

Zhiyong Duan

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

117
citations

1307594

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docs citations

22
times ranked

88
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermal Behavior of Ag Micro/Nano Wires Formed by Low-Temperature Sintering of Ag Nanoparticles. <i>Journal of Electronic Materials</i> , 2015, 44, 4920-4927.	2.2	13
2	Design and Analysis of a Gas Flowmeter Using Diamagnetic Levitation. <i>IEEE Sensors Journal</i> , 2018, 18, 6978-6985.	4.7	13
3	Study on the shrinkage behavior and conductivity of silver microwires during electrostatic field assisted sintering. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 185603.	2.8	12
4	Analysis of Dynamic Pressure Distribution on the Mold in Compressional Gas Cushion Press Nanoimprint Lithography. <i>IEEE Nanotechnology Magazine</i> , 2013, 12, 589-595.	2.0	8
5	Novel Tone Mapping Method via Macro-Micro Modeling of Human Visual System. <i>IEEE Access</i> , 2019, 7, 118359-118369.	4.2	8
6	A low-frequency wideband vibration harvester based on piecewise linear system. <i>Applied Physics A: Materials Science and Processing</i> , 2019, 125, 1.	2.3	8
7	Study of demolding in nanoimprint lithography with pseudoplastic metal nanoparticle fluids. <i>RSC Advances</i> , 2013, 3, 17851.	3.6	7
8	Motion characteristics and output voltage analysis of micro-vibration energy harvester based on diamagnetic levitation. <i>Applied Physics A: Materials Science and Processing</i> , 2015, 118, 91-100.	2.3	7
9	Preliminary verification of hyperspectral LiDAR covering VIS-NIR-SWIR used for objects classification. <i>European Journal of Remote Sensing</i> , 2022, 55, 291-303.	3.5	6
10	Analysis of slumping on nanoimprint patterning with pseudoplastic metal nanoparticle fluid. <i>RSC Advances</i> , 2014, 4, 30402-30411.	3.6	5
11	Analysis of multi-direction low-frequency vibration energy harvester using diamagnetic levitation. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2015, 47, 847-860.	0.6	5
12	Vibration attenuation analysis of compressional gas cushion press nanoimprint lithography system. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2014, 228, 1634-1642.	2.1	4
13	Ag Interconnects Enhanced Polydimethylsiloxane Microstructure for Self-Recovery Fluid Pipe Energy Harvester. <i>Macromolecular Materials and Engineering</i> , 2021, 306, 2000666.	3.6	4
14	Sintered Ag nanoparticle ink achieves 50% higher conductivity than bulk Ag in interconnections by doping with In. <i>Applied Physics Express</i> , 2019, 12, 055004.	2.4	3
15	Simulation design of silicon based quantum well nanolaser based on surface plasmon polariton. <i>Journal of Optics (United Kingdom)</i> , 2020, 22, 095002.	2.2	3
16	Magnetic field-assisted sintering of nickel-doped silver microwire to improve densification and conductivity. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 513, 167232.	2.3	3
17	Investigation on Anisotropy Shrinkage and Conductivity of Ag Microwires Sintering Assisted by the Tamping Effect of Alternating Electric Field. <i>ECS Journal of Solid State Science and Technology</i> , 2020, 9, 034006.	1.8	3
18	A diamagnetically levitated vibration energy harvester for scavaging the horizontal vibration. <i>Materials Research Express</i> , 2019, 6, 025506.	1.6	2

#	ARTICLE	IF	CITATIONS
19	Ag metal interconnect wires formed by pseudoplastic nanoparticles fluid imprinting lithography with microwave assistant sintering. Nanotechnology, 2022, , .	2.6	2
20	Improve anisotropy shrinkage and conductivity of Ag interconnected wires by non-contact ultrasonic field. Journal Physics D: Applied Physics, 2019, 52, 375103.	2.8	1
21	Study on the asymmetric bistability of the vibration energy harvester based on diamagnetic levitation. , 2017, , .		0
22	Design of seal ring with rectangular grooves for gas isolation in Nanoimprint Lithography. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2019, 233, 1079-1086.	2.1	0