

# Shin Yabukami

## List of Publications by Year in descending order

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21  
papers

230  
citations

1163117

8  
h-index

996975

15  
g-index

21  
all docs

21  
docs citations

21  
times ranked

81  
citing authors

#	ARTICLE	IF	CITATIONS
1	A new permeance meter based on both lumped elements/transmission line theories. IEEE Transactions on Magnetics, 1996, 32, 4941-4943.	2.1	109
2	Permeability Measurements of Magnetic Thin Film with Microstrip Probe. Journal of the Magnetics Society of Japan, 2014, 38, 87-91.	0.9	14
3	A Simple and High Accuracy PID-Based Temperature Control System for Magnetic Hyperthermia Using Fiber Optic Thermometer. IEJ Transactions on Electrical and Electronic Engineering, 2021, 16, 807-809.	1.4	13
4	Permeability Measurements of Thin Film Using a Flexible Microstrip Line-Type Probe Up To 40 GHz. Journal of the Magnetics Society of Japan, 2017, 41, 25-28.	0.9	11
5	A simple and rapid detection system for oral bacteria in liquid phase for point-of-care diagnostics using magnetic nanoparticles. AIP Advances, 2019, 9, .	1.3	11
6	Impact of Complex Permeability Measurements Up to Millimeter-Wave Frequency Range. IEEE Transactions on Magnetics, 2021, 57, 1-5.	2.1	11
7	Magnetolectric effect in nanogranular FeCo-MgF films at GHz frequencies. Journal of Magnetism and Magnetic Materials, 2018, 446, 80-86.	2.3	10
8	GHz Permeability of Soft Magnetic Co-Fe-B Films with High Anisotropy Fields. Journal of the Magnetics Society of Japan, 2003, 27, 371-374.	0.4	8
9	Dynamical magnetic behavior of anisotropic spinel-structured ferrite for GHz technologies. Scientific Reports, 2021, 11, 614.	3.3	8
10	Effect of applied magnetic field on permeability and heating efficiency of multifunctional micro/nano-magnetic particles for hyperthermia therapy. AIP Advances, 2020, 10, .	1.3	7
11	Analysis of thin-film magnetoimpedance behavior in low MHz regions based on domain wall equation and bias susceptibility theory. AIP Advances, 2017, 7, .	1.3	6
12	A Detection and Analysis of <i>Fusobacterium</i> Utilizing Changes in the Magnetic Properties of Magnetic Nanoparticles-Antibody-Antigen Aggregates. IEEE Transactions on Magnetics, 2022, 58, 1-6.	2.1	6
13	Study on measurement technique for magnetization dynamics of thin films. Applied Physics Letters, 2018, 112, 252403.	3.3	5
14	Permeability Measurements of Very Thin Magnetic Film Using a Flexible Microstrip-Line-Type Probe. Journal of the Magnetics Society of Japan, 2015, 39, 111-115.	0.9	3
15	Simultaneous Evaluation of Permeability and Permittivity Using a Flexible Microstrip Line-Type Probe up to 67 GHz. IEEE Transactions on Magnetics, 2022, 58, 1-5.	2.1	3
16	Virus Detection using Second Harmonics of Magnetic Nanoparticles. IEJ Transactions on Electrical and Electronic Engineering, 0, , .	1.4	3
17	Thin Film Permeability Evaluation Based on Skin Effect Using Meander-Type Probe Up to 10.6 GHz. IEEE Transactions on Magnetics, 2011, 47, 2570-2572.	2.1	2
18	Behavior of sensitivity at edge of thin-film magnetoimpedance element. AIP Advances, 2017, 7, 056602.	1.3	0

#	ARTICLE	IF	CITATIONS
19	Development of the New Measurement Technique for Spin Dynamics of Magnetic Thin Films. , 2018, , .		0
20	Development of Elemental Technologies for Magnetic Hyperthermia in Cancer Treatment. IFMBE Proceedings, 2021, , 272-277.	0.3	0
21	Investigating R&D Committee on Magnetic Sensors for High-Performance and Systemization. IEEJ Transactions on Fundamentals and Materials, 2021, 141, 443-445.	0.2	0