

Noriko Saito

List of Publications by Year in descending order

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62
papers

1,551
citations

394421

19
h-index

302126

39
g-index

64
all docs

64
docs citations

64
times ranked

1856
citing authors

#	ARTICLE	IF	CITATIONS
1	Au-Decorated 1D SnO ₂ Nanowire/2D WS ₂ Nanosheet Composite for CO Gas Sensing at Room Temperature in Self-Heating Mode. <i>Chemosensors</i> , 2022, 10, 132.	3.6	8
2	Sintering behaviors of highly sinterable Al-doped Li ₇ La ₃ Zr ₂ O ₁₂ powder prepared by polymerized-complex method. <i>Ceramics International</i> , 2022, 48, 22221-22227.	4.8	3
3	Highly sensitive isoprene gas sensor using Au-loaded pyramid-shaped ZnO particles. <i>Sensors and Actuators B: Chemical</i> , 2021, 326, 128999.	7.8	53
4	Study of oxygen diffusion in dense lanthanum oxide ceramics. <i>Journal of the Ceramic Society of Japan</i> , 2021, 129, 79-82.	1.1	0
5	Experimental and theoretical investigation of crystal structure of formamidinium-copper-iodide single crystals grown from aqueous solution. <i>Journal of Solid State Chemistry</i> , 2021, 306, 122778.	2.9	2
6	Selective Homoepitaxial Growth of ZnO Layers on c(+)-Surface by Solvothermal Reaction in Water-Ethylene Glycol Solvent. <i>ACS Omega</i> , 2020, 5, 23497-23501.	3.5	0
7	Structural and Thermal Properties in Formamidinium and Cs-Mixed Lead Halides. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 6967-6972.	4.6	31
8	Polarity dependent gas sensing properties of ZnO thin films. <i>Thin Solid Films</i> , 2019, 685, 238-244.	1.8	10
9	Quasi-solid-state lithium batteries using bulk-size transparent Li ₇ La ₃ Zr ₂ O ₁₂ electrolytes. <i>Solid State Ionics</i> , 2018, 319, 285-290.	2.7	21
10	Stabilization of the high-temperature phase and total conductivity of yttrium-doped lanthanum germanate oxyapatite. <i>Journal of the Ceramic Society of Japan</i> , 2018, 126, 91-98.	1.1	3
11	Highly Sensitive Ethanol Gas Sensor Using Pyramid-Shaped ZnO Particles with (0001) Basal Plane. <i>Journal of Physical Chemistry C</i> , 2018, 122, 7353-7360.	3.1	46
12	Solvent-mediated purification of hexa-molybdenum cluster halide, Cs ₂ [Mo ₆ Cl ₁₄] for enhanced optical properties. <i>CrystEngComm</i> , 2017, 19, 6028-6038.	2.6	8
13	Evaluation of sensor property for hydrogen and ethanol of zinc-doped tin-dioxide thin films fabricated by rf sputtering. <i>Journal of the Ceramic Society of Japan</i> , 2016, 124, 714-716.	1.1	5
14	Isotope tracer investigation and ab-initio simulation of anisotropic hydrogen transport and possible multi-hydrogen centers in tin dioxide. <i>Journal of Applied Physics</i> , 2016, 119, 225704.	2.5	4
15	Visible tunable lighting system based on polymer composites embedding ZnO and metallic clusters: from colloids to thin films. <i>Science and Technology of Advanced Materials</i> , 2016, 17, 443-453.	6.1	25
16	Gas sensing properties of <i>c</i> -axis-oriented Al-incorporated ZnO films epitaxially grown on (11-20) sapphire substrates using pulsed laser deposition. <i>Journal of the Ceramic Society of Japan</i> , 2016, 124, 668-672.	1.1	7
17	Theoretical and experimental determination of the crystal structures of cesium-molybdenum chloride. <i>Japanese Journal of Applied Physics</i> , 2016, 55, 075502.	1.5	12
18	Microscopic and Isotope Tracer Study on the Growth of Spherical ZnO Particles in Water-Ethylene Glycol Solvent. <i>Crystal Growth and Design</i> , 2015, 15, 2609-2619.	3.0	11

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19	Multi-Functional Silica Nanoparticles Based on Metal Atom Clusters: From Design to Toxicological Studies. Key Engineering Materials, 2014, 617, 179-183.	0.4	1
20	Solvothermal synthesis of ZnO spherical particles and VOC sensor application. Journal of the Ceramic Society of Japan, 2014, 122, 488-491.	1.1	10
21	Electrical and optical properties of W-doped ZnO films grown on (111) sapphire substrates using pulsed laser deposition. Journal of the Ceramic Society of Japan, 2014, 122, 908-913.	1.1	9
22	Annealing effect on microstructure of ZnO nano-particulate films and VOC gas sensing property. Journal of the Ceramic Society of Japan, 2014, 122, 267-270.	1.1	4
23	Synthesis of ZnO Particles with Hierarchical Structures. Funtai Oyobi Fumatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2014, 61, 443-447.	0.2	0
24	Tunable Visible Emission of Luminescent Hybrid Nanoparticles Incorporating Two Complementary Luminophores: ZnO Nanocrystals and [Mo ₆ Br ₁₄] ²⁺ Nanosized Cluster Units. Particle and Particle Systems Characterization, 2013, 30, 90-95.	2.3	25
25	Luminescence: Tunable Visible Emission of Luminescent Hybrid Nanoparticles Incorporating Two Complementary Luminophores: ZnO Nanocrystals and [Mo ₆ Br ₁₄] ²⁺ Nanosized Cluster Units (Part. Part. Syst. Charact.) Tj ETQq 1 0.784314 rgBT	2.3	25
26	Extended Investigations on Luminescent Cs ₂ [Mo ₆ Br ₁₄] ₂ @SiO ₂ Nanoparticles: Physico-Structural Characterizations and Toxicity Studies. Journal of Physical Chemistry C, 2013, 117, 20154-20163.	3.1	68
27	Hierarchical structures of ZnO spherical particles synthesized solvothermally. Science and Technology of Advanced Materials, 2011, 12, 064707.	6.1	25
28	Synthesis and characterization of Eu ³⁺ , Ti ⁴⁺ @ ZnO organosols and nanocrystalline c-ZnTiO ₃ thin films aiming at high transparency and luminescence. Science and Technology of Advanced Materials, 2010, 11, 044401.	6.1	24
29	Synthesis and Characterization of A ₄ [Re ₆ Q ₈ L ₆] ₂ @SiO ₂ Red-Emitting Silica Nanoparticles Based on Re ₆ Metal Atom Clusters (A = Cs or K, Q = S or Se, and L = OH or) Tj ETQq 1 0.784314 rgBT /Over	3.5	48
30	Structure and Electric Properties in Tin-Doped Zinc Oxide Films Synthesized by Pulsed Laser Deposition. Journal of the Electrochemical Society, 2009, 156, H424.	2.9	20
31	Surface Polarity Determination of ZnO Spherical Particles Synthesized via Solvothermal Route. Crystal Growth and Design, 2009, 9, 5014-5016.	3.0	35
32	Nano/Micro Patterning of Inorganic Thin Films. Bulletin of the Chemical Society of Japan, 2008, 81, 1337-1376.	3.2	23
33	Influences of Growth Conditions to Morphology of ZnO Thin Films Electrolessly Deposited on Pd Catalyst. Journal of the Ceramic Society of Japan, 2007, 115, 850-855.	1.1	8
34	Shinku/Journal of the Vacuum Soc		
35	Synthesis of High Density and Transparent Forsterite Ceramics Using Nano-Sized Precursors and Their Dielectric Properties. Journal of the American Ceramic Society, 2006, 89, 568-574.	3.8	29
36	Synthesis of (Ba,Ca)(Zr,Ti)O ₃ Ceramics from Ultra-Fine Precursors. Key Engineering Materials, 2006, 301, 235-238.	0.4	1

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37	Effect of ion irradiation on the evolution of Pt film morphology. Nuclear Instruments & Methods in Physics Research B, 2005, 232, 348-352.	1.4	2
38	Morphological reform of ZnO particles induced by coupling with MO _x (M=V,W,Ce) and the effects on photocatalytic activity. Thin Solid Films, 2005, 486, 20-23.	1.8	28
39	Effects of Precursor's Grain Size on Syntheses and Characteristics of CaZrO ₃ Powders and (Ca,Ba)(Zr,Ti)O ₃ Ceramics. Funtai Oyobi Fummtsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2005, 52, 255-260.	0.2	0
40	Optimization of Annealing Time and Cu Concentration for Study of Luminescence Properties of Cu-Implanted ZnO Thin Films. Japanese Journal of Applied Physics, 2005, 44, L770-L773.	1.5	8
41	Effect of Postdeposition Annealing on Luminescence from Zinc Oxide Patterns Prepared by the Electroless Deposition Process. Journal of the Electrochemical Society, 2004, 151, H169.	2.9	24
42	Pattern-deposition of light-emitting ZnO particulate film through biomimetic process using self-assembled monolayer template. Microelectronics Journal, 2004, 35, 349-352.	2.0	14
43	Sn film deposition on silica glass substrates. Thin Solid Films, 2004, 464-465, 146-149.	1.8	9
44	Nano/micro-patterning of anatase TiO ₂ thin film from an aqueous solution by site-selective elimination method. Science and Technology of Advanced Materials, 2003, 4, 461-467.	6.1	52
45	Selective Deposition of ZnO onto Self-Assembled Monolayers. Key Engineering Materials, 2002, 228-229, 113-118.	0.4	1
46	Special Issue Ceramics Integration. Characterization of Zinc Oxide Micropatterns Deposited on Self-Assembled Monolayer Template.. Journal of the Ceramic Society of Japan, 2002, 110, 386-390.	1.3	14
47	Low-Temperature Fabrication of Light-Emitting Zinc Oxide Micropatterns Using Self-Assembled Monolayers. Advanced Materials, 2002, 14, 418-421.	21.0	517
48	Selective Deposition of ZnF(OH) on Self-Assembled Monolayers in Zn ²⁺ /NH ₄ F Aqueous Solutions for Micropatterning of Zinc Oxide. Langmuir, 2001, 17, 1461-1469.	3.5	77
49	Influence of Chlorine on Sintering of Yttria-Doped Zirconia.. Journal of the Ceramic Society of Japan, 2001, 109, 738-741.	1.3	3
50	Synthesis and Photocatalysis of Monodispersed Zinc Oxide Powders with Different Morphologies.. Funtai Oyobi Fummtsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2001, 48, 1044-1050.	0.2	15
51	Effect of the calcium dopant on oxide ion diffusion in yttria ceramics. Journal of Materials Research, 2001, 16, 2362-2368.	2.6	8
52	Selective Deposition of ZnO through Electroless Deposition Process on Self-Assembled Monolayers. Key Engineering Materials, 2001, 214-215, 203-208.	0.4	2
53	Grain Boundary Character Distribution Control of Al-Mg Alloys by Hot Extrusion. Materials Science Forum, 1999, 304-306, 579-584.	0.3	1
54	Optimization Method of FGM Compositional Distribution Profile Design by Genetic Algorithm. Materials Science Forum, 1999, 308-311, 1006-1011.	0.3	3

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55	Some Properties of Zinc Oxide Powder. Key Engineering Materials, 1999, 169-170, 257-260.	0.4	0
56	Study on the Coating of Oxidation Resistant Layer by SHS. Materials Science Forum, 1999, 308-311, 271-276.	0.3	2
57	Microstructural Dynamics during High-Strain-Rate Superplastic Flow in PM 7475 Alloy. Materials Science Forum, 1999, 304-306, 333-340.	0.3	7
58	Joining of Si-Ti-C-O Fiber Reinforced Ceramic Composite and Fe-Cr-Ni Stainless Steel. Key Engineering Materials, 1998, 164-165, 435-438.	0.4	2
59	Fabrication of Transparent Yttria Ceramics at Low Temperature Using Carbonate-Derived Powder. Journal of the American Ceramic Society, 1998, 81, 2023-2028.	3.8	160
60	Synthesis of Well-Sinterable Alumina Powder by Dispersing Hydroxide Precipitate in Alcohol. Journal of the Ceramic Society of Japan, 1996, 104, 469-470.	1.3	6
61	Resonant tunneling of a Wannier exciton through a single-barrier heterostructure. Physical Review B, 1995, 51, 5453-5456.	3.2	17
62	Resonant Tunneling of a Wannier Exciton through a Single Heterobarrier. Japanese Journal of Applied Physics, 1995, 34, 77.	1.5	0