

David Bowen

List of Publications by Year in descending order

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| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Exploration of the 3-D Printing of Transformer Structures With Embedded Ferrite Cores. IEEE Transactions on Magnetics, 2019, 55, 1-5. | 2.1 | 11 |
| 2 | 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 |
| 3 | Application of Circularly Polarized Plasmon Resonance Modes to All-Optical Magnetic Recording. IEEE Transactions on Magnetics, 2008, 44, 3372-3375. | 2.1 | 7 |
| 4 | Zero-footprint Ethernet transformers using circuit-board embedded ferrites. Journal of Applied Physics, 2014, 115, . | 2.5 | 7 |
| 5 | 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 |
| 6 | Toroidal Ferrite Transformers With Conformal Laser Direct Structured Windings. IEEE Transactions on Magnetics, 2021, 57, 1-10. | 2.1 | 6 |
| 7 | Electromagnetic Modeling of Ethernet Transformers. IEEE Transactions on Magnetics, 2010, 46, 563-569. | 2.1 | 5 |
| 8 | Analysis of Nested Winding Dielectric-Core Transformers for Ethernet Applications. IEEE Transactions on Magnetics, 2012, 48, 4127-4130. | 2.1 | 5 |
| 9 | Inductance Maximization by Mitigation of Encapsulation Stresses of PCB Embedded Ferrite Broadband Transformers. IEEE Transactions on Magnetics, 2016, 52, 1-4. | 2.1 | 5 |
| 10 | 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 |
| 11 | 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 |
| 12 | Inductance optimization of miniature Broadband transformers with racetrack shaped ferrite cores for Ethernet applications. AIP Advances, 2017, 7, 056663. | 1.3 | 3 |
| 13 | 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 |
| 14 | 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 |