David Bowen

List of Publications by Year
in descending order

14	78	1478505 6	1588992 8
papers	citations	h-index	g-index

14	14	14	79
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Toroidal Ferrite Transformers With Conformal Laser Direct Structured Windings. IEEE Transactions on Magnetics, 2021, 57, 1-10.	2.1	6
2	Exploration of the 3-D Printing of Transformer Structures With Embedded Ferrite Cores. IEEE Transactions on Magnetics, 2019, 55, 1-5.	2.1	11
3	Scanning tunneling microscopy measurements of the spin Hall effect in tungsten films by using iron-coated tungsten tips. AIP Advances, 2018, 8, 055914.	1.3	3
4	On Local Sensing of Spin Hall Effect in Tungsten Films by Using STM-Based Measurements. IEEE Nanotechnology Magazine, 2018, 17, 914-919.	2.0	5
5	Inductance optimization of miniature Broadband transformers with racetrack shaped ferrite cores for Ethernet applications. AIP Advances, 2017, 7, 056663.	1.3	3
6	A scanning tunneling microscopy based potentiometry technique and its application to the local sensing of the spin Hall effect. AIP Advances, 2017, 7, 125205.	1.3	5
7	Inductance Maximization by Mitigation of Encapsulation Stresses of PCB Embedded Ferrite Broadband Transformers. IEEE Transactions on Magnetics, 2016, 52, 1-4.	2.1	5
8	Zero-footprint Ethernet transformers using circuit-board embedded ferrites. Journal of Applied Physics, 2014, 115, .	2.5	7
9	Performance effects of device scale and core aspect-ratio on dielectric-core circuit board transformers. Journal of Applied Physics, 2014, 115, 17E717.	2.5	1
10	Design Control of Performance in Nested and Interleaved Winding Printed Circuit Board Transformers for Ethernet Applications. IEEE Transactions on Magnetics, 2013, 49, 4013-4016.	2.1	6
11	Analysis of Nested Winding Dielectric-Core Transformers for Ethernet Applications. IEEE Transactions on Magnetics, 2012, 48, 4127-4130.	2.1	5
12	Electromagnetic Modeling of Ethernet Transformers. IEEE Transactions on Magnetics, 2010, 46, 563-569.	2.1	5
13	Excitation and dephasing of circularly polarized plasmon modes in spherical nanoshells for application in all-optical magnetic recording. Journal of Applied Physics, 2009, 105, .	2.5	9
14	Application of Circularly Polarized Plasmon Resonance Modes to All-Optical Magnetic Recording. IEEE Transactions on Magnetics, 2008, 44, 3372-3375.	2.1	7