

# Atsushi Furuya

## List of Publications by Year in descending order

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12  
papers

1,047  
citations

1478505

6  
h-index

1281871

11  
g-index

12  
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12  
docs citations

12  
times ranked

2040  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fast 3-D Optimization of Magnetic Cores for Loss and Volume Reduction. IEEE Transactions on Magnetics, 2018, 54, 1-4.	2.1	943
2	Micromagnetic Simulations of Magnetization Reversal in Misaligned Multigrain Magnets With Various Grain Boundary Properties Using Large-Scale Parallel Computing. IEEE Transactions on Magnetics, 2014, 50, 1-4.	2.1	39
3	Magnetic Field Analysis for Dimensional Resonance in Mn-Zn Ferrite Toroidal Core and Comparison With Permeability Measurement. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	20
4	Loss Simulation by Finite-Element Magnetic Field Analysis Considering Dielectric Effect and Magnetic Hysteresis in EI-Shaped Mn-Zn Ferrite Core. IEEE Transactions on Magnetics, 2018, 54, 1-5.	2.1	11
5	Vector Magnetic Hysteresis Measurement of Nonoriented Electrical Steel Sheets Under Unidirectional Compressive Stress Applied by Piezoelectric Actuators. IEEE Transactions on Magnetics, 2017, 53, 1-8.	2.1	10
6	Micromagnetic Study of Edge-Damage Effects in Perpendicular CoFeB/MgO Magnetic Tunnel Junction. IEEE Transactions on Magnetics, 2019, 55, 1-5.	2.1	10
7	Application of Improved H-Matrices in Micromagnetic Simulations of Spin Torque Oscillator. IEEE Transactions on Magnetics, 2018, 54, 1-4.	2.1	5
8	Field-free reliable magnetization switching in a three-terminal perpendicular magnetic tunnel junction via spin-orbit torque, spin-transfer torque, and voltage-controlled magnetic anisotropy. Journal Physics D: Applied Physics, 2022, 55, 365003.	2.8	4
9	Demagnetization Correction Method by Using Inverse Analysis Considering Demagnetizing Field Distribution. IEEE Transactions on Magnetics, 2020, 56, 1-4.	2.1	2
10	Lattice H-Matrices for Massively Parallel Micromagnetic Simulations of Current-Induced Domain Wall Motion. IEEE Transactions on Magnetics, 2020, 56, 1-4.	2.1	2
11	Micromagnetic Simulations of Emission Power in Spin Torque Oscillator: Influence of Diameter and Interlayer Exchange Coupling. IEEE Transactions on Magnetics, 2018, 54, 1-5.	2.1	1
12	Micromagnetic study of the write performance in dynamic-double and quad-interface magnetic tunnel junctions. Japanese Journal of Applied Physics, 2020, 59, 083002.	1.5	0