

# Zhiyong Duan

## List of Publications by Year in descending order

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22  
papers

117  
citations

1307594

7  
h-index

1372567

10  
g-index

22  
all docs

22  
docs citations

22  
times ranked

88  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ag metal interconnect wires formed by pseudoplastic nanoparticles fluid imprinting lithography with microwave assistant sintering. Nanotechnology, 2022, , .	2.6	2
2	Preliminary verification of hyperspectral LiDAR covering VIS-NIR-SWIR used for objects classification. European Journal of Remote Sensing, 2022, 55, 291-303.	3.5	6
3	Ag Interconnects Enhanced Polydimethylsiloxane Microstructure for Self-Recovery Fluid Pipe Energy Harvester. Macromolecular Materials and Engineering, 2021, 306, 2000666.	3.6	4
4	Simulation design of silicon based quantum well nanolaser based on surface plasmon polariton. Journal of Optics (United Kingdom), 2020, 22, 095002.	2.2	3
5	Magnetic field-assisted sintering of nickel-doped silver microwire to improve densification and conductivity. Journal of Magnetism and Magnetic Materials, 2020, 513, 167232.	2.3	3
6	Investigation on Anisotropy Shrinkage and Conductivity of Ag Microwires Sintering Assisted by the Tamping Effect of Alternating Electric Field. ECS Journal of Solid State Science and Technology, 2020, 9, 034006.	1.8	3
7	Novel Tone Mapping Method via Macro-Micro Modeling of Human Visual System. IEEE Access, 2019, 7, 118359-118369.	4.2	8
8	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
9	A low-frequency wideband vibration harvester based on piecewise linear system. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	2.3	8
10	Sintered Ag nanoparticle ink achieves 50% higher conductivity than bulk Ag in interconnections by doping with In. Applied Physics Express, 2019, 12, 055004.	2.4	3
11	A diamagnetically levitated vibration energy harvester for scavaging the horizontal vibration. Materials Research Express, 2019, 6, 025506.	1.6	2
12	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
13	Study on the shrinkage behavior and conductivity of silver microwires during electrostatic field assisted sintering. Journal Physics D: Applied Physics, 2018, 51, 185603.	2.8	12
14	Design and Analysis of a Gas Flowmeter Using Diamagnetic Levitation. IEEE Sensors Journal, 2018, 18, 6978-6985.	4.7	13
15	Study on the asymmetric bistability of the vibration energy harvester based on diamagnetic levitation. , 2017, , .		0
16	Thermal Behavior of Ag Micro/Nano Wires Formed by Low-Temperature Sintering of Ag Nanoparticles. Journal of Electronic Materials, 2015, 44, 4920-4927.	2.2	13
17	Analysis of multi-direction low-frequency vibration energy harvester using diamagnetic levitation. International Journal of Applied Electromagnetics and Mechanics, 2015, 47, 847-860.	0.6	5
18	Motion characteristics and output voltage analysis of micro-vibration energy harvester based on diamagnetic levitation. Applied Physics A: Materials Science and Processing, 2015, 118, 91-100.	2.3	7

#	ARTICLE	IF	CITATIONS
19	Vibration attenuation analysis of compressional gas cushion press nanoimprint lithography system. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2014, 228, 1634-1642.	2.1	4
20	Analysis of slumping on nanoimprint patterning with pseudoplastic metal nanoparticle fluid. RSC Advances, 2014, 4, 30402-30411.	3.6	5
21	Study of demolding in nanoimprint lithography with pseudoplastic metal nanoparticle fluids. RSC Advances, 2013, 3, 17851.	3.6	7
22	Analysis of Dynamic Pressure Distribution on the Mold in Compressional Gas Cushion Press Nanoimprint Lithography. IEEE Nanotechnology Magazine, 2013, 12, 589-595.	2.0	8