

# Noriko Saito

## List of Publications by Year in descending order

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62  
papers

1,551  
citations

394421

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302126

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64  
docs citations

64  
times ranked

1856  
citing authors

#	ARTICLE	IF	CITATIONS
1	Low-Temperature Fabrication of Light-Emitting Zinc Oxide Micropatterns Using Self-Assembled Monolayers. <i>Advanced Materials</i> , 2002, 14, 418-421.	21.0	517
2	Fabrication of Transparent Yttria Ceramics at Low Temperature Using Carbonate-Derived Powder. <i>Journal of the American Ceramic Society</i> , 1998, 81, 2023-2028.	3.8	160
3	Selective Deposition of ZnF(OH) on Self-Assembled Monolayers in Zn <sup>2+</sup> /NH <sub>4</sub> F Aqueous Solutions for Micropatterning of Zinc Oxide. <i>Langmuir</i> , 2001, 17, 1461-1469.	3.5	77
4	Extended Investigations on Luminescent Cs <sub>2</sub> [Mo <sub>6</sub> Br <sub>14</sub> ] <sub>2</sub> @SiO <sub>2</sub> Nanoparticles: Physico-Structural Characterizations and Toxicity Studies. <i>Journal of Physical Chemistry C</i> , 2013, 117, 20154-20163.	3.1	68
5	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
6	Nano/micro-patterning of anatase TiO <sub>2</sub> thin film from an aqueous solution by site-selective elimination method. <i>Science and Technology of Advanced Materials</i> , 2003, 4, 461-467.	6.1	52
7	Synthesis and Characterization of A <sub>4</sub> [Re <sub>6</sub> Q <sub>8</sub> L <sub>6</sub> ] <sub>2</sub> @SiO <sub>2</sub> Red-Emitting Silica Nanoparticles Based on Re <sub>6</sub> Metal Atom Clusters (A = Cs or K, Q = S or Se, and L = OH or Tj). <i>ETQq11</i> 0.7843148 BT / Over	3.5	48
8	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
9	Surface Polarity Determination of ZnO Spherical Particles Synthesized via Solvothermal Route. <i>Crystal Growth and Design</i> , 2009, 9, 5014-5016.	3.0	35
10	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
11	Synthesis of High Density and Transparent Forsterite Ceramics Using Nano-Sized Precursors and Their Dielectric Properties. <i>Journal of the American Ceramic Society</i> , 2006, 89, 568-574.	3.8	29
12	Morphological reform of ZnO particles induced by coupling with MO <sub>x</sub> (M=V,W,Ce) and the effects on photocatalytic activity. <i>Thin Solid Films</i> , 2005, 486, 20-23.	1.8	28
13	Hierarchical structures of ZnO spherical particles synthesized solvothermally. <i>Science and Technology of Advanced Materials</i> , 2011, 12, 064707.	6.1	25
14	Tunable Visible Emission of Luminescent Hybrid Nanoparticles Incorporating Two Complementary Luminophores: ZnO Nanocrystals and [Mo <sub>6</sub> Br <sub>14</sub> ] <sup>2+</sup> Nanosized Cluster Units. <i>Particle and Particle Systems Characterization</i> , 2013, 30, 90-95.	2.3	25
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	Effect of Postdeposition Annealing on Luminescence from Zinc Oxide Patterns Prepared by the Electroless Deposition Process. <i>Journal of the Electrochemical Society</i> , 2004, 151, H169.	2.9	24
17	Synthesis and characterization of Eu <sup>3+</sup> , Ti <sup>4+</sup> @ ZnO organosols and nanocrystalline c-ZnTiO <sub>3</sub> thin films aiming at high transparency and luminescence. <i>Science and Technology of Advanced Materials</i> , 2010, 11, 044401.	6.1	24
18	Nano/Micro Patterning of Inorganic Thin Films. <i>Bulletin of the Chemical Society of Japan</i> , 2008, 81, 1337-1376.	3.2	23

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19	Quasi-solid-state lithium batteries using bulk-size transparent Li7La3Zr2O12 electrolytes. Solid State Ionics, 2018, 319, 285-290.	2.7	21
20	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
21	Resonant tunneling of a Wannier exciton through a single-barrier heterostructure. Physical Review B, 1995, 51, 5453-5456.	3.2	17
22	Synthesis and Photocatalysis of Monodispersed Zinc Oxide Powders with Different Morphologies.. Funtai Oyobi Fumatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2001, 48, 1044-1050.	0.2	15
23	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
24	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
25	Theoretical and experimental determination of the crystal structures of cesium molybdenum chloride. Japanese Journal of Applied Physics, 2016, 55, 075502.	1.5	12
26	Microscopic and Isotope Tracer Study on the Growth of Spherical ZnO Particles in Water Ethylene Glycol Solvent. Crystal Growth and Design, 2015, 15, 2609-2619.	3.0	11
27	Solvothermal synthesis of ZnO spherical particles and VOC sensor application. Journal of the Ceramic Society of Japan, 2014, 122, 488-491.	1.1	10
28	Polarity dependent gas sensing properties of ZnO thin films. Thin Solid Films, 2019, 685, 238-244.	1.8	10
29	Sn film deposition on silica glass substrates. Thin Solid Films, 2004, 464-465, 146-149.	1.8	9
30	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
31	Effect of the calcium dopant on oxide ion diffusion in yttria ceramics. Journal of Materials Research, 2001, 16, 2362-2368.	2.6	8
32	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
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	Solvent-mediated purification of hexa-molybdenum cluster halide, Cs <sub>2</sub> [Mo <sub>6</sub> Cl <sub>14</sub> ] for enhanced optical properties. CrystEngComm, 2017, 19, 6028-6038.	2.6	8
35	Au-Decorated 1D SnO <sub>2</sub> Nanowire/2D WS <sub>2</sub> Nanosheet Composite for CO Gas Sensing at Room Temperature in Self-Heating Mode. Chemosensors, 2022, 10, 132.	3.6	8
36	Microstructural Dynamics during High-Strain-Rate Superplastic Flow in PM 7475 Alloy. Materials Science Forum, 1999, 304-306, 333-340.	0.3	7

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37	Gas sensing properties of $c$ -axis-oriented Al-incorporated ZnO films epitaxially grown on (11-20) sapphire substrates using pulsed laser deposition. Journal of the Ceramic Society of Japan, 2016, 124, 668-672.	1.1	7
38	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
39	Evaluation of sensor property for hydrogen and ethanol of zinc-doped tin-dioxide thin films fabricated by rf sputtering. Journal of the Ceramic Society of Japan, 2016, 124, 714-716.	1.1	5
40	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
41	Isotope tracer investigation and ab-initio simulation of anisotropic hydrogen transport and possible multi-hydrogen centers in tin dioxide. Journal of Applied Physics, 2016, 119, 225704.	2.5	4
42	Optimization Method of FGM Compositional Distribution Profile Design by Genetic Algorithm. Materials Science Forum, 1999, 308-311, 1006-1011.	0.3	3
43	Influence of Chlorine on Sintering of Yttria-Doped Zirconia.. Journal of the Ceramic Society of Japan, 2001, 109, 738-741.	1.3	3
44	Stabilization of the high-temperature phase and total conductivity of yttrium-doped lanthanum germanate oxyapatite. Journal of the Ceramic Society of Japan, 2018, 126, 91-98.	1.1	3
45	Sintering behaviors of highly sinterable Al-doped Li <sub>7</sub> La <sub>3</sub> Zr <sub>2</sub> O <sub>12</sub> powder prepared by polymerized-complex method. Ceramics International, 2022, 48, 22221-22227.	4.8	3
46	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
47	Study on the Coating of Oxidation Resistant Layer by SHS. Materials Science Forum, 1999, 308-311, 271-276.	0.3	2
48	Selective Deposition of ZnO through Electroless Deposition Process on Self-Assembled Monolayers. Key Engineering Materials, 2001, 214-215, 203-208.	0.4	2
49	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
50	Experimental and theoretical investigation of crystal structure of formamidinium-copper-iodide single crystals grown from aqueous solution. Journal of Solid State Chemistry, 2021, 306, 122778.	2.9	2
51	Grain Boundary Character Distribution Control of Al-Mg Alloys by Hot Extrusion. Materials Science Forum, 1999, 304-306, 579-584.	0.3	1
52	Selective Deposition of ZnO onto Self-Assembled Monolayers. Key Engineering Materials, 2002, 228-229, 113-118.	0.4	1
53	Synthesis of (Ba,Ca)(Zr,Ti)O <sub>3</sub> Ceramics from Ultra-Fine Precursors. Key Engineering Materials, 2006, 301, 235-238.	0.4	1
54	Multi-Functional Silica Nanoparticles Based on Metal Atom Clusters: From Design to Toxicological Studies. Key Engineering Materials, 2014, 617, 179-183.	0.4	1

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55	Resonant Tunneling of a Wannier Exciton through a Single Heterobarrier. Japanese Journal of Applied Physics, 1995, 34, 77.	1.5	0
56	Some Properties of Zinc Oxide Powder. Key Engineering Materials, 1999, 169-170, 257-260.	0.4	0
57	Effects of Precursor's Grain Size on Syntheses and Characteristics of CaZrO <sub>3</sub> Powders and (Ca,Ba)(Zr,Ti)O <sub>3</sub> Ceramics. Funtai Oyobi Fumatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2005, 52, 255-260.	0.2	0
58	Shinku/Journal of the Vacuum Soc		
59	Luminescence: Tunable Visible Emission of Luminescent Hybrid Nanoparticles Incorporating Two Complementary Luminophores: ZnO Nanocrystals and [Mo <sub>6</sub> Br <sub>14</sub> ] <sup>2+</sup> Nanosized Cluster Units (Part. Part. Syst. Charact.) Tj ETQq 1 <sup>2</sup> 0.7843 14 rgBT		
60	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
61	Selective Homoepitaxial Growth of ZnO Layers on c(+)-Surface by Solvothermal Reaction in Water/Ethylene Glycol Solvent. ACS Omega, 2020, 5, 23497-23501.	3.5	0
62	Study of oxygen diffusion in dense lanthanum oxide ceramics. Journal of the Ceramic Society of Japan, 2021, 129, 79-82.	1.1	0