Manabu Hagiwara

List of Publications by Year
in descending order

66	743	623734	610901
papers	citations	14 h-index	24 g-index

67	67	67	811
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Grain-size-insensitive dielectric properties of Sr0.6Ba0.4Nb2O6 relaxor ferroelectric ceramics with tetragonal tungsten bronze structure. Ceramics International, 2022, 48, 6819-6825.	4.8	1
2	Ni-doping effect on thermoelectric properties of c-axis-oriented CuFeO2 ceramics. Journal of Alloys and Compounds, 2022, 905, 164192.	5.5	2
3	Ti doping and low-temperature sintering of BiFeO3 nanoparticles synthesized by the solvothermal method. Ceramics International, 2022, 48, 32723-32729.	4.8	4
4	Effect of dual doping by rare-earth and sodium ions on thermoelectric properties of CaMnO₃ ceramics. Journal of the Ceramic Society of Japan, 2022, 130, 403-409.	1.1	2
5	Fabrication of bismuth silicate Bi2SiO5 ceramics as a potential high-temperature dielectric material. Journal of Materials Science, 2021, 56, 8415-8426.	3.7	8
6	Effects of dual lanthanide ions doping on optical and electrical properties of barium stannate with Ba1â€“â€“La Sm SnO3 compositions. Journal of Alloys and Compounds, 2021, 861, 158566.	5.5	2
7	Fabrication of mesostructured Y2O3:Eu3+ materials from metalâ€“organic frameworks and their H2O2-sensitive turn-off luminescence. Optical Materials, 2021, 116, 111111.	3.6	0
8	Fabrication of p-type semiconducting NiCo₂O₄ thin films using hydroxide nanoplatelet precursors and their application to N749-sensitized photocathodes. Journal of the Ceramic Society of Japan, 2021, 129, 348-354.	1.1	0
9	(Bi_{1/2}K_{1/2})TiO₃ lead-free ferroelectric ceramics: processing, properties, and compositional modifications. Journal of the Ceramic Society of Japan, 2021, 129, 496-503.	1.1	8
10	Comparative hydrothermal synthesis of CeO‹sub›2‹/sub› crystals for use in light-scattering layers of dye-sensitized solar cells. CrystEngComm, 2021, 23, 1415-1422.	2.6	7
11	Fabrication of meso- and macro-porous Y2WO6:Eu3+ phosphor thin films by Pechini-type solâ€“gel dip-coating method and their characteristic optical properties. Journal of Sol-Gel Science and Technology, 2021, 100, 232-243.	2.4	1
12	Fabrication of highly textured Ca3Co4O9 ceramics with controlled density and high thermoelectric power factors. Journal of the European Ceramic Society, 2020, 40, 1338-1343.	5.7	13
13	Fabrication of highly (1 1 1)-oriented Cu2O films on glass substrates by repeated chemical bath deposition. Journal of Crystal Growth, 2020, 551, 125920.	1.5	2
14	Hydrothermal growth of c-axis oriented ferroelectric (Bi1/2K1/2)TiO3 films on metal substrates. Thin Solid Films, 2020, 713, 138342.	1.8	1
15	Effect of particle size and morphology on the performance of BiFeO‹sub›3‹/sub›â€“PDMS piezoelectric generators. CrystEngComm, 2020, 22, 2919-2925.	2.6	10
16	Chemical bath deposition of transparent ZnO films incorporated with erythrosine B molecules and their synergetic electro/photochromic properties. CrystEngComm, 2020, 22, 2447-2453.	2.6	6
17	Reactive Templated Grain Growth and Thermoelectric Power Factor Enhancement of Textured CuFeO‹sub›2‹/sub› Ceramics. ACS Applied Energy Materials, 2020, 3, 1979-1987.	5.1	11
18	(Bi1/2K1/2)TiO3â€“SrTiO3 solid-solution ceramics for high-temperature capacitor applications. Ceramics International, 2020, 46, 10242-10249.	4.8	22

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19	Ferroelectric and piezoelectric properties of (Bi1/2K1/2)(Zr Ti1â˜)O3 lead-free ceramics. Materials Letters, 2020, 271, 127776.	2.6	4
20	Synthesis of Pt-Loaded Y₂WO₆:Eu³⁺ Microspheres and Their Hydrogen-Sensitive Turn-Off Luminescence. ACS Omega, 2020, 5, 6697-6704.	3.5	5
21	Effect of micro-/mesoporous structures on H₂O₂ sensing ability of YVO₄:Eu³⁺ phosphor particles. Journal of the Ceramic Society of Japan, 2020, 128, 532-538.	1.1	2
22	Hydrothermal synthesis of monodispersed CePO4:Tb3+ porous microspheres and their redox-responsive luminescence. SN Applied Sciences, 2019, 1, 1.	2.9	4
23	Chemical solution deposition of magnetoelectric ZnOâ€“La2CoMnO6 nanocomposite thin films using a single precursor solution. Materials Chemistry and Physics, 2019, 236, 121762.	4.0	3
24	Synthesis of hollow and aggregated CeO2:Sm3+ microspheres and their redox-responsive luminescence. Journal of Alloys and Compounds, 2019, 787, 1074-1081.	5.5	12
25	Controlled 90Â° domain wall motion in BaTiO3 piezoelectric ceramics modified with acceptor ions localized near grain boundaries. SN Applied Sciences, 2019, 1, 1.	2.9	5
26	Fabrication and Refractive Index Control of Transparent and Luminescent HfO₂:Ln³⁺ (Ln³⁺ = Eu³⁺, Tb³⁺) Thin Films for Enhanced Surface Emissions. ECS Journal of Solid State Science and Technology, 2019, 8, R169-R175.	1.8	2
27	Biphasic Solâ€“Gel Synthesis of Microstructured/Nanostructured YVO₄:Eu³⁺ Materials and Their H₂O₂ Sensing Ability. ACS Omega, 2019, 4, 20353-20361.	3.5	9
28	Synthesis of Caâ€“Co hydroxides and their use in facile fabrication of textured Ca CoO2 thermoelectric ceramics. Ceramics International, 2019, 45, 3600-3607.	4.8	2
29	A novel synthesis method of delafossite-type CuYO₂ using a layered yttrium hydroxide as an yttrium source. Journal of the Ceramic Society of Japan, 2018, 126, 286-291.	1.1	4
30	Structural improvement of ZnO electrodes through solution-processed routes for enhancing open-circuit voltage in dye-sensitized solar cells. Journal of Solid State Electrochemistry, 2018, 22, 3119-3127.	2.5	4
31	Fluorochromic Properties of Undoped and Ln³⁺-Doped CaWO₄Phosphor Particles. ECS Journal of Solid State Science and Technology, 2018, 7, R50-R56.	1.8	16
32	Defects and microstructure of a hydrothermally derived (Bi1/2K1/2)TiO3 powder. Journal of Asian Ceramic Societies, 2017, 5, 31-35.	2.3	12
33	Size-controlled synthesis of ZIF-8 particles and their pyrolytic conversion into ZnO aggregates as photoanode materials of dye-sensitized solar cells. CrystEngComm, 2017, 19, 2844-2851.	2.6	27
34	Fabrication of luminescence-sensing films based on surface precipitation reaction of Mgâ€“Alâ€“Eu LDHs. Journal of Sol-Gel Science and Technology, 2017, 82, 380-389.	2.4	4
35	Solvent-assisted microstructural evolution and enhanced performance of porous ZnO films for plastic dye-sensitized solar cells. Journal of Power Sources, 2017, 342, 148-156.	7.8	13
36	Physically based DC lifetime model for lead zirconate titanate films. Applied Physics Letters, 2017, 111, .	3.3	7

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37	A biphasic solâ€“gel route to synthesize anatase TiO₂particles under controlled conditions and their DSSC application. Journal of Asian Ceramic Societies, 2017, 5, 427-435.	2.3	13
38	Relaxor-ferroelectric crossover in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mrow><mml:mo>(</mml:mo><mml:mi) Tj ETQq0 0 0 rgBT /O	3.2	38
39	Physical Review B, 2017, 96, . Hydrothermal synthesis of lead-free perovskite (Bi_{1/2}K_{1/2})(Zr<i>_x</i>Ti<sub>1 −&l powders. Journal of the Ceramic Society of Japan, 2017, 125, 454-457.		
40	Effect of thermal history on stability of the relaxor state in (Bi_{1/2}K_{1/2})TiO₃ceramics. Japanese Journal of Applied Physics, 2017, 56, 10PC03.	1.5	10
41	Fabrication of Luminescent Antireflective Coatings with CaMoO4:Eu3+/Ag Composite Structure. Coatings, 2017, 7, 74.	2.6	3
42	Grain size effect on electrical properties of Mn-modified 0.67BiFeO3â€“0.33BaTiO3 lead-free piezoelectric ceramics. Ceramics International, 2016, 42, 8206-8211.	4.8	33
43	Liquid-Phase Synthesis of Ba₂V₂O₇ Phosphor Powders and Films Using Immiscible Biphasic Organicâ€“Aqueous Systems. Inorganic Chemistry, 2016, 55, 7879-7885.	4.0	10
44	Room-temperature fabrication of nanocrystalline CePO₄:Tb³⁺ films by SILAR method and their luminescence-switching properties. Journal of the Ceramic Society of Japan, 2016, 124, 37-41.	1.1	8
45	Effect of orientation and density of hydroxide precursor films on performance of dye-sensitized ZnO solar cells. Journal of the Ceramic Society of Japan, 2016, 124, 673-677.	1.1	3
46	Fabrication of transparent conductive zinc oxide films by chemical bath deposition using solutions containing Zn²⁺ and Al³⁺ ions. Journal of the Ceramic Society of Japan, 2015, 123, 329-334.	1.1	2
47	Fabrication of layered hydroxide zinc nitrate films and their conversion to ZnO nanosheet assemblies for use in dye-sensitized solar cells. Journal of Asian Ceramic Societies, 2015, 3, 144-150.	2.3	15
48	Effects of <scp>CuO</scp> Addition on Electrical Properties of 0.6<scp>BiFeO</scp>₃â€“0.4(<scp>Bi</scp>_{0.5}<scp>K</scp>_{0.5})<scp>TiO</scp>₃ Leadâ€Free Piezoelectric Ceramics. Journal of the American Ceramic Society, 2015, 98, 469-475.	3.8	28
49	Fabrication of Transparent ZnO Thick Film with Unusual Orientation by the Chemical Bath Deposition. Crystal Growth and Design, 2015, 15, 3150-3156.	3.0	12
50	Grain-size-dependent spontaneous relaxor-to-ferroelectric phase transition in (Bi1/2K1/2)TiO3 ceramics. Applied Physics Letters, 2015, 107, .	3.3	41
51	Fabrication of dense (Bi1/2K1/2)TiO3 ceramics using hydrothermally derived fine powders. Journal of Materials Science, 2015, 50, 5970-5977.	3.7	17
52	Grain size effect on phase transition behavior and electrical properties of (Bi_{1/2}K_{1/2})TiO₃piezoelectric ceramics. Japanese Journal of Applied Physics, 2015, 54, 10ND10.	1.5	37
53	Luminescence Sensing of Redox States Using CeO₂:Sm³⁺Phosphor Thin Films. ECS Journal of Solid State Science and Technology, 2014, 3, R109-R114.	1.8	11
54	Synthesis of blue-luminescent CaNb₂O₆ by using a biphasic liquid method at low temperatures. Journal of the Ceramic Society of Japan, 2014, 122, 12-16.	1.1	9

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55	Growth and Characterization of Ca₂Al₂SiO₇ Piezoelectric Single Crystals for High-Temperature Sensor Applications. Japanese Journal of Applied Physics, 2013, 52, 09KD03.	1.5	25
56	Calcium aluminate silicate Ca2Al2SiO7 single crystal applicable to piezoelectric sensors at high temperature. Applied Physics Letters, 2013, 102, .	3.3	54
57	Identicalness between Piezoelectric Loss and Dielectric Loss in Converse Effect of Piezoelectric Ceramic Resonators. Japanese Journal of Applied Physics, 2012, 51, 09LD10.	1.5	4
58	Analysis of vibration waveforms of electromechanical response to determine piezoelectric and electrostrictive coefficients. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2012, 59, 1632-1638.	3.0	3
59	Quantum Error Correction Beyond the Bounded Distance Decoding Limit. IEEE Transactions on Information Theory, 2012, 58, 1223-1230.	2.4	80
60	Identicalness between Piezoelectric Loss and Dielectric Loss in Converse Effect of Piezoelectric Ceramic Resonators. Japanese Journal of Applied Physics, 2012, 51, 09LD10.	1.5	7
61	Analysis of nonlinear transient responses of piezoelectric resonators. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2011, 58, 1721-1729.	3.0	25
62	Nonlinear Shear Response in (K,Na)NbO₃-Based Lead-Free Piezoelectric Ceramics. Key Engineering Materials, 2010, 445, 47-50.	0.4	3
63	Nonlinear Shear Responses of Lead Zirconate Titanate Piezoelectric Ceramics. Japanese Journal of Applied Physics, 2010, 49, 09MD04.	1.5	10
64	Domain Contribution to Elastic Nonlinearity in Pb(Zr, Ti)O₃-Based Piezoelectric Ceramics. Key Engineering Materials, 0, 582, 3-6.	0.4	1
65	A large piezoelectric voltage coefficient in aluminate-sodalite-type improper ferroelectric oxides. Journal of Materials Chemistry C, 0, , .	5.5	1
66	Redox-induced dual optical switching of CaTiO3:Pr3+ phosphor nanoparticles synthesized by solâ€“gel method. Journal of Sol-Gel Science and Technology, 0, , .	2.4	0