

Takanori Tsutaoka

List of Publications by Year in descending order

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times ranked

944
citing authors

#	ARTICLE	IF	CITATIONS
1	Frequency dispersion of complex permeability in Mn ²⁺ /Zn and Ni ²⁺ /Zn spinel ferrites and their composite materials. Journal of Applied Physics, 2003, 93, 2789-2796.	2.5	385
2	Frequency dispersion of permeability in ferrite composite materials. Journal of Magnetism and Magnetic Materials, 1994, 138, 319-328.	2.3	180
3	Negative permeability spectra in Permalloy granular composite materials. Applied Physics Letters, 2006, 88, 172502.	3.3	100
4	Low frequency plasmonic state and negative permittivity spectra of coagulated Cu granular composite materials in the percolation threshold. Applied Physics Letters, 2013, 102, .	3.3	100
5	Permeability spectra of yttrium iron garnet and its granular composite materials under dc magnetic field. Journal of Applied Physics, 2011, 110, .	2.5	79
6	Double negative electromagnetic properties of percolated Fe ₅₃ Ni ₄₇ /Cu granular composites. Applied Physics Letters, 2016, 108, .	3.3	77
7	Negative permittivity and permeability spectra of Cu/yttrium iron garnet hybrid granular composite materials in the microwave frequency range. Applied Physics Letters, 2013, 103, .	3.3	70
8	Dehydrating reaction of metal hydrides and alkali borohydrides enhanced by microwave irradiation. Applied Physics Letters, 2006, 88, 112104.	3.3	63
9	Coexistence of gyromagnetic resonance and low frequency plasmonic state in the submicron Ni granular composite materials. Journal of Applied Physics, 2017, 121, .	2.5	30
10	Magnetic and Electrical Properties of R ₇ Rh ₃ (R=Gd, Tb, Dy, Ho, Er and Y). Journal of the Physical Society of Japan, 2001, 70, 199-202.	1.6	28
11	Irreversible magnetic-field-induced antiferromagnetic to ferromagnetic transition in Nd ₅ Ge ₃ . Physica B: Condensed Matter, 2010, 405, 180-185.	2.7	28
12	Magnetic and transport properties of R ₅ Ge ₃ (R=Gd,Tb) single crystals. Journal of Magnetism and Magnetic Materials, 2004, 272-276, E421-E422.	2.3	24
13	Permeability and permittivity spectra of substituted barium Ferrites BaFe ₁₂ x(Ti _{0.5} Co _{0.5})xO ₁₉ (x=0 to 5). Journal of Magnetism and Magnetic Materials, 2016, 399, 64-71.	2.3	18
14	Electromagnetic properties of Permendur granular composite materials containing flaky particles. Journal of Applied Physics, 2014, 116, 153901.	2.5	17
15	Complex permeability and permittivity spectra of percolated Fe ₅₀ Co ₅₀ /Cu granular composites. Journal of Magnetism and Magnetic Materials, 2017, 442, 403-408.	2.3	14
16	Magnetic properties of DyPdSn. Journal of Alloys and Compounds, 2017, 692, 961-965.	5.5	14
17	Magnetization Process and the Associated Lattice Deformations in an Intermetallic Compound Gd ₅ Ge ₃ . Journal of the Physical Society of Japan, 2008, 77, 053711.	1.6	13
18	Electromagnetic properties of Fe ₅₃ Ni ₄₇ and Fe ₅₃ Ni ₄₇ /Cu granular composite materials in the microwave range. Materials Research Express, 2016, 3, 095801.	1.6	8

#	ARTICLE	IF	CITATIONS
19	High frequency permeability of Fe-Al-Si granular composite materials. , 2011, , .		7
20	Metamagnetic Transitions in Nd ₇ Ni ₃ . Journal of the Physical Society of Japan, 2000, 69, 1850-1855.	1.6	6
21	Competition of two-ion and single-ion anisotropy in rare-earth systems: Large anisotropy example of $Tb_{5\frac{3}{2}}\zeta$. Physical Review B, 2010, 82, .		
22	Magnetic properties of a Nd ₇ Pd ₃ single crystal. Journal of the Korean Physical Society, 2013, 63, 559-562.	0.7	6
23	High-frequency permeability of Fe-Co and Co granular composite materials. Journal of the Korean Physical Society, 2013, 62, 2113-2117.	0.7	6
24	Analysis of the permeability spectra of spinel ferrite composites using mixing rules. , 2013, , .		6
25	Neutron diffraction investigations of zero-field and field-induced magnetic structures of DyNiSn single crystal. Journal of Alloys and Compounds, 2006, 408-412, 136-139.	5.5	5
26	High pressure synthesis and magnetic properties of Dy ₇ Rh ₃ and Tb ₇ Rh ₃ hydrides. Journal of Alloys and Compounds, 2007, 446-447, 610-613.	5.5	5
27	Dielectric properties of Permalloy granular composite materials. Journal of the European Ceramic Society, 2010, 30, 401-406.	5.7	5
28	Giant magnetoresistance and field-induced phase transitions in Tb ₇ Rh ₃ single crystal. Journal of the Korean Physical Society, 2013, 63, 563-566.	0.7	5
29	Percolation-induced plasmonic state and double negative electromagnetic properties of Ni-Zn Ferrite/Cu granular composite materials. Journal of Magnetism and Magnetic Materials, 2018, 454, 320-326.	2.3	5
30	High Frequency Permeability of Permalloy and its Composite Materials. Journal of the Magnetism Society of Japan, 1998, 22, S1_295-297.	0.4	4
31	Electromagnetic properties of Fe-Co granular composite materials containing acicular nanoparticles. Materials Research Express, 2018, 5, 036107.	1.6	4
32	Electromagnetic Properties of Au/Fe ₅₃ Ni ₄₇ Hybrid Granular Composite Materials. IEEE Transactions on Magnetics, 2019, 55, 1-4.	2.1	4
33	Reflection and transmission of laminated structures using finite- and infinite-length metal wire array. , 2013, , .		3
34	Syntheses and properties of several metastable and stable hydrides derived from intermetallic compounds under high hydrogen pressure. Applied Surface Science, 2016, 388, 723-730.	6.1	3
35	Reflection and Transmission Characteristics of Laminated Structures Consisting a Dipole Array Sheet and a Wire Grid and Dielectric Layer. IEICE Transactions on Communications, 2015, E98.B, 1235-1241.	0.7	3
36	Negative Permeability Spectra of Magnetic Materials. , 2008, , .		2

#	ARTICLE	IF	CITATIONS
37	Electromagnetic properties of metal granular composite materials for EMC applications. , 2012, , .		2
38	Electromagnetic Properties of Fe ₅₀ Co ₅₀ /Cu Granular Composite Materials Containing Flaky Particles. IEEE Transactions on Magnetics, 2019, 55, 1-4.	2.1	2
39	Magnetic Field Effect on the Permeability of Mn-Zn Ferrite Composite Materials. Journal of the Magnetics Society of Japan, 2001, 25, 943-946.	0.4	1
40	Deuteration-induced ferromagnetic metallic properties in R ₇ Rh ₃ D _x (R = Tb, Dy). Journal of the Korean Physical Society, 2013, 63, 367-371.	0.7	1
41	Magnetic and electrical properties of R ₅ Ir ₃ (R = Tb, Er). AIP Advances, 2018, 8, .	1.3	1
42	Analysis of Incommensurate Magnetic Structures of Rare-Earth Intermetallides Tb ₃ Ni and Ho ₇ Rh ₃ Using the Magnetic Supersymmetry Group Formalism. Physics of Metals and Metallography, 2019, 120, 1152-1158.	1.0	1
43	Particle size effect on the complex permeability for permalloy composite materials. , 1999, , .		0
44	HF characteristics of laminated structure consisting with negative permittivity and high permittivity materials. , 2015, , .		0
45	Transmission characteristics of multilayered structures using negative permittivity materials and dielectric materials. , 2016, , .		0
46	Reflection characteristic measurements of thin EM wave absorbers in the microwave band. , 2017, , .		0
47	Relative Permittivity and Permeability Evaluations of Thin Metamaterial EM Wave Absorbers. , 2018, , .		0