Atsushi Yao

List of Publications by Year
in descending order

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20	207	933447 10	996975 15
papers	citations	h-index	g-index

20	20	20	173
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Logic-memory device of a mechanical resonator. Applied Physics Letters, 2014, 105, .	3.3	51
2	Counter operation in nonlinear micro-electro-mechanical resonators. Physics Letters, Section A: General, Atomic and Solid State Physics, 2013, 377, 2551-2555.	2.1	22
3	Visualization of Au Nanoparticles Buried in a Polymer Matrix by Scanning Thermal Noise Microscopy. Scientific Reports, 2017, 7, 42718.	3.3	19
4	Visualization of subsurface nanoparticles in a polymer matrix using resonance tracking atomic force acoustic microscopy and contact resonance spectroscopy. Nanotechnology, 2016, 27, 415707.	2.6	13
5	Reprogrammable logic-memory device of a mechanical resonator. International Journal of Non-Linear Mechanics, 2017, 94, 406-416.	2.6	13
6	Iron Loss and Hysteretic Properties under PWM Inverter Excitation at High Ambient Temperatures. IEEJ Journal of Industry Applications, 2018, 7, 298-304.	1.1	13
7	Investigating Iron Loss Properties in an Amorphous Ring Excited by Inverters based on Silicon and Gallium Nitride. IEEJ Journal of Industry Applications, 2018, 7, 321-328.	1.1	13
8	Core losses of a permanent magnet synchronous motor with an amorphous stator core under inverter and sinusoidal excitations. AIP Advances, 2018, 8, .	1.3	11
9	Reading and writing operations of memory device in micro-electromechanical resonator. IEICE Electronics Express, 2012, 9, 1230-1236.	0.8	10
10	PWM inverter-excited iron loss characteristics of a reactor core. AIP Advances, 2017, 7, 056618.	1.3	10
11	Core Loss Properties of a Motor With Nanocrystalline Rotor and Stator Cores Under Inverter Excitation. IEEE Transactions on Magnetics, 2018, 54, 1-5.	2.1	9
12	Iron Loss Properties of a Nanocrystalline Ring Core under Si-IGBT and GaN-FET Inverter Excitation. IEEJ Transactions on Industry Applications, 2019, 139, 276-283.	0.2	8
13	Iron loss characteristics of electric motor in high-temperature environment. , 2017, , .		3
14	Soft magnetic characteristics of laminated magnetic block cores assembled with a high Bs nanocrystalline alloy. AIP Advances, 2018, 8, 056640.	1.3	3
15	Effect of Ringing Phenomenon Generated by GaN-FET Inverter on Core Loss Properties of Nanocrystalline Motor. IEEJ Transactions on Industry Applications, 2021, 141, 269-275.	0.2	3
16	Magnetic Multiscale Model for Local Eddy Current Flow in Complex Materials With Insulated Conductive Particles. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	2
17	Iron loss evaluation of magnetic materials excited by a SiC inverter with a Schottky barrier diode wall-integrated trench MOSFET. AIP Advances, 2020, 10, 125129.	1.3	2
18	Read and Write Operations of Memory Device Consisting of Nonlinear MEMS Resonator. IEICE Proceeding Series, 2014, 1, 352-355.	0.0	1

#	Article	IF	Citations
19	Logical Behavior in Memory Devices of Coupled Nonlinear MEMS Resonators. IEICE Proceeding Series, 2014, 2, 30-33.	0.0	1
20	Magnetic multi-scale problem of equivalent electromagnetic material constants for local eddy current flow. , 2016, , .		0