Takanori Tsutaoka

List of Publications by Year
in descending order

47 papers	1,341 citations	623734 14 h-index	345221 36 g-index
47 all docs	47 docs citations	47 times ranked	944 citing authors

#	Article	IF	Citations
1	Electromagnetic Properties of Au/Fe₅₃Ni₄₇ Hybrid Granular Composite Materials. IEEE Transactions on Magnetics, 2019, 55, 1-4.	2.1	4
2	Electromagnetic Properties of Fe50Co50/Cu Granular Composite Materials Containing Flaky Particles. IEEE Transactions on Magnetics, 2019, 55, 1-4.	2.1	2
3	Analysis of Incommensurate Magnetic Structures of Rare-Earth Intermetallides Tb3Ni and Ho7Rh3 Using the Magnetic Supersymmetry Group Formalism. Physics of Metals and Metallography, 2019, 120, 1152-1158.	1.0	1
4	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
5	Electromagnetic properties of Fe-Co granular composite materials containing acicular nanoparticles. Materials Research Express, 2018, 5, 036107.	1.6	4
6	Relative Permittivity and Permeability Evaluations of Thin Metamaterial EM Wave Absorbers. , 2018, , .		0
7	Magnetic and electrical properties of R5Ir3 (R = Tb, Er). AIP Advances, 2018, 8, .	1.3	1
8	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
9	Complex permeability and permittivity spectra of percolated Fe50Co50/Cu granular composites. Journal of Magnetism and Magnetic Materials, 2017, 442, 403-408.	2.3	14
10	Magnetic properties of DyPdSn. Journal of Alloys and Compounds, 2017, 692, 961-965.	5.5	14
11	Reflection characteristic measurements of thin EM wave absorbers in the microwave band. , 2017, , .		0
12	Double negative electromagnetic properties of percolated Fe53Ni47/Cu granular composites. Applied Physics Letters, 2016, 108, .	3.3	77
13	Electromagnetic properties of Fe₅₃Ni₄₇and Fe₅₃Ni₄₇/Cu granular composite materials in the microwave range. Materials Research Express, 2016, 3, 095801.	1.6	8
14	Transmission characteristics of multilayered structures using negative permittivity materials and dielectric materials. , 2016, , .		0
15	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
16	Permeability and permittivity spectra of substituted barium Ferrites BaFe12â^'x(Ti0.5Co0.5)xO19(x=0 to 5). Journal of Magnetism and Magnetic Materials, 2016, 399, 64-71.	2.3	18
17	HF characteristics of laminated structure consisting with negative permittivity and high permittivity materials. , 2015, , .		0
18	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

#	Article	IF	Citations
19	Electromagnetic properties of Permendur granular composite materials containing flaky particles. Journal of Applied Physics, 2014, 116, 153901.	2.5	17
20	Giant magnetoresistance and field-induced phase transitions in Tb7Rh3 single crystal. Journal of the Korean Physical Society, 2013, 63, 563-566.	0.7	5
21	Magnetic properties of a Nd7Pd3 single crystal. Journal of the Korean Physical Society, 2013, 63, 559-562.	0.7	6
22	High-frequency permeability of Fe-Co and Co granular composite materials. Journal of the Korean Physical Society, 2013, 62, 2113-2117.	0.7	6
23	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
24	Deuteration-induced ferromagnetic metallic properties in R 7Rh3D x (R = Tb, Dy). Journal of the Korean Physical Society, 2013, 63, 367-371.	0.7	1
25	Reflection and transmission of laminated structures using finite- and infinite-length metal wire array. , 2013, , .		3
26	Analysis of the permeability spectra of spinel ferrite composites using mixing rules. , 2013, , .		6
27	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
28	Electromagnetic properties of metal granular composite materials for EMC applications. , 2012, , .		2
29	High frequency permeability of Fe-Al-Si granular composite materials. , 2011, , .		7
30	Permeability spectra of yttrium iron garnet and its granular composite materials under dc magnetic field. Journal of Applied Physics, 2011, 110, .	2.5	79
31	Dielectric properties of Permalloy granular composite materials. Journal of the European Ceramic Society, 2010, 30, 401-406.	5.7	5
32	Irreversible magnetic-field-induced antiferromagnetic to ferromagnetic transition in Nd5Ge3. Physica B: Condensed Matter, 2010, 405, 180-185.	2.7	28
33	Competition of two-ion and single-ion anisotropy in rare-earth systems: Large anisotropy example of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Tb</mml:mtext></mml:mrow><mml:mn>5</mml:mn></mml:m Physical Review B, 2010, 82, .	3.2	6
34	Negative Permeability Spectra of Magnetic Materials. , 2008, , .		2
35	Magnetization Process and the Associated Lattice Deformations in an Intermetallic Compound Gd5Ge3. Journal of the Physical Society of Japan, 2008, 77, 053711.	1.6	13
36	High pressure synthesis and magnetic properties of Dy7Rh3 and Tb7Rh3 hydrides. Journal of Alloys and Compounds, 2007, 446-447, 610-613.	5.5	5

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37	Negative permeability spectra in Permalloy granular composite materials. Applied Physics Letters, 2006, 88, 172502.	3.3	100
38	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
39	Dehydriding reaction of metal hydrides and alkali borohydrides enhanced by microwave irradiation. Applied Physics Letters, 2006, 88, 112104.	3.3	63
40	Magnetic and transport properties of R5Ge3 (R=Gd,Tb) single crystals. Journal of Magnetism and Magnetic Materials, 2004, 272-276, E421-E422.	2.3	24
41	Frequency dispersion of complex permeability in Mnâ€“Zn and Niâ€“Zn spinel ferrites and their composite materials. Journal of Applied Physics, 2003, 93, 2789-2796.	2.5	385
42	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
43	Magnetic and Electrical Properties of R7Rh3(R=Gd, Tb, Dy, Ho, Er and Y). Journal of the Physical Society of Japan, 2001, 70, 199-202.	1.6	28
44	Metamagnetic Transitions in Nd7Ni3. Journal of the Physical Society of Japan, 2000, 69, 1850-1855.	1.6	6
45	Particle size effect on the complex permeability for permalloy composite materials. , 1999, , .		0
46	High Frequency Permeability of Permalloy and its Composite Materials. Journal of the Magnetics Society of Japan, 1998, 22, S1_295-297.	0.4	4
47	Frequency dispersion of permeability in ferrite composite materials. Journal of Magnetism and Magnetic Materials, 1994, 138, 319-328.	2.3	180