Hiroshi Yoshida

List of Publications by Year
in descending order

56	1,498	304602 22	315616 38
papers	citations	h-index	g-index

56	56	56	1013
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Design of Thermoresponsive Polymers Toward Antibody Purification. ACS Applied Polymer Materials, 2019, 1, 1925-1929.	2.0	6
2	Slowing the translocation of single-stranded DNA by using nano-cylindrical passage self-assembled by amphiphilic block copolymers. Nanoscale, 2016, 8, 18270-18276.	2.8	13
3	Creation of Different Types of Patterns in the Selectiveâ€“Area of Thin Films for Block Copolymer Containing Silsesquioxanes. Science of Advanced Materials, 2015, 7, 969-973.	0.1	0
4	Analyses of Morphologies in Block Copolymer Thin Films by Grazing Incidence Small Angle X-ray Scattering. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2014, 27, 751-755.	0.1	1
5	Advanced CD-SEM metrology for pattern roughness and local placement of lamellar DSA. Proceedings of SPIE, 2014, , .	0.8	7
6	Chemical Patterns for Directed Self-Assembly of Lamellae-Forming Block Copolymers with Density Multiplication of Features. Macromolecules, 2013, 46, 1415-1424.	2.2	201
7	Directed Assembly of Block Copolymers in Thin to Thick Films. Macromolecules, 2013, 46, 3915-3921.	2.2	34
8	Effect of oxygen addition to an argon plasma on etching selectivity of poly(methyl methacrylate) to polystyrene. Journal of Micro/ Nanolithography, MEMS, and MOEMS, 2013, 12, 041309.	1.0	20
9	Silicon Mold Etching with Hard Mask Stack Using Spherical Structure of Block Copolymer for Bit-Patterned Media with 2.8 Tbit/in.2. Japanese Journal of Applied Physics, 2013, 52, 086201.	0.8	0
10	Reducing hole-size variation and defect ratio after pattern transfer by using self-assembled polymer with spherical structure. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2013, 31, 041807.	0.6	2
11	Line edge roughness measurement technique for fingerprint pattern in block copolymer thin film. , 2013, , .		1
12	Topcoat Approaches for Directed Self-Assembly of Strongly Segregating Block Copolymer Thin Films. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2013, 26, 55-58.	0.1	52
13	Corrosion Resistance of Next Generation Magnetic Disk (2). Zairyo To Kankyo/ Corrosion Engineering, 2013, 62, 52-55.	0.0	0
14	Directed Self-Assembly of POSS Containing Block Copolymer on Lithographically Defined Chemical Template with Morphology Control by Solvent Vapor. Macromolecules, 2012, 45, 292-304.	2.2	91
15	Morphology of Lamellae-Forming Block Copolymer Films between Two Orthogonal Chemically Nanopatterned Striped Surfaces. Physical Review Letters, 2012, 108, 065502.	2.9	34
16	Nonbulk Complex Structures in Thin Films of Symmetric Block Copolymers on Chemically Nanopatterned Surfaces. Macromolecules, 2012, 45, 3986-3992.	2.2	40
17	Directed Self-assembly with Density Mmultiplication of Cage Silsesquioxane-containing Bblock Copolymer via Controlled Solvent Annealing. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2011, 24, 577-580.	0.1	15
18	Cross-sectional Imaging of Block Copolymer Thin Films on Chemically Patterned Surfaces. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2010, 23, 149-154.	0.1	14

#	Article	IF	Citations
19	Directed Self-Assembly of Cage Silsesquioxane Containing Block Copolymers via Graphoepitaxy Techniques. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2010, 23, 155-159.	0.1	23
20	Formation of longâ€range stripe patterns with subâ€10â€nm halfâ€pitch from directed selfâ€assembly of block copolymer. Journal of Polymer Science, Part B: Polymer Physics, 2010, 48, 2297-2301.	2.4	22
21	Selective and Anisotropic Copper Electroplating Using Copper Overburden with an Inhibiting Additive. Electrochemical and Solid-State Letters, 2010, 13, D23.	2.2	6
22	Advanced trench filling process by selective copper electrodeposition for ultra fine printed wiring board fabrication. , 2010, , .		2
23	Nine-fold density multiplication of hcp lattice pattern by directed self-assembly of block copolymer. Polymer, 2009, 50, 4250-4256.	1.8	45
24	Density Multiplication by Directed Self-assembly of Block Copolymer Binary Blends. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2009, 22, 229-233.	0.1	11
25	Directed Self-Assembly of Diblock Copolymer Thin Films on Chemically-Patterned Substrates for Defect-Free Nano-Patterning. Macromolecules, 2008, 41, 9267-9276.	2.2	106
26	Alignment of Cylindrical Microdomains on a Grating Substrate by Binary Blends of Polystyrene-Poly(methyl methacrylate). Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2007, 20, 505-510.	0.1	0
27	Analysis on Deterioration Mechanism of Release Layer in Nanoimprint Process. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2007, 20, 545-548.	0.1	42
28	Control of the Microdomain Orientation in Block Copolymer Thin Films with Homopolymers for Lithographic Application. Langmuir, 2007, 23, 6404-6410.	1.6	41
29	Ordering Cylindrical Microdomains for Binary Blends of Block Copolymers with Graphoepitaxy. Macromolecular Rapid Communications, 2007, 28, 2137-2144.	2.0	20
30	P-23: Thin Durable Metal Substrates for High-Resolution a-Si TFT Active Matrix Displays. Digest of Technical Papers SID International Symposium, 2006, 37, 266.	0.1	0
31	Tailoring Microdomain Orientation in Block Copolymer Thin Films for Lithographic Application. Materials Research Society Symposia Proceedings, 2006, 961, 1.	0.1	2
32	Glass-modified stress waves for adhesion measurement of ultra thin films for device applications. Journal of the Mechanics and Physics of Solids, 2003, 51, 1395-1412.	2.3	26
33	Observation of Fine Structure in Bicontinuous Phase-Separated Domains of a Polymer Blend by Laser Scanning Confocal Microscopy. Macromolecules, 2001, 34, 5186-5191.	2.2	22
34	Inhomogeneous distribution of charged colloidal particles studied by confocal laser scanning microscopy. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2000, 174, 55-77.	2.3	3
35	Transitions between Ordered and Disordered Phases and Their Coexistence in Dilute Ionic Colloidal Dispersions. Langmuir, 1999, 15, 2684-2702.	1.6	71
36	Reentrant Orderâ^'Disorder Transition in Ionic Colloidal Dispersions by Varying Particle Charge Densityâ€. Langmuir, 1999, 15, 4198-4202.	1.6	22

#	Article	IF	Citations
37	Novel Crystallization Process in Dilute Ionic Colloids. Langmuir, 1998, 14, 569-574.	1.6	29
38	Reentrant Solid-Liquid Transition in Ionic Colloidal Dispersions by Varying Particle Charge Density. Physical Review Letters, 1998, 80, 5806-5809.	2.9	103
39	Paradoxes of the Repulsion-Only Assumption. Accounts of Chemical Research, 1996, 29, 3-5.	7.6	42
40	Restricted Motion of a Particle Trapped inside a Void in a Colloidal Dispersion. Langmuir, 1995, 11, 2853-2855.	1.6	10
41	Void structure and vaporâ€“liquid condensation in dilute deionized colloidal dispersions. Journal of Chemical Physics, 1995, 103, 10146-10151.	1.2	73
42	Study of the Internal Structure of Latex Dispersions by Laser Scanning Microscope. Confirmation of Void Structure. Chemistry Letters, 1992, 21, 2081-2084.	0.7	14
43	Colloidal crystal growth. Journal of the Chemical Society, Faraday Transactions, 1991, 87, 371.	1.7	24
44	Localized ordered structure in polymer latex suspensions as studied by a confocal laser scanning microscope. Physical Review B, 1991, 44, 435-438.	1.1	34
45	Growth of local structure in colloidal suspensions. Physical Review B, 1990, 41, 5403-5406.	1.1	6
46	Inhomogeneity of solute distribution in ionic systems. Faraday Discussions of the Chemical Society, 1990, 90, 153.	2.2	31
47	Microscopic observation and quasielastic light-scattering measurements of colloid crystals. Determination of the radial distribution function and structure factor for the two-state structure. Journal of the American Chemical Society, 1990, 112, 592-596.	6.6	16
48	Ordering of latex particles and ionic polymers in solutions. Langmuir, 1990, 6, 296-302.	1.6	31
49	Life span of a local structure in colloidal suspensions. Journal of the American Chemical Society, 1989, 111, 2347-2348.	6.6	7
50	Two-dimensional Fourier analysis and quasielastic light-scattering measurements of colloid crystals. Physical Review B, 1988, 38, 10852-10859.	1.1	18
51	ESR Study on Irradiated Pyridine: Effect of Iodine Addition. Journal of Chemical Physics, 1967, 46, 2808-2810.	1.2	7
52	ESR Spectra of Trapped Electrons in Î³â€Irradiated 3â€Methylpentane. Journal of Chemical Physics, 1967, 46, 810-811.	1.2	21
53	ESR Study of Irradiated Pyridine. Journal of Chemical Physics, 1966, 45, 2894-2897.	1.2	23
54	Electron spin resonance study of radiation-induced solid-state polymerization of conjugated dienes. Journal of Polymer Science Part A-1, Polymer Chemistry, 1966, 4, 2710-2713.	0.7	10

#	Article	IF	Citations
55	Effect of Free Radicals on the Proton Resonance of Irradiated Polymers. Journal of the Physical Society of Japan, 1962, 17, 581-581.	0.7	1
56	Improved lithography by directed self-assembly of ultra-high-density patterns. SPIE Newsroom, 0, , .	0.1	3