

# Brandon M Howe

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

1,881  
citations

471477

17  
h-index

677123

22  
g-index

22  
all docs

22  
docs citations

22  
times ranked

2530  
citing authors

#	ARTICLE	IF	CITATIONS
1	High frequency atomic tunneling yields ultralow and glass-like thermal conductivity in chalcogenide single crystals. <i>Nature Communications</i> , 2020, 11, 6039.	12.8	36
2	Temperature dependent resonant microwave absorption in perpendicular magnetic anisotropy epitaxial films of a spinel ferrite. <i>Journal of Applied Physics</i> , 2019, 125, .	2.5	5
3	Ultrathin interfacial layer with suppressed room temperature magnetization in magnesium aluminum ferrite thin films. <i>Applied Physics Letters</i> , 2019, 115, .	3.3	12
4	Spin-orbit torque and spin pumping in YIG/Pt with interfacial insertion layers. <i>Applied Physics Letters</i> , 2018, 112, .	3.3	28
5	Characterization of magnetomechanical properties in FeGaB thin films. <i>Applied Physics Letters</i> , 2018, 113, .	3.3	53
6	Ultralow Damping in Nanometer-Thick Epitaxial Spinel Ferrite Thin Films. <i>Nano Letters</i> , 2018, 18, 4273-4278.	9.1	48
7	Pseudomorphic spinel ferrite films with perpendicular anisotropy and low damping. <i>Applied Physics Letters</i> , 2018, 113, .	3.3	18
8	Giant optical anisotropy in a quasi-one-dimensional crystal. <i>Nature Photonics</i> , 2018, 12, 392-396.	31.4	269
9	A novel NiZn ferrite integrated magnetic solenoid inductor with a high quality factor at 0.7â€“6 GHz. <i>AIP Advances</i> , 2017, 7, .	1.3	14
10	Acoustically actuated ultra-compact NEMS magnetolectric antennas. <i>Nature Communications</i> , 2017, 8, 296.	12.8	299
11	Coexistence of Low Damping and Strong Magnetoelastic Coupling in Epitaxial Spinel Ferrite Thin Films. <i>Advanced Materials</i> , 2017, 29, 1701130.	21.0	71
12	Control of magnetic relaxation by electric-field-induced ferroelectric phase transition and inhomogeneous domain switching. <i>Applied Physics Letters</i> , 2016, 108, .	3.3	8
13	Non-Volatile Ferroelectric Switching of Ferromagnetic Resonance in NiFe/PLZT Multiferroic Thin Film Heterostructures. <i>Scientific Reports</i> , 2016, 6, 32408.	3.3	23
14	Probing electric field control of magnetism using ferromagnetic resonance. <i>Nature Communications</i> , 2015, 6, 6082.	12.8	85
15	Interfacial charge-mediated non-volatile magnetolectric coupling in Co <sub>0.3</sub> Fe <sub>0.7</sub> /Ba <sub>0.6</sub> Sr <sub>0.4</sub> TiO <sub>3</sub> /Nb:SrTiO <sub>3</sub> multiferroic heterostructures. <i>Scientific Reports</i> , 2015, 5, 7740.	3.3	56
16	Comparison of spin-orbit torques and spin pumping across NiFe/Pt and NiFe/Cu/Pt interfaces. <i>Physical Review B</i> , 2015, 91, .	3.2	166
17	Pseudomorphic Yttrium Iron Garnet Thin Films With Low Damping and Inhomogeneous Linewidth Broadening. <i>IEEE Magnetics Letters</i> , 2015, 6, 1-4.	1.1	65
18	Quantification of the spin-Hall anti-damping torque with a resonance spectrometer. <i>Applied Physics Letters</i> , 2015, 106, .	3.3	15

#	ARTICLE	IF	CITATIONS
19	Significantly Enhanced Inductance and Quality Factor of GHz Integrated Magnetic Solenoid Inductors With $\text{FeGaB}/\text{Al}_2\text{O}_3$ Multilayer Films. IEEE Transactions on Electron Devices, 2014, 61, 1470-1476.	3.0	45
20	Quantification of strain and charge co-mediated magnetoelectric coupling on ultra-thin Permalloy/PMN-PT interface. Scientific Reports, 2014, 4, 3688.	3.3	184
21	Voltage-pulse-induced Non-Volatile Ferroelastic Switching of Ferromagnetic Resonance for Reconfigurable Magnetoelectric Microwave Devices. Advanced Materials, 2013, 25, 4886-4892.	21.0	202
22	Voltage Tuning of Ferromagnetic Resonance with Bistable Magnetization Switching in Energy-Efficient Magnetoelectric Composites. Advanced Materials, 2013, 25, 1435-1439.	21.0	179