

# Andrew S Holmes

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8039706/publications.pdf>

Version: 2024-02-01

21  
papers

1,917  
citations

1307594

7  
h-index

1199594

12  
g-index

21  
all docs

21  
docs citations

21  
times ranked

1968  
citing authors

#	ARTICLE	IF	CITATIONS
1	Acoustic Emission Enabled Particle Size Estimation via Low Stress-Varied Axial Interface Shearing. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-10.	4.7	1
2	Using Ultrasonic Reflection Resonance to Probe Stress Wave Velocity in Assemblies of Spherical Particles. IEEE Sensors Journal, 2021, 21, 22489-22498.	4.7	3
3	Nonlinear Wind Energy Harvesting Based on Mechanical Synchronous Switch Harvesting on Inductor. , 2021, , .		3
4	Theoretical demonstration of a capacitive rotor for generation of alternating current from mechanical motion. Nature Communications, 2021, 12, 3678.	12.8	2
5	Piezoelectric wind velocity sensor based on the variation of galloping frequency with drag force. Applied Physics Letters, 2020, 116, .	3.3	26
6	System Integration for Plastic Electronics Using Room-Temperature Ultrasonic Welding. Advanced Engineering Materials, 2020, 22, 1901309.	3.5	2
7	Energy Harvesting Piezoelectric Wind Speed Sensor. Journal of Physics: Conference Series, 2019, 1407, 012044.	0.4	1
8	Thermosonic-Adhesive (TS-A) Integration of Flexible Integrated Circuits on Flexible Plastic Substrates. , 2018, , .		0
9	Micro-welding using laser-generated ultrasound. , 2016, , .		2
10	RF MEMS Zipping Varactor With High Quality Factor and Very Large Tuning Range. IEEE Electron Device Letters, 2016, 37, 1340-1343.	3.9	9
11	Confining Liquids on Silicon Surfaces to Lubricate MEMS. Tribology Letters, 2015, 59, 1.	2.6	11
12	Thermosonic flip-chip assembly on flex substrates. , 2012, , .		3
13	Air-Gap Convection in Rotating Electrical Machines. IEEE Transactions on Industrial Electronics, 2012, 59, 1367-1375.	7.9	230
14	Thermosonic-Adhesive flip-chip assembly. , 2012, , .		1
15	Tuning the Resonant Frequency and Damping of an Electromagnetic Energy Harvester Using Power Electronics. IEEE Transactions on Circuits and Systems II: Express Briefs, 2011, 58, 792-796.	3.0	64
16	Measurement of stator heat transfer in air-cooled axial flux permanent magnet machines. , 2009, , .		29
17	Preferred Transmission Frequency for Size-Constrained Ultralow-Power Short-Range CMOS Oscillator Transmitters. IEEE Transactions on Circuits and Systems I: Regular Papers, 2009, 56, 1173-1181.	5.4	8
18	Energy Harvesting From Human and Machine Motion for Wireless Electronic Devices. Proceedings of the IEEE, 2008, 96, 1457-1486.	21.3	1,522

#	ARTICLE	IF	CITATIONS
19	High-Q continuously tunable zipping varactors with large tuning range. , 2008, , .		0
20	Industrial applications of laser direct-write processing: a review. , 2007, , .		0
21	Industrial Applications of Laser Direct-Write Processing: A Review. , 2007, , .		0