

Makoto Sonehara

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Surface-Oxidized Amorphous Alloy Powder/Epoxy-Resin Composite Bulk Magnetic Core and Its Application to Megahertz Switching LLC Resonant Converter. IEEE Transactions on Magnetics, 2017, 53, 1-6.	2.1	35
2	Fabrication and Evaluation of Composite Magnetic Core Using Iron-Based Amorphous Alloy Powder With Different Particle Size Distributions. IEEE Transactions on Magnetics, 2018, 54, 1-5.	2.1	33
3	Carbonyl-Iron/Epoxy Composite Magnetic Core for Planar Power Inductor Used in Package-Level Power Grid. IEEE Transactions on Magnetics, 2013, 49, 4172-4175.	2.1	31
4	Wideband Visible Wavelength Range MEMS Fabry-Perot Tunable Filter With Highly Accurate Calibration System. IEEE Sensors Journal, 2013, 13, 2930-2936.	4.7	14
5	Fabrication of Planar Power Inductor for Embedded Passives in LSI Package for Hundreds Megahertz Switching DC-DC Buck Converter. IEEE Transactions on Magnetics, 2011, 47, 3204-3207.	2.1	13
6	Fabrication of Ferromagnetic Co-MgF ₂ Granular Film With High Transmittance and Large Faraday Effect for Optical Magnetic Field Sensor. IEEE Transactions on Magnetics, 2018, 54, 1-5.	2.1	11
7	Novel Method for Making Surface Insulation Layer on Fe-Based Amorphous Alloy Powder by Surface-Modification Using Two-Step Acid Solution Processing. IEEE Transactions on Magnetics, 2018, 54, 1-5.	2.1	9
8	Fundamental study on magnetorheological fluid brake for regional jets. Nihon AEM Gakkaishi, 2019, 27, 122-127.	0.1	6
9	Characterization of UHF Band LC Filter With RF Spiral Inductor Using Carbonyl-Iron Powder/Epoxy Composite Magnetic and Chip Capacitor. IEEE Transactions on Magnetics, 2017, 53, 1-5.	2.1	4
10	Fundamental Study of VHF Band Helical Antenna using Fe based Amorphous Composite. IEEJ Transactions on Fundamentals and Materials, 2014, 134, 110-115.	0.2	3
11	Fabrication of a Zn-Ferrite Thick Film Planar Power Inductor for DC-DC Converter LSI Package. IEEJ Transactions on Fundamentals and Materials, 2011, 131, 484-489.	0.2	2
12	Control of Magnetic Moment in Uniaxial Anisotropy Magnetic Thin Film Taking Leakage Flux in RF Planar Spiral Inductors with Closed-Magnetic Core into Account. IEEJ Transactions on Fundamentals and Materials, 2012, 132, 822-826.	0.2	2
13	Wideband Visible Wavelength Range MEMS Fabry-Perot Tunable Filter with Ag Alloy Mirror. IEEJ Transactions on Sensors and Micromachines, 2012, 132, 25-30.	0.1	2
14	Fabrication Techniques of Low-cost PZT Pyroelectric Sensor Adopt the Lift-off Patterned Pt Electrode. IEEJ Transactions on Sensors and Micromachines, 2016, 136, 337-342.	0.1	2
15	Wideband visible wavelength range MEMS Fabry-Perot Tunable Filter with calibration system. , 2012, , .		1
16	Enhancement of Faraday effect of transparent ferromagnetic Co-MgF ₂ granular film by introducing Fabry-Perot resonant structure. Electrical Engineering in Japan (English Translation of) Tj ETQq0 0.4gBT /Overlock 10		0
17	Research Trends and Prospects on Power Supplies and Magnetic Materials for High Frequency Point-of-Load. IEEJ Transactions on Fundamentals and Materials, 2021, 141, 279-288.	0.2	0
18	Recent Progress of High-Frequency Micromagnetics. IEEJ Transactions on Fundamentals and Materials, 2010, 130, 45-49.	0.2	0

#	ARTICLE	IF	CITATIONS
19	High Position Resolution MEMS Fabry-Perot Tunable Filter with Dual Electrodes Electrostatic Actuator. IEEJ Transactions on Sensors and Micromachines, 2013, 133, 54-55.	0.1	0
20	Crystal Growth of PZT Thin Film on Combination with Metal Electrode and Conductive Oxide Layer. IEEJ Transactions on Sensors and Micromachines, 2018, 138, 495-502.	0.1	0
21	Enhancement of Faraday-effect of Transparent Ferromagnetic Co-MgF ₂ Granular Film by Introducing Fabry-pÁ©rot Resonant Structure. IEEJ Transactions on Fundamentals and Materials, 2018, 138, 655-661.	0.2	0
22	Considerations of DC / AC Eddy Current Brake Using Clad Material for Aircraft. , 2021, , .		0
23	Considerations on Shear Stress in Cylindrical Magneto-rheological fluid Brake for Aircraft under High Temperature and High Magnetic Field. , 2021, , .		0