Hiroshi Takashima

List of Publications by Year
in descending order

59	1,335	482844 16	340881 36
papers	citations	h-index	g-index

60	60	60	1448
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Superconducting Connections Between NbTi Thin Films With NbN Paste. IEEE Transactions on Applied Superconductivity, 2024, 34, 1-4.	1.7	0
2	Low-Temperature Direct Synthesis of Multilayered h-BN without Catalysts by Inductively Coupled Plasma-Enhanced Chemical Vapor Deposition. ACS Omega, 2023, 8, 5497-5505.	3.6	6
3	Superconducting Flexible Organic/Inorganic Hybrid Compound Adhesives. ACS Omega, 2022, 7, 47405-47410.	3.6	3
4	A computational search for wurtzite-structured ferroelectrics with low coercive voltages. APL Materials, 2020, 8, .	4.8	27
5	Electroluminescence in perovskite oxide nanocrystals. AIP Advances, 2020, 10, .	1.3	1
6	Role of Pr³⁺ ions as hole-trapping centers for the electroluminescence of (Ca_{0.6}Sr_{0.4})_{0.998}Pr_{0.002}Ti_{0.9}Al_{0.1}O₃â^'Î´ </sub> thin films. Japanese Journal of Applied Physics, 2020, 59, 092005.	1.5	3
7	Ultraviolet penetration depth of phosphor Pr-doped Ca0.6Sr0.4TiO3 epitaxial film. Ceramics International, 2019, 45, 21011-21014.	4.9	4
8	Atomic-Scale Observation of Titanium-Ion Shifts in Barium Titanate Nanoparticles: Implications for Ferroelectric Applications. ACS Applied Nano Materials, 2019, 2, 5761-5768.	5.2	17
9	Time dependence of current density, luminance, and efficiency under dc voltages for the thin-film electroluminescent device containing praseodymium and aluminum co-doped perovskite titanate phosphor. Japanese Journal of Applied Physics, 2019, 58, SFFB01.	1.6	2
10	Hydrothermal synthesis of perovskite metal oxide nanoparticles in supercritical water. Ferroelectrics, 2019, 539, 1-8.	0.6	8
11	Preparation and luminescence properties of Pr, Al doped SrTiO3 thin films. Ferroelectrics, 2019, 539, 153-158.	0.6	1
12	Effects of doping by aluminum or lanthanum on the electrical and electroluminescence properties of Ca0.6Sr0.4TiO3:Pr thin films. Journal of Luminescence, 2019, 207, 424-429.	3.2	8
13	Preparation of YBa2Cu3O7-Î´ and La1.85Sr0.15 CuO4 Bilayer Structure for Superconducting Connection. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-4.	1.7	2
14	Room-temperature growth of thin films of niobium on strontium titanate (0â€¯0â€¯1) single-crystal substrates for superconducting joints. Applied Surface Science, 2018, 444, 71-74.	6.3	7
15	Synthesis of praseodymium-ion-doped perovskite nanophosphor in supercritical water. Materials Research Express, 2018, 5, 055034.	1.7	4
16	Photoluminescent Properties and Local Structure of Tb Doped Fibrous Alumina. Bulletin of the Chemical Society of Japan, 2018, 91, 1731-1738.	3.3	0
17	Growth and superconductivity of niobium titanium alloy thin films on strontium titanate (001) single-crystal substrates for superconducting joints. Scientific Reports, 2018, 8, 15135.	3.4	11
18	Electrical and electroluminescence properties of Ca0.6Sr0.4TiO3:Pr thin film: Anomalous current and luminance relaxation. Journal of Luminescence, 2018, 200, 175-180.	3.2	6

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19	Preparation of p-type semiconductor perovskite La1â€“Sr CoO3 films and their pâ€“n heterostructure devices. Applied Surface Science, 2017, 422, 869-872.	6.3	3
20	Surface morphology and dielectric behavior of perovskite SrTiO 3 thin film in heterostructure electroluminescence devices. Current Applied Physics, 2017, 17, 657-660.	2.5	4
21	Thin-film perovskite electroluminescence with BaTiO₃ films as insulating layers. Ferroelectrics, 2017, 512, 100-104.	0.6	5
22	Near-infrared luminescence in perovskite BaSnO3 epitaxial films. Applied Physics Letters, 2017, 111, 091903.	3.2	9
23	Photo- and cathodoluminescence of Eu3+ or Tb3+ doped CaZrO3 films prepared by pulsed laser deposition. Optical Materials, 2017, 73, 504-508.	3.7	16
24	UV cathodoluminescence of Gd³⁺doped and Gd³⁺ï£¿Pr³⁺co-doped YAlO₃epitaxial thin films. Physica Status Solidi (A) Applications and Materials Science, 2015, 212, 703-706.	1.9	14
25	Ultrafast hydrothermal synthesis of Pr-doped Ca0.6Sr0.4TiO3 red phosphor nanoparticles using corrosion resistant microfluidic devices with Ti-lined structure under high-temperature and high-pressure condition. Chemical Engineering Journal, 2014, 239, 360-363.	13.0	9
26	Electroluminescence near interfaces between (Ca,Sr)TiO3:Pr phosphor and SnO2:Sb transparent conductor thin films prepared by solâ€“gel and spin-coating methods. Journal of Luminescence, 2014, 149, 133-137.	3.2	22
27	Oxygen Diffusion and Nonstoichiometry in BiFeO₃. Inorganic Chemistry, 2013, 52, 12806-12810.	4.2	14
28	Preparation and Photoluminescence Property of Praseodymium Doped Calcium Titanate Nanocrystals. ECS Transactions, 2013, 50, 19-24.	0.6	4
29	Nonlinear Electrical Properties of Thin Films of a Light-Emitting Perovskite-Type Oxide Pr0.002(Ca0.6Sr0.4)0.997TiO3. Procedia Engineering, 2012, 36, 388-395.	1.2	8
30	Oriented growth of luminescent strontium stannate films using a unilamellar nanosheet seed-layer. Thin Solid Films, 2012, 522, 100-103.	1.9	3
31	Fabrication of boehmite and Al2O3 nonwovens from boehmite nanofibres and their potential as the sorbent. Journal of Materials Chemistry, 2012, 22, 21225.	6.7	11
32	Self-standing microporous films of arrayed alumina nano-fibers including Schiff base molecules: effect of the environment around the molecules on their photo-luminescence. Journal of Materials Chemistry, 2012, 22, 9738.	6.7	6
33	Surface treatment- and calcination temperature-dependent adsorption of methyl orange molecules in wastewater on self-standing alumina nanofiber films. Journal of Materials Chemistry, 2011, 21, 14984.	6.7	25
34	Enhancement of Quantum Ferroelectricity in SrTi^{18}O$_{3}$ Thin Film. Applied Physics Express, 2011, 4, 091501.	2.4	3
35	Adsorption of Anionic Nanosheets from Their Dilute Colloidal Suspensions onto Gasâ^'Liquid Interfaces with and without a Langmuir Film of Cationic Surfactant. Langmuir, 2010, 26, 2514-2520.	3.7	9
36	Lowâ€Ðrivingâ€Voltage Electroluminescence in Perovskite Films. Advanced Materials, 2009, 21, 3699-3702.	24.3	99

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37	Nanosheet Seed-Layer Assists Oriented Growth of Highly Luminescent Perovskite Films. Chemistry of Materials, 2009, 21, 21-26.	7.1	47
38	Photoluminescence from Epitaxial Films of Perovskite-type Alkaline-earth Stannates. Applied Physics Express, 2008, 1, 015003.	2.4	29
39	Capacitance thermometer made of oxygen isotope-exchanged strontium titanate perovskite. Applied Physics Letters, 2006, 88, 082906.	3.2	7
40	Red photoluminescence in praseodymium-doped titanate perovskite films epitaxially grown by pulsed laser deposition. Applied Physics Letters, 2006, 89, 261915.	3.2	46
41	Capacitance Temperature Sensor Using Ferroelectric (Sr0.95Ca0.05)TiO3Perovskite. Ferroelectrics, 2006, 331, 141-145.	0.6	6
42	Capacitance temperature sensor using epitaxial SrTiO3 film with a single-crystal-like behavior. Thin Solid Films, 2005, 486, 145-148.	1.9	14
43	Influence of a degraded SrTiO3 layer at the YBa2Cu3O7â˜Î´SrTiO3 interface on the dielectric behavior at cryogenic temperature. Cryogenics, 2005, 45, 300-303.	1.7	0
44	Non-destructive Detection of Defects in Carbon Fiber-Reinforced Carbon Matrix Composites Using SQUID. IEICE Transactions on Electronics, 2005, E88-C, 180-187.	0.6	3
45	Structure and Dielectric Behavior of Epitaxially Grown SrTiO3Film between YBa2Cu3O7-Î´Electrodes. Japanese Journal of Applied Physics, 2004, 43, L170-L172.	1.6	9
46	Behavior of class-level landscape metrics across gradients of class aggregation and area. Landscape Ecology, 2004, 19, 435-455.	4.2	275
47	Fabrication of grain boundary Josephson junction on top layer of YBCO multilayer using chemical mechanical planarization. Physica C: Superconductivity and Its Applications, 2003, 392-396, 1367-1372.	1.2	5
48	Preparation of parallel capacitor of epitaxial SrTiO3 film with a single-crystal-like behavior. Applied Physics Letters, 2003, 83, 2883-2885.	3.2	27
49	Fabrication of High-Quality YBa2Cu3O7-Î´ Multilayer Structure Using Chemical Mechanical Planarization for Superconducting Quantum Interference Device Gradiometer. Japanese Journal of Applied Physics, 2002, 41, L1062-L1065.	1.6	6
50	Non-contact SQUID-NDT method using a ferrite core for carbon-fibre composites. Superconductor Science and Technology, 2002, 15, 1728-1732.	3.5	17
51	Regulated Epitaxy of YBa2Cu3O7-Î´ by Atomic Control of Step Arrays on Vicinal SrTiO3(100) Substrates. Japanese Journal of Applied Physics, 1999, 38, L1499-L1501.	1.6	8
52	TUNNELING SPECTROSCOPY AND PAIRING SYMMETRY OF THE HIGH-Tc SUPERCONDUCTORS. Journal of Physics and Chemistry of Solids, 1998, 59, 2034-2039.	4.1	51
53	Control of Step Arrays on Normal and Vicinal SrTiO3(100) Substrates. Japanese Journal of Applied Physics, 1998, 37, L1014-L1016.	1.6	16
54	Origin of zero-bias conductance peaks in high-Tcsuperconductors. Physical Review B, 1995, 51, 1350-1353.	3.3	372

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55	Low-Temperature Scanning Tunneling Spectroscopy of a-Axis-Oriented PrBa2Cu3O y Films on YBa2Cu3O x. Japanese Journal of Applied Physics, 1995, 34, 89-92.	1.6	3
56	Single crystal growth of superconducting La2-xBaxCuO4 by TSFZ method. Physica C: Superconductivity and Its Applications, 1993, 209, 442-448.	1.2	17
57	Properties of Boehmite AlO(OH) Nanoparticles as the Coatings and Fillers. Key Engineering Materials, 0, 512-515, 604-608.	0.2	2
58	Preparation of Rare-Earth Doped Zirconia Nanoparticles via Supercritical Hydrothermal Method for Luminescence Properties. Key Engineering Materials, 0, 512-515, 59-64.	0.2	4
59	Hexagonal Boron Nitride Seed Layer-Assisted van der Waals Growth of BaSnO₃ Perovskite Films. ACS Omega, 0, , .	3.6	0