nanotube composites. <i>Carbon</i> , 2017 , 121, 544-551	10.4	29
23	Multifunctional Polymer-Based Graphene Foams with Buckled Structure and Negative Poisson's Ratio. <i>Scientific Reports</i> , 2016 , 6, 32989	4.9	25
22	Nanostructured carbon materials based electrothermal air pump actuators. <i>Nanoscale</i> , 2014 , 6, 6932-8	7.7	24
21	Rigid vortices in MgB ₂ . <i>Applied Physics Letters</i> , 2003 , 83, 2626-2628	3.4	23
20	Ultrafast response of spray-on nanocomposite piezoresistive sensors to broadband ultrasound. <i>Carbon</i> , 2019 , 143, 743-751	10.4	22
19	Low-Temperature Thermoelectric Properties of Ag_2Se Synthesized by Hydrothermal Reaction. <i>Journal of Electronic Materials</i> , 2011 , 40, 624-628	1.9	19
18	A coatable, light-weight, fast-response nanocomposite sensor for their situ acquisition of dynamic elastic disturbance: from structural vibration to ultrasonic waves. <i>Smart Materials and Structures</i> , 2016 , 25, 065005	3.4	18
17	Can insulating graphene oxide contribute the enhanced conductivity and durability of silver nanowire coating?. <i>Nano Research</i> , 2019 , 12, 1571-1577	10	16
16	A temperature-activated nanocomposite metamaterial absorber with a wide tunability. <i>Nano Research</i> , 2018 , 11, 3931-3942	10	13
15	Study of the transport properties of $\text{La}_{1.85}\text{Sr}_{0.15+x}\text{Cu}_{1-x}\text{M}_x\text{O}_y$ (M = Fe, Ga). <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1998 , 249, 153-159	2.3	13
14	Graphene-based nanocomposite strain sensor response to ultrasonic guided waves. <i>Composites Science and Technology</i> , 2019 , 174, 42-49	8.6	12
13	Evidence for a new magnetic field scale in CeCoIn ₅ . <i>Physical Review Letters</i> , 2006 , 96, 077207	7.4	12
12	Thermal transport property of Ge ³⁴ and d-Ge investigated by molecular dynamics and the Slack's equation. <i>Chinese Physics B</i> , 2010 , 19, 076501	1.2	8
11	Atomistic simulation of SiGe clathrate alloys. <i>Chemical Physics</i> , 2008 , 344, 299-308	2.3	8

10	Upper Critical Field and Irreversibility Line Determined by Transport Measurement of the New Superconductor MgB ₂ . <i>Chinese Physics Letters</i> , 2001 , 18, 823-825	1.8	6
9	Structure and transport properties of Cr doped La ₂ 14 system. <i>Physica C: Superconductivity and Its Applications</i> , 1999 , 314, 263-268	1.3	6
8	Effective fabrication of flexible negative refractive index metamaterials using a simple screen printing method. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 5378-5386	7.1	4
7	Magnetic relaxation in high-temperature superconductors. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1999 , 255, 183-186	2.3	4
6	Crystal structure and transport properties of La _{1.75} Sr _{0.25} Cu _{0.9} M _{0.1} O ₄ (M=Cr, Mn, Fe, Co, Ga and Al). <i>Physica C: Superconductivity and Its Applications</i> , 1999 , 315, 124-128	1.3	2
5	Vortex-unbinding and finite-size effects in Tl ₂ Ba ₂ CaCu ₂ O ₈ thin films. <i>Physical Review B</i> , 2003 , 68,	3.3	1
4	Argument for E ~ j relation of high temperature superconductors. <i>Science in China Series A: Mathematics</i> , 2000 , 43, 163-170		1
3	Kondo effect induced suppression of superconductivity in Y _{1-x} Pr _x Ba ₂ Cu ₃ O ₇ . <i>Physica C: Superconductivity and Its Applications</i> , 1997 , 282-287, 1395-1396	1.3	
2	Reargument over E ~ j relation of high temperature superconductors. <i>Science in China Series A: Mathematics</i> , 2001 , 44, 513-527		
1	E - j relation in the vortex-liquid region of high temperature superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 2000 , 341-348, 1309-1310	1.3	