Takashi Yanagishita

List of Publications by Year
in descending order

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		430874	361022
104	1,534	18	35
papers	citations	h-index	g-index

105	105	105	1347
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Synthesis of Well-Aligned Diamond Nanocylinders. Advanced Materials, 2001, 13, 247-249.	21.0	133
2	Anti-Reflection Structures on Lenses by Nanoimprinting Using Ordered Anodic Porous Alumina. Applied Physics Express, 2009, 2, 022001.	2.4	86
3	Fabrication of Metal Nanohole Arrays with High Aspect Ratios Using Two-Step Replication of Anodic Porous Alumina. Advanced Materials, 2005, 17, 2241-2243.	21.0	83
4	Carbon Nanotubes with a Triangular Cross-section, Fabricated Using Anodic Porous Alumina as the Template. Advanced Materials, 2004, 16, 429-432.	21.0	82
5	Antireflection Polymer Surface Using Anodic Porous Alumina Molds with Tapered Holes. Chemistry Letters, 2007, 36, 530-531.	1.3	71
6	High-Throughput Fabrication Process for Highly Ordered Through-Hole Porous Alumina Membranes Using Two-Layer Anodization. Electrochimica Acta, 2015, 184, 80-85.	5.2	68
7	Ordered Porous Alumina Geometries and Surface Metals for Surface-Assisted Laser Desorption/Ionization of Biomolecules:Â Possible Mechanistic Implications of Metal Surface Melting. Analytical Chemistry, 2007, 79, 9122-9127.	6.5	59
8	Preparation of Monodisperse SiO2Nanoparticles by Membrane Emulsification Using Ideally Ordered Anodic Porous Alumina. Langmuir, 2004, 20, 554-555.	3.5	57
9	Optimization of antireflection structures of polymer based on nanoimprinting using anodic porous alumina. Journal of Vacuum Science & Technology B, 2008, 26, 1856-1859.	1.3	56
10	Fabrication of Monodisperse Polymer Nanoparticles by Membrane Emulsification Using Ordered Anodic Porous Alumina. Langmuir, 2010, 26, 1516-1519.	3.5	45
11	Ideally ordered porous TiO2 prepared by anodization of pretextured Ti by nanoimprinting process. Electrochemistry Communications, 2015, 50, 73-76.	4.7	44
12	Antireflection Polymer Hole Array Structures by Imprinting Using Metal Molds from Anodic Porous Alumina. Applied Physics Express, 0, 1, 067004.	2.4	43
13	Nanoimprinting Using Ni Molds Prepared from Highly Ordered Anodic Porous Alumina Templates. Japanese Journal of Applied Physics, 2006, 45, L804-L806.	1.5	36
14	Optimizing TiO 2 nanotube morphology for enhanced photocatalytic H 2 evolution using single-walled and highly ordered TiO 2 nanotubes decorated with dewetted Au nanoparticles. Electrochemistry Communications, 2017, 79, 46-50.	4.7	33
15	Preparation of ideally ordered through-hole anodic porous alumina membranes by two-layer anodization. Japanese Journal of Applied Physics, 2017, 56, 035202.	1.5	32
16	Polymer through-hole membrane fabricated by nanoimprinting using metal molds with high aspect ratios. Journal of Vacuum Science & Technology B, 2007, 25, L35-L38.	1.3	28
17	Facile and scalable patterning of sublithographic scale uniform nanowires by ultra-thin AAO free-standing membrane. RSC Advances, 2012, 2, 10618.	3.6	22
18	Polymer lenses with antireflection structures prepared using anodic porous alumina molds. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2016, 34, .	1.2	21

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19	Fabrication of ideally ordered anodic porous TiO 2 by anodization of pretextured two-layered metals. Electrochemistry Communications, 2016, 72, 100-103.	4.7	18
20	Self-ordered anodic porous alumina with inter-hole spacing over 1.5 Î¼m. RSC Advances, 2021, 11, 3777-3782.	3.6	18
21	Nanopillar Polymer Films as Antibacterial Packaging Materials. ACS Applied Nano Materials, 2022, 5, 2578-2591.	5.0	18
22	Monodisperse nanoparticles of metal oxides prepared by membrane emulsification using ordered anodic porous alumina. RSC Advances, 2014, 4, 1538-1542.	3.6	17
23	Cavity-type hypersonic phononic crystals. New Journal of Physics, 2012, 14, 113032.	2.9	16
24	Preparation of Antireflection SiO₂ Structures Based on Nanoimprinting Using Anodic Porous Alumina Molds. Japanese Journal of Applied Physics, 2010, 49, 065202.	1.5	15
25	Fabrication of polymer antireflection structures by injection molding using ordered anodic porous alumina mold. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2014, 32, 021809.	1.2	14
26	Preparation of superhydrophobic surfaces with micro/nano alumina molds. RSC Advances, 2018, 8, 36697-36704.	3.6	14
27	Carbon nanofiber arrays from high-aspect ratio polymer pillar prepared by nanoimprinting using anodic porous alumina. Materials Letters, 2015, 160, 235-237.	2.6	13
28	Fabrication of aluminum nanowires by mechanical deformation of Al using anodic porous alumina molds. Materials Express, 2016, 6, 363-366.	0.5	13
29	Synthesis of Diamond Cylinders with Triangular and Square Cross Sections Using Anodic Porous Alumina Templates. Chemistry Letters, 2002, 31, 976-977.	1.3	12
30	Fabrication of two-dimensional polymer photonic crystals by nanoimprinting using anodic porous alumina mold. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2010, 28, 398-400.	1.2	12
31	Preparation of renewable antireflection moth-eye surfaces by nanoimprinting using anodic porous alumina molds. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2018, 36, 031802.	1.2	12
32	Structure size effect on polymer infiltration in injection molded direct joining. Precision Engineering, 2021, 67, 100-109.	3.4	12
33	Anodic Porous Alumina Masks with Checkerboard Pattern. Applied Physics Express, 2010, 3, 015001.	2.4	11
34	Two-Dimensional Photonic Crystal Composed of Ordered Polymer Nanopillar Arrays with High Aspect Ratios Using Anodic Porous Alumina Templates. Applied Physics Express, 2008, 1, 012002.	2.4	10
35	Fabrication of ideally ordered anodic porous alumina with large area by vacuum deposition of Al onto mold. Journal of Vacuum Science & Technology B, 2008, 26, L10.	1.3	10
36	Anodic porous alumina with elliptical apertures. Electrochemistry Communications, 2018, 96, 61-65.	4.7	10

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37	Preparation of Ordered Porous Alumina Through-Hole Membranes with Large Hole Periods by Two-Layer Anodization. Journal of the Electrochemical Society, 2020, 167, 163502.	2.9	10
38	Direct Nanomolding of Semiconductor Single Crystals. Japanese Journal of Applied Physics, 2000, 39, L256-L258.	1.5	9
39	Ordered Pillar Array Structures of TiO2 by Nanoimprinting Using Anodic Porous Alumina as Molds. Chemistry Letters, 2009, 38, 274-275.	1.3	9
40	Surface-enhanced Raman scattering on gold nanowire array formed by mechanical deformation using anodic porous alumina molds. Applied Physics Express, 2015, 8, 062002.	2.4	9
41	Selective through-holing of anodic porous alumina membranes with large area. RSC Advances, 2018, 8, 38455-38460.	3.6	9
42	Preparation of freestanding tubular alumina through-hole membranes by two-layer anodization. Japanese Journal of Applied Physics, 2020, 59, 038002.	1.5	9
43	Highly ordered anodic porous oxides of transition metals fabricated by anodization combined with a pretexturing process. Electrochemistry Communications, 2021, 123, 106916.	4.7	9
44	Polymer Through-Hole Membranes with High Aspect Ratios from Anodic Porous Alumina Templates. Japanese Journal of Applied Physics, 2006, 45, L1133-L1135.	1.5	8
45	TiO2 hollow spheres with nanoporous structures fabricated by anodization of Ti particles. RSC Advances, 2015, 5, 41830-41834.	3.6	8
46	Renewable Superhydrophobic Surfaces Prepared by Nanoimprinting Using Anodic Porous Alumina Molds. Langmuir, 2021, 37, 10573-10578.	3.5	8
47	Control of thermal radiation in metal hole array structures formed by anisotropic anodic etching of Al. Optics Express, 2018, 26, 27865.	3.4	8
48	Micro-nano hierarchical pillar array structures prepared on curved surfaces by nanoimprinting using flexible molds from anodic porous alumina and their application to superhydrophobic surfaces. RSC Advances, 2022, 12, 20340-20347.	3.6	8
49	Fabrication of Hollow Spheres with Porous Structures by Anodization of Small Al Particles. Applied Physics Express, 0, 1, 084001.	2.4	7
50	Preparation of Uniform-sized Polymer Nanofibers by Extrusive Spinning Using Ordered Anodic Porous Alumina. Chemistry Letters, 2010, 39, 188-189.	1.3	7
51	Two-dimensional photonic crystals based on anodic porous TiO₂ with ideally ordered hole arrangement. Applied Physics Express, 2016, 9, 102001.	2.4	7
52	Formation of porous Al particles by anisotropic anodic etching. Electrochemistry Communications, 2017, 78, 26-28.	4.7	7
53	Preparation of Ordered Nanohole Arrays with High Aspect Ratios by Anodization of Prepatterned 304 Stainless Steel. Journal of the Electrochemical Society, 2022, 169, 063502.	2.9	7
54	In situ template synthesis of one-dimensional gold nanoparticle arrays in organic nanowires. RSC Advances, 2013, 3, 16243.	3.6	6

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55	Preparation of nanoporous alumina hollow spheres with a highly ordered hole arrangement. RSC Advances, 2018, 8, 2041-2047.	3.6	6
56	Efficient Preparation Process for TiO₂ Through-Hole Membranes with Ordered Hole Arrangements. Journal of the Electrochemical Society, 2018, 165, E763-E767.	2.9	6
57	Fabrication of ideally ordered TiO₂ through-hole membranes by two-layer anodization. RSC Advances, 2020, 10, 37657-37661.	3.6	6
58	SnO₂ nanofibers prepared by wet spinning using an ordered porous alumina spinneret. Nanotechnology, 2021, 32, 145603.	2.6	6
59	Preparation of ordered nanohole array structures by anodization of prepatterned Cu, Zn, and Ni. RSC Advances, 2022, 12, 6848-6854.	3.6	6
60	Fabrication of silica moth-eye structures by photo-nanoimprinting using ordered anodic porous alumina molds. Japanese Journal of Applied Physics, 2014, 53, 018002.	1.5	5
61	Facile preparation of porous alumina through-hole masks for sputtering by two-layer anodization. AIP Advances, 2016, 6, 085108.	1.3	5
62	Preparation of Ordered Anodic Porous Alumina with Single-Nanometer-Order-Size Holes by Atomic Layer Deposition. Langmuir, 2021, 37, 8331-8338.	3.5	5
63	Efficient fabrication of ordered alumina through-hole membranes using a TiO₂ protective layer prepared by atomic layer deposition. RSC Advances, 2022, 12, 3662-3671.	3.6	5
64	Pretexturing and Anodization of W for Fabricating Ordered Anodic Porous WO₃. Journal of the Electrochemical Society, 2022, 169, 072504.	2.9	5
65	Patterning of Self-assembled Thin Films Using Vacuum Ultraviolet Irradiation Through Anodic Porous Alumina Mask. Chemistry Letters, 2007, 36, 1266-1267.	1.3	4
66	Fabrication of Ordered Hole Arrays in Anodic Porous Alumina and Its Application to Functional Devices. Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan, 2012, 63, 82.	0.2	4
67	Fabrication of Porous Si Particles by Electrochemical Etching. ECS Solid State Letters, 2013, 2, P117-P119.	1.4	4
68	Preparation of Monodisperse Hydrogel Particles by Membrane Emulsification Using Highly Ordered Anodic Porous Alumina. Chemistry Letters, 2013, 42, 1349-1351.	1.3	4
69	Fabrication of highly ordered nanoporous Si with high aspect ratio through prepatterning of Si using porous alumina mask. Japanese Journal of Applied Physics, 2014, 53, 075201.	1.5	4
70	Enlargement of surface area of Al by electrochemical insertion and deinsertion of Li. Electrochemistry Communications, 2015, 59, 13-15.	4.7	4
71	Preparation of Monodisperse LiCoO2 Hollow Particles by Membrane Emulsification Using Anodic Porous Alumina. Chemistry Letters, 2018, 47, 551-554.	1.3	4
72	Fabrication of metal nanorod arrays using anodic porous alumina mask with elliptical apertures prepared by lattice conversion process. Japanese Journal of Applied Physics, 2021, 60, 010907.	1.5	4

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73	Preparation of moth-eye structures on curved surfaces by nanoimprinting using anodic porous alumina molds. Japanese Journal of Applied Physics, 2022, 61, 038001.	1.5	4
74	Functional Applications of Ordered Nanostructures of Anodic Porous Alumina. Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan, 2014, 65, 414-419.	0.2	3
75	Communicationâ€"Formation of Porous Anodic TiO2with Square Nanoholes by Pretexturing Process. Journal of the Electrochemical Society, 2016, 163, E206-E207.	2.9	3
76	Fabrication of Porous Si Particles by Barrel Anode Etching. Chemistry Letters, 2016, 45, 708-710.	1.3	3
77	Functional Applications of Ordered Anodic Porous Alumina. Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan, 2016, 67, 538-543.	0.2	3
78	Preparation of Polymer Nanofibers with Controlled Diameters by Continuous Spinning Using Ordered Anodic Porous Alumina as Spinneret. Chemistry Letters, 2019, 48, 86-89.	1.3	3
79	Preparation of multilayered porous alumina hollow spheres by anodization of Al particles. Electrochemistry Communications, 2020, 120, 106848.	4.7	3
80	Preparation of Ni micropillar arrays with high aspect ratios using anodic porous alumina template and their application to molds for imprinting. RSC Advances, 2021, 11, 2096-2102.	3.6	3
81	Monodisperse albumin particles fabricated by membrane emulsification using anodic porous alumina. Materials Research Express, 2021, 8, 025003.	1.6	3
82	Communicationâ€"Fabrication of Li Nanohole Array by Replication Process Using Anodic Porous Alumina Template. Journal of the Electrochemical Society, 2021, 168, 032508.	2.9	3
83	2ï¼Žã‚¢ãƒ«ãƒŸãƒŠãƒŽãƒƒãƒ«ã‚¢ãƒ¬ãƒ¼ãƒ®æ–°°å±•é–‹. Electrochemistry, 2015, 83, 1006-1011.	1.4	3
84	Preparation of Ideally Ordered Anodic Porous Alumina by Prepatterning Process Using a Flexible Mold. ECS Journal of Solid State Science and Technology, 2022, 11, 013001.	1.8	3
85	Nanoimprinting Process Using Highly Ordered Anodic Porous Alumina. ECS Transactions, 2010, 33, 67-73.	0.5	2
86	(Invited) Preparation of Ordered Anodic Porous Alumina Through-Hole Membrane and Its Applications. ECS Transactions, 2016, 75, 21-26.	0.5	2
87	Tuning of the interval in a nanohole array of anodic porous alumina through deformation of polymer templates. RSC Advances, 2017, 7, 44799-44803.	3.6	2
88	One-pod preparation of anodic porous alumina molds with tapered holes for moth-eye structures by nanoimprinting. Japanese Journal of Applied Physics, 2019, 58, 068005.	1.5	2
89	Highly Ordered Alumina Through-Hole Membranes Having Reduced Hole Intervals: 30â€"50 nm. ECS Journal of Solid State Science and Technology, 2021, 10, 013007.	1.8	2
90	Formation of ideally ordered porous anodic zirconia by anodization of vacuum deposited Zr on molds. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2021, 39, .	1.2	2

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91	Formation of ideally ordered porous Ga oxide by anodization of pretextured Ga. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2022, 40, 010603.	1.2	2
92	Highly Ordered Anodic Porous Alumina Prepared by Anodization of Al in Extremely Dilute H₂SO₄. Journal of the Electrochemical Society, 2022, 169, 073504.	2.9	2
93	Nanoimprinting Using Highly Ordered Anodic Porous Alumina with Reduced Hole Periods. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2007, 20, 569-571.	0.3	1
94	Fabrication of monodisperse particles by nanoimprinting using anodic porous alumina molds. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2014, 32, 011802.	1.2	1
95	Functional Optical Devices Based on Highly Ordered Metal Nanostructures Obtained Using Anodic Porous Alumina. ECS Transactions, 2015, 69, 235-239.	0.5	1
96	Anodic porous alumina with square holes through lattice conversion of naturally occurring ordered structures. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2017, 35, 050602.	1.2	1
97	Ideally Ordered Anodic Porous Alumina on Si Substrate Prepared by Anodization of Sputtered Alâ€“Mg Thin Film. ECS Journal of Solid State Science and Technology, 2021, 10, 115002.	1.8	1
98	Fabrication of Nanohole Array by Anodization of Al and Its Application to Ordered Surfaces. Journal of the Vacuum Society of Japan, 2009, 52, 207-211.	0.3	0
99	Formation of Functional Optical Device Using Anodic Porous Alumina. Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan, 2021, 72, 206-210.	0.2	0
100	Preparation of Monodisperse Nanoparticles by Membrane Emulsification Using Ordered Anodic Porous Alumina and Its Application to Batteries. Hosokawa Powder Technology Foundation ANNUAL REPORT, 2021, 28, 98-102.	0.0	0
101	Template-Free Preparation of Metal Nanowires by Two-Phase Electrolysis Using Cells Composed of Water and Oil Phases. Journal of the Electrochemical Society, 2021, 168, 093502.	2.9	0
102	Fabrication of TiO2 Nanoparticles with Triangular Cross Section by Template Processes. Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan, 2004, 55, 478-483.	0.2	0
103	In situ synthesis of composite nanowires consisting of metal nanoparticles in ion-exchangeable polymer matrix using porous alumina templates. Transactions of the Materials Research Society of Japan, 2012, 37, 185-188.	0.2	0
104	Thermal radiation control structure obtained by anisotropic anode etching of Al. , 2019, , .		0