Sachiko Matsushita

List of Publications by Year
in descending order

141 papers	1,583 citations	394421 19 h-index	377865 34 g-index
148 all docs	148 docs citations	148 times ranked	1861 citing authors

#	Article	IF	Citations
1	Defective Black TiO₂ Synthesized via Anodization for Visible-Light Photocatalysis. ACS Applied Materials & Interfaces, 2014, 6, 1385-1388.	8.0	207
2	New Mesostructured Porous TiO2Surface Prepared Using a Two-Dimensional Array-Based Template of Silica Particles. Langmuir, 1998, 14, 6441-6447.	3.5	137
3	Investigation of droplet jumping on superhydrophobic coatings during dew condensation by the observation from two directions. Applied Surface Science, 2014, 315, 212-221.	6.1	68
4	Coupling of wrinkle patterns to microsphere-array lithographic patterns. Soft Matter, 2005, 1, 227.	2.7	60
5	Periodic Submicrocylinder Diamond Surfaces Using Two-Dimensional Fine Particle Arrays. Langmuir, 2002, 18, 8282-8287.	3.5	50
6	Distribution of Components in Composite Two-Dimensional Arrays of Latex Particles and Evaluation in Terms of the Fractal Dimension. Langmuir, 1997, 13, 2582-2584.	3.5	47
7	Sliding of Water Droplets on Hydrophobic Surfaces with Various Hydrophilic Region Sizes. Langmuir, 2011, 27, 7307-7313.	3.5	44
8	Preparation and visible-light photocatalytic activity of Au- and Cu-modified TiO2 powders. Materials Letters, 2012, 82, 174-177.	2.6	41
9	Sliding of Water Droplets on Smooth Hydrophobic Silane Coatings with Regular Triangle Hydrophilic Regions. Langmuir, 2013, 29, 9269-9275.	3.5	38
10	Preparation of a New Nanostructured TiO2Surface Using a Two-Dimensional Array-Based Template. Chemistry Letters, 1997, 26, 925-926.	1.3	36
11	Preparation of hydrophobic La2Mo2O9 ceramics with antibacterial and antiviral properties. Journal of Hazardous Materials, 2019, 378, 120610.	12.4	36
12	Light Propagation in Composite Two-Dimensional Arrays of Polystyrene Spherical Particles. Langmuir, 2000, 16, 636-642.	3.5	35
13	Effects of cerium and tungsten substitution on antiviral and antibacterial properties of lanthanum molybdate. Materials Science and Engineering C, 2020, 117, 111323.	7.3	29
14	Preparation and visible-light photocatalytic activity of Au-supported porous CeO2 spherical particles using templating. Materials Letters, 2011, 65, 3051-3054.	2.6	21
15	Comparative study of photoinduced wettability conversion between [PW12O40]3â^'/brookite and [SiW12O40]4â^'/brookite hybrid films. Materials Chemistry and Physics, 2014, 144, 327-334.	4.0	21
16	Comparative study of the impact and sliding behavior of water droplets on two different hydrophobic silane coatings. Applied Surface Science, 2014, 292, 990-996.	6.1	21
17	Preparation of cerium molybdates and their antiviral activity against bacteriophage Î¦6 and SARS-CoV-2. Materials Letters, 2021, 290, 129510.	2.6	21
18	Wetting mode transition of nanoliter scale water droplets during evaporation on superhydrophobic surfaces with random roughness structure. Applied Surface Science, 2012, 258, 2378-2383.	6.1	20

#	Article	IF	Citations
19	Hierarchical honeycomb structures utilized a dissipative process. Synthetic Metals, 2004, 147, 237-240.	3.9	19
20	Photochemically functional photonic crystals prepared by using a two-dimensional particle-array template. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2005, 257-258, 15-17.	4.7	19
21	Preparation and gas permeability of the surface-modified porous Al₂O₃ ceramic filter for CO₂ gas separation. Journal of Asian Ceramic Societies, 2013, 1, 65-70.	2.3	19
22	Light-propagation patterns in freestanding two-dimensional colloidal crystals. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2006, 284-285, 315-319.	4.7	18
23	Comparison of photocatalytic activity and surface friction force variation on Ti-doped hydroxyapatite and anatase under UV illumination. Journal of Photochemistry and Photobiology A: Chemistry, 2015, 311, 160-165.	3.9	17
24	Decomposition of 2-naphthol in water by TiO2 modified with MnO and CeO. Materials Chemistry and Physics, 2016, 183, 37-43.	4.0	16
25	Preparation of Periodic Microstructured Diamond Surfaces. Chemistry Letters, 2000, 29, 534-535.	1.3	15
26	Full-photonic-bandgap structures for prospective dye-sensitized solar cells. Electrochimica Acta, 2010, 55, 2398-2403.	5.2	15
27	Redox reactions by thermally excited charge carriers: towards sensitized thermal cells. Materials Horizons, 2017, 4, 649-656.	12.2	15
28	Negative thermal expansion in Î±-Zr2SP2O12 based on phase transition- and framework-type mechanisms. NPG Asia Materials, 2020, 12, .	7.9	15
29	Static and dynamic hydrophobicity of alumina-based porous ceramics impregnated with fluorinated oil. Journal of Materials Research, 2014, 29, 1546-1555.	2.6	14
30	Preparation and photocatalytic activity of Mo-modified Ti-doped HAp. Applied Catalysis B: Environmental, 2019, 243, 448-454.	20.2	14
31	Temperature Dependence of a Perovskite-Sensitized Solar Cell: A Sensitized â€œThermalâ€•Cell. ACS Applied Energy Materials, 2019, 2, 13-18.	5.1	14
32	Influence of substrate on self-assembled photonic crystal. Chemical Communications, 2004, , 506.	4.1	13
33	Observation of Light Propagation in Single Layers of Composite Two-Dimensional Arrays. Langmuir, 2000, 16, 1180-1184.	3.5	12
34	Stable Two-Dimensional Fine-Particle Arrays in Solution. Langmuir, 2001, 17, 988-992.	3.5	12
35	Wettability conversion and surface friction force variation of polycrystalline rutile ceramics under UV illumination. Journal of Photochemistry and Photobiology A: Chemistry, 2011, 222, 64-69.	3.9	12
36	Surface modification of porous alumina filters for CO2 separation using silane coupling agents. Journal of Membrane Science, 2016, 497, 216-220.	8.2	12

#	Article	IF	Citations
37	Experimental and theoretical investigation of WO modification effects on the photocatalytic activity of titanium-substituted hydroxyapatite. Applied Catalysis B: Environmental, 2020, 264, 118516.	20.2	12
38	SF₆-Based Deep Reactive Ion Etching of (001) Rutile TiO₂ Substrate for Photonic Crystal Structure with Wide Complete Photonic Band Gap. Japanese Journal of Applied Physics, 2012, 51, 098002.	1.5	10
39	Activation of the spontaneous motion of a nitrobenzene droplet by chlorobenzene blending. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2012, 395, 233-239.	4.7	10
40	Preparation of porous spherical ZrO2â€“SiO2 composite particles using templating and its solid acidity by H2SO4 treatment. Journal of Materials Science, 2012, 47, 341-349.	3.7	10
41	Preparation and properties of Zr 2 MoP 2 O 12 ceramics with negative thermal expansion. Materials and Design, 2016, 112, 11-16.	7.0	10
42	Solvothermal preparation and gas permeability of an IRMOF-3 membrane. Microporous and Mesoporous Materials, 2017, 241, 218-225.	4.4	10
43	Ag₂S-Sensitized Thermal Cell. Journal of Physical Chemistry C, 2019, 123, 12135-12141.	3.1	10
44	Calculation of photonic energy bands of self-assembled-type TiO2 photonic crystals as dye-sensitized solar battery. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2008, 313-314, 617-620.	4.7	9
45	Pore size dependence of self-assembled type photonic crystal on dye-sensitized solar cells efficiency utilising Chlorine e6. Journal of Porous Materials, 2014, 21, 165-176.	2.6	9
46	Gas separation using Knudsen and surface diffusion II: Effects of surface modification of epoxy/porous SiO₂ composite. Journal of Asian Ceramic Societies, 2014, 2, 190-194.	2.3	9
47	Influence of semiconductor crystallinity on a Î²-FeSi2 sensitized thermal cell. Solid-State Electronics, 2019, 158, 70-74.	1.4	9
48	A sensitized thermal cell recovered using heat. Journal of Materials Chemistry A, 2019, 7, 18249-18256.	10.3	9
49	Rapid Fabrication of a Smooth Hollow-Spheres Array. Bulletin of the Chemical Society of Japan, 2007, 80, 1226-1228.	3.2	8
50	Droplet viscosity effects on dynamic hydrophobicity of a solidâ€“liquid bulk composite prepared from porous glass. Journal of Materials Science, 2017, 52, 595-604.	3.7	8
51	Gold Nanocups Fabricated Using Two-Dimensional Colloidal Crystals and Simulation of Their Optical Trapping Force. Bulletin of the Chemical Society of Japan, 2018, 91, 405-409.	3.2	8
52	Sub-Microstructures Formed by Means of Reactive Ion Etching in Multilayers of Two-Dimensional Fine-Particle Arrays. Chemistry Letters, 2002, 31, 524-525.	1.3	7
53	Fabrication of polymeric particles composed of two-dimensionally self-assembled nanoparticles by use of a microporous film as a template. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2008, 313-314, 630-635.	4.7	7
54	Enhanced light diffraction from self-assembled double-layer colloidal crystals. Journal of Applied Physics, 2011, 110, .	2.5	7

#	Article	IF	Citations
55	Adsorption and adhesion of poly(vinyl alcohol) and poly(ammonium acrylate) as organic additives for wet mold processing of Al2O3. Ceramics International, 2013, 39, 3857-3864.	4.8	7
56	Preparation and decomposition activity of MnO -modified (Ce0.73, Bi0.27)O2-Î´ on 2-naphthol in water in the dark or under visible light. Materials Chemistry and Physics, 2019, 233, 346-352.	4.0	7
57	Fermi Level Dependence of a Working Electrode on the Open Circuit Voltage in a Sensitized Thermal Cell. Chemistry Letters, 2020, 49, 1013-1016.	1.3	7
58	Preparation and photocatalytic activity of porous spherical TiO2 particles comprised of H3PW12O40 in hydrophobic nanopores. Journal of Materials Science, 2013, 48, 2290-2298.	3.7	6
59	Angled etching of (001) rutile Nbâ€“TiO2substrate using SF6-based capacitively coupled plasma reactive ion etching. Japanese Journal of Applied Physics, 2014, 53, 06JF02.	1.5	6
60	Aluminium metalâ€“insulatorâ€“metal structure fabricated by the bottom-up approach. Nanoscale Advances, 2020, 2, 2271-2275.	4.6	6
61	Antiviral and antifungal activities of lanthanum molybdate and copper molybdate. Journal of the Ceramic Society of Japan, 2022, 130, 370-375.	1.1	6
62	Calculation of Photonic Energy Bands of TiO₂ Hollow Spherical Arrays. Journal of Nanoscience and Nanotechnology, 2009, 9, 185-189.	0.9	5
63	Preparation and gaseous acetaldehyde decomposition of porous spherical Co-doped SiO2/TiO2 hybrid particles. Materials Letters, 2013, 107, 185-188.	2.6	5
64	Preparation and hydrophobicity of solidâ€“liquid bulk composite using porous glass and fluorinated oil. Journal of Materials Science, 2015, 50, 7760-7769.	3.7	5
65	Calculation and fabrication of two-dimensional complete photonic bandgap structures composed of rutile TiO2 single crystals in air/liquid. Journal of Materials Science, 2016, 51, 1066-1073.	3.7	5
66	Thermal and electrical properties of methylammonium lead iodide perovskite compact before and after phase transition. Materials Research Innovations, 2017, , 1-4.	2.3	5
67	Ring Structures Prepared by Self-Assembled Particle Layers. Molecular Crystals and Liquid Crystals, 2011, 539, 266/[606]-274/[614].	0.9	4
68	Photocatalytic activity and photoinduced hydrophilicity of brookiteâ€“heteropolyacid hybrid films. Applied Catalysis A: General, 2012, 445-446, 274-279.	4.3	4
69	Anion-specific effects on the interaction forces between Al2O3 surfaces and dispersibility of Al2O3 colloids in electrolyte solutions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2012, 396, 233-237.	4.7	4
70	SiO2â€“Au coreâ€“shell petal-like structure with controlled bridge length. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 436, 930-936.	4.7	4
71	Ultrasonication effects on the visible-light photocatalytic activity of Au-modified TiO2 powder. Materials Letters, 2013, 90, 79-82.	2.6	4
72	Metal Nanostructures Fabricated by the Difference of Interfacial Energy at a Dielectric/Metal Interface. Bulletin of the Chemical Society of Japan, 2016, 89, 369-374.	3.2	4

#	Article	IF	Citations
73	Preparation of visible light photocatalyst by interface reaction between tungsten-molybdenum oxide and copper clusters. Materials Letters, 2017, 186, 135-137.	2.6	4
74	Effects of storage atmosphere and surface roughness on the hydrophobicity of Gd₂O₃ thin film and sintered body. Journal of the Ceramic Society of Japan, 2017, 125, 638-642.	1.1	4
75	Decomposition of 2-naphthol in water by TiO₂ modified with SnO_x or (Mn, Sn)O_x and MnO_x. Journal of the Ceramic Society of Japan, 2018, 126, 122-127.	1.1	4
76	Can CuFeS2 be used in a sensitized thermal cell?. Materials Today Energy, 2020, 17, 100469.	4.7	4
77	Effect of titanium substitution on the improvement of the thermal expansion properties of Zr2S0.9P2O12-Î´. Ceramics International, 2021, 47, 10197-10200.	4.8	4
78	Decomposition of 2-naphthol in water and antiviral activity by CoO<i>_x</i> modified (Ce_{0.8},Bi_{0.2})O_{2â^Î´} and (Ce_{0.8},La_{0.2})O_{2â^Î´} in the dark or under visible light. Journal of the Ceramic Society of Japan, 2021, 129, 607-615.	1.1	4
79	Induced-current-generated System Using the Chemomechanical Transduction at a Nitrobenzene/Water Interface. Chemistry Letters, 2009, 38, 110-111.	1.3	3
80	Simulation Design for Rutile-TiO2 Nanostructures with a Large Complete-Photonic Bandgap in Electrolytes. Crystals, 2012, 2, 1483-1491.	2.2	3
81	Preparation and visible-light photocatalytic activity of Cu-grafted rutile fine powder from selective leaching of BaTiO₃. Journal of the Ceramic Society of Japan, 2012, 120, 483-489.	1.1	3
82	Six-rayed star-like nanostructures in prospective plasmonic devices. Chemical Communications, 2012, 48, 1668-1670.	4.1	3
83	Gas separation using Knudsen and surface diffusion I: Preparation of epoxy/porous SiO2 composite. Microporous and Mesoporous Materials, 2014, 183, 201-206.	4.4	3
84	Preparation of AlOOH/Al2O3 porous ceramics having CO2/N2 gas selectivity of less than 1. Ceramics International, 2015, 41, 7759-7765.	4.8	3
85	Comparative study of the dynamic hydrophobicity of fluoroalkylsilane coatings tilted at acute and obtuse angles. Journal of Coatings Technology Research, 2018, 15, 891-898.	2.5	3
86	Sliding of waterâ€“glycerol mixture droplets on hydrophobic solidâ€“liquid bulk composites using Ti plates with a fibrous TiO2 layer. Journal of Materials Science, 2018, 53, 1157-1166.	3.7	3
87	Crystal face dependence of the decomposition of 2-naphthol in water under dark condition by rutile modified with MnO_x. Journal of the Ceramic Society of Japan, 2018, 126, 737-742.	1.1	3
88	Decomposition of 2-naphthol in water and antibacterial property by NiO and CeO<i>_x</i> modified TiO₂ in the dark or under visible light. Journal of the Ceramic Society of Japan, 2019, 127, 688-695.	1.1	3
89	Plasmonic photothermal synthesis of ZnO microspheres on Au/SiO2 nanostructures. Journal of Applied Physics, 2020, 128, 133105.	2.5	3
90	In-situ Temperature Measurement of Local Photothermal Conversion. Chemistry Letters, 2020, 49, 469-472.	1.3	3

#	Article	IF	Citations
91	Role of the ions in the Ge/(CuCl, CuCl2 and LiCl)/FTO-sensitized thermal cell. Journal of Electroanalytical Chemistry, 2021, 895, 115413.	3.8	3
92	Effect of tin substitution on the chemical composition and thermal expansion properties of Zr2SP2O12. Journal of Asian Ceramic Societies, 0, , 1-10.	2.3	3
93	Electrolyte Thickness Dependence upon Ge-Sensitized Thermal Cells. Energy & Fuels, 0, , .	5.1	3
94	FLEXIBLE TWO-DIMENSIONAL FINE-PARTICLE ARRAYS AND THEIR PHOTONIC CHARACTERS. Molecular Crystals and Liquid Crystals, 2003, 406, 111-118.	0.9	2
95	Self-Assembled Monolayers Using Large-Size Polystyrene Particles. Molecular Crystals and Liquid Crystals, 2011, 539, 33/[373]-39/[379].	0.9	2
96	Photocatalytic activity and its stacking order dependence of transparent 12 tungsto(VI) phosphoric acid-brookite hybrid films. Applied Catalysis A: General, 2011, 399, 22-27.	4.3	2
97	Wetting Mode Transition of Water Droplets by Electrowetting on Highly Hydrophobic Surfaces Coated with Two Different Silanes. Chemistry Letters, 2012, 41, 23-25.	1.3	2
98	Effect of partial UV illumination on a mixture of water and a methylene blue solution in a microchannel coated with TiO2. Applied Surface Science, 2013, 265, 925-928.	6.1	2
99	Preparation of Mesoporous Silica Monoliths Doped with Titanium Clusters. Chemistry Letters, 2013, 42, 854-856.	1.3	2
100	Preparation of a porous magnetic filter for O₂ gas concentration. Journal of the Ceramic Society of Japan, 2013, 121, 313-316.	1.1	2
101	Hierarchical Bimodal Mesoporous Structure Modified with Ni Nanoparticles through One-Pot Process for Effective Carbon Dioxide Methanation. Bulletin of the Chemical Society of Japan, 2015, 88, 1301-1307.	3.2	2
102	Processing of porous spherical Co-doped SiO2/Cu-grafted TiO2 hybrid particles for the decomposition of gaseous acetaldehyde in the dark and under visible light. Materials Letters, 2015, 139, 397-400.	2.6	2
103	Microfabrication for a polystyrene quadrupole by template-assisted self-assembly. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 484, 75-80.	4.7	2
104	Simple fabrication of micro-polygons and micro-honeycombs utilizing thermal deformation of monolayer colloidal crystals during reactive ion etching. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 486, 1-5.	4.7	2
105	Comparative study on visible light photocatalytic activity of Fe-modified TiO₂ powders. Journal of the Ceramic Society of Japan, 2016, 124, 781-786.	1.1	2
106	Surface potential on gold nanodisc arrays fabricated on silicon under light irradiation. Surface Science, 2018, 672-673, 62-67.	1.9	2
107	Anti-Bacterial and Photocatalytic Activities of (Mo_{0.5}, W_{0.5})O₃ with Cu(Mo_{0.5}, W_{0.5})O₄ Prepared by Impregnation Method and Mechanochemical Processing. Journal of the Japan Society of Colour Material, 2018, 91, 89-93.	0.1	2
108	Transparent porous La₂Mo₂O₉ thin film preparation and antibacterial and antiviral activities. Journal of the Ceramic Society of Japan, 2021, 129, 485-488.	1.1	2

#	Article	IF	Citations
109	Active Micromixer of Microfluids via Plasmonic Marangoni Convection. Bulletin of the Chemical Society of Japan, 2021, 94, 2003-2010.	3.2	2
110	Preparation and properties of transparent solidâ€“liquid hybrid materials using porous silica with silicone oil or ionic liquid. Materials Research Bulletin, 2020, 130, 110902.	5.2	2
111	Comparison of the Photoelectrochemical Characteristics of Dye-Sensitized Inverse-Opal Electrodes Prepared by Various Liquid-Phase Methods. Journal of New Materials for Electrochemical Systems, 2011, 14, 229-236.	0.6	2
112	Liquid and gas separation abilities of carbon membranes synthesized using hydrothermal method. Journal of the Ceramic Society of Japan, 2020, 128, 918-921.	1.1	2
113	SF6-Based Deep Reactive Ion Etching of (001) Rutile TiO2Substrate for Photonic Crystal Structure with Wide Complete Photonic Band Gap. Japanese Journal of Applied Physics, 2012, 51, 098002.	1.5	2
114	Local structure investigation of WO_x cluster modified on titanium-substituted hydroxyapatite for promoting charge separation under UV illumination. Journal of the Ceramic Society of Japan, 2020, 128, 798-804.	1.1	2
115	Fluorescence Specific Micro Patterns in Two-Dimensional Ordered Arrays Composed of Polystyrene Fine Particles. Studies in Surface Science and Catalysis, 2001, , 845-848.	1.5	1
116	Two-Dimensional Colloidal Crystals. Journal of the Society of Powder Technology, Japan, 2008, 45, 312-318.	0.1	1
117	Electric Current Generation by Camphor Boatsâ^—. Molecular Crystals and Liquid Crystals, 2009, 504, 27-34.	0.9	1
118	Spontaneous interfacial tension changes at the interface of a ZnCl2 nitrobenzene solution and aqueous stearyltrimethylammonium chloride solution. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 429, 31-37.	4.7	1
119	Single-cell Trapping Using Microwell Arrays Fabricated from Self-assembled Particle Monolayers. Molecular Crystals and Liquid Crystals, 2014, 603, 248-255.	0.9	1
120	Adhesion and Friction Force on Various Smooth Hydrophobic Silane Coatings. Chemistry Letters, 2015, 44, 683-684.	1.3	1
121	TiO₂ Periodic Structures Fabricated via Top-down and Bottom-up Approaches with a Viewpoint of Photonic Crystal. Electrochemistry, 2016, 84, 681-687.	1.4	1
122	Spontaneous Interfacial Tension Changes at the Interface of Metal Chloride Nitrobenzene Solution and Aqueous Stearyltrimethylammonium Chloride Solution: the Role of Metal Ions. Bulletin of the Chemical Society of Japan, 2017, 90, 491-499.	3.2	1
123	Photocatalytic activity of Zr2(WO4)(PO4)2. Ceramics International, 2019, 45, 1430-1433.	4.8	1
124	Processing of transparent superhydrophobic films using cerium oxide particles with different aspect ratios. Journal of the Ceramic Society of Japan, 2020, 128, 210-216.	1.1	1
125	Fog-harvesting performance of hydrophobic zinc oxide nanorods combined with nanoscale roughness on the topmost surface. Journal of the Ceramic Society of Japan, 2020, 128, 847-854.	1.1	1
126	In-Situ Observation of Redox Reactions in Ge-Sensitised Thermal Cells. Bulletin of the Chemical Society of Japan, 2022, 95, 813-818.	3.2	1

#	Article	IF	Citations
127	Three-Dimensional Self-Assemblies of Nanoparticles. , 2006, , 119-155.		0
128	Self-Organized Hierarchy Structures Composed of Honeycomb-Like Polymer Films and Spider-Web-Like Particle Structures. Molecular Crystals and Liquid Crystals, 2007, 463, 93/[375]-99/[381].	0.9	0
129	One-Step Preparation of Hierarchical Structures Using a Dissipative Process. Journal of the Society of Japanese Women Scientists, 2007, 8, 26-32.	0.0	0
130	Titanium dioxide fine structures by RF magnetron sputter method deposited on an electron-beam resist mask. Proceedings of SPIE, 2013, , .	0.8	0
131	Preparation and Photocatalytic Activity of [PW12O40]3^|^minus;-Grafted Anatase Powder from Selective Leaching of BaTiO3. Journal of the Japan Society of Colour Material, 2014, 87, 267-271.	0.1	0
132	Optical performance of Au hemispheric sub-microstructure on polystyrene quadrumer. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 513, 51-56.	4.7	0
133	Direct observation of the morphology and peeling behavior of poly(vinyl alcohol) derivatives in water by scanning probe microscopy. Journal of the Ceramic Society of Japan, 2018, 126, 839-842.	1.1	0
134	Sensitized â€œthermalâ€•cell: a new heat conversion system to electricity. , 2020, , .		0
135	Silver plasmonic colour change due to chemical/mechanical reactions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 627, 127221.	4.7	0
136	The Control of the Particle Self-Assembly on Solid Surface. Journal of the Japan Society of Colour Material, 2010, 84, 7-11.	0.1	0
137	Decomposition of 2-Naphthol in Water by Brookite-Type TiO₂ Modified with MnO_x and CeO_y Under Dark Condition. Journal of the Japan Society of Colour Material, 2018, 91, 98-102.	0.1	0
138	(Invited) Sensitized "Thermal" Cell. ECS Meeting Abstracts, 2019, , .	0.0	0
139	(Invited) Mechanism of a Sensitized Thermal Cell. ECS Meeting Abstracts, 2020, MA2020-02, 3093-3093.	0.0	0
140	The Electrodes Distance Dependance of Battery Performance in Sensitized Thermal Cell. ECS Meeting Abstracts, 2020, MA2020-02, 3668-3668.	0.0	0
141	Semiconductor-Sensitized Thermal Cells Operated Under 100 Â°C. ECS Meeting Abstracts, 2022, MA2022-01, 141-141.	0.0	0