

Andrew S Holmes

List of Publications by Year in descending order

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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	Energy Harvesting From Human and Machine Motion for Wireless Electronic Devices. Proceedings of the IEEE, 2008, 96, 1457-1486.	21.3	1,522
2	Air-Gap Convection in Rotating Electrical Machines. IEEE Transactions on Industrial Electronics, 2012, 59, 1367-1375.	7.9	230
3	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
4	Measurement of stator heat transfer in air-cooled axial flux permanent magnet machines. , 2009, , .		29
5	Piezoelectric wind velocity sensor based on the variation of galloping frequency with drag force. Applied Physics Letters, 2020, 116, .	3.3	26
6	Confining Liquids on Silicon Surfaces to Lubricate MEMS. Tribology Letters, 2015, 59, 1.	2.6	11
7	RF MEMS Zipping Varactor With High Quality Factor and Very Large Tuning Range. IEEE Electron Device Letters, 2016, 37, 1340-1343.	3.9	9
8	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
9	Thermosonic flip-chip assembly on flex substrates. , 2012, , .		3
10	Using Ultrasonic Reflection Resonance to Probe Stress Wave Velocity in Assemblies of Spherical Particles. IEEE Sensors Journal, 2021, 21, 22489-22498.	4.7	3
11	Nonlinear Wind Energy Harvesting Based on Mechanical Synchronous Switch Harvesting on Inductor. , 2021, , .		3
12	Micro-welding using laser-generated ultrasound. , 2016, , .		2
13	System Integration for Plastic Electronics Using Room-Temperature Ultrasonic Welding. Advanced Engineering Materials, 2020, 22, 1901309.	3.5	2
14	Theoretical demonstration of a capacitive rotor for generation of alternating current from mechanical motion. Nature Communications, 2021, 12, 3678.	12.8	2
15	Thermosonic-Adhesive flip-chip assembly. , 2012, , .		1
16	Energy Harvesting Piezoelectric Wind Speed Sensor. Journal of Physics: Conference Series, 2019, 1407, 012044.	0.4	1
17	Acoustic Emission Enabled Particle Size Estimation via Low Stress-Variied Axial Interface Shearing. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-10.	4.7	1
18	Industrial applications of laser direct-write processing: a review. , 2007, , .		0

#	ARTICLE	IF	CITATIONS
19	Industrial Applications of Laser Direct-Write Processing: A Review. , 2007, , .		0
20	High-Q continuously tunable zipping varactors with large tuning range. , 2008, , .		0
21	Thermosonic-Adhesive (TS-A) Integration of Flexible Integrated Circuits on Flexible Plastic Substrates. , 2018, , .		0