

Norifumi L Yamada

List of Publications by Year in descending order

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Version: 2024-02-01

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361413

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docs citations

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times ranked

1730
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#	ARTICLE	IF	CITATIONS
1	Neutron reflectometry-based in situ structural analysis of an aligning agent additive for the alignment of nematic liquid crystals on solid substrates. <i>Soft Matter</i> , 2022, 18, 545-553.	2.7	1
2	Neutron flat-panel detector using InGaZnO thin-film transistor. <i>Review of Scientific Instruments</i> , 2022, 93, 013304.	1.3	3
3	New Design of a Sample Cell for Neutron Reflectometry in Liquid-Liquid Systems and Its Application for Studying Structures at Air-Liquid and Liquid-Liquid Interfaces. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 1215.	2.5	2
4	The role of the molecular weight of the adsorbed layer on a substrate in the suppressed dynamics of supported thin polystyrene films. <i>Soft Matter</i> , 2022, 18, 1997-2005.	2.7	15
5	Effect of Oligomer Segregation on the Aggregation State and Strength at the Polystyrene/Substrate Interface. <i>ACS Macro Letters</i> , 2022, 11, 504-509.	4.8	7
6	Interfacial Selective Study on the Gelation Behavior of Aqueous Methylcellulose Solution via a Quartz Crystal Microbalance. <i>Langmuir</i> , 2022, , .	3.5	0
7	Hydrophobicity of the Pentafluorosulfanyl Group in Side Chains of Polymethacrylates by Evaluation with Surface Free Energy and Neutron Reflectivity. <i>Langmuir</i> , 2022, 38, 6472-6480.	3.5	5
8	Effects of Lithium Bis(oxalate)borate Electrolyte Additive on the Formation of a Solid Electrolyte Interphase on Amorphous Carbon Electrodes by <i>Operando</i> Time-Slicing Neutron Reflectometry. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 24526-24535.	8.0	4
9	Performance of position-sensitive flat-panel and resistor type photomultiplier tube detector on neutron reflectometer SOFIA at J-PARC. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2022, 1040, 166988.	1.6	2
10	Installation of a Rheometer on Neutron Reflectometer SOFIA at J-PARC toward Rheo-NR and Observation of the Crystallization Behavior of Cocoa Butter in Chocolate. , 2021, , .		2
11	Humidity-Induced Nanoscale Restructuring in PEDOT:PSS and Cellulose Nanofibrils Reinforced Biobased Organic Electronics. <i>Advanced Electronic Materials</i> , 2021, 7, 2100137.	5.1	11
12	Poly[oligo(2-ethyl-2-oxazoline) methacrylate] as a surface modifier for bioinertness. <i>Polymer Journal</i> , 2021, 53, 643-653.	2.7	6
13	Multilayered Lamellar Materials and Thin Films by Instant Self-Assembly of Amphiphilic Random Copolymers. <i>ACS Macro Letters</i> , 2021, 10, 1524-1528.	4.8	7
14	Investigation of Interfacial Water Accumulation between Polypropylene Thin Film and Si Substrate by Neutron Reflectivity. <i>Langmuir</i> , 2021, 37, 14550-14557.	3.5	7
15	Modification of a Polymer Surface by Partial Swelling Using Nonsolvents. <i>Langmuir</i> , 2021, 37, 14941-14949.	3.5	1
16	Polymer Brush Formation Assisted by the Hierarchical Self-Assembly of Topological Supramolecules. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 60446-60453.	8.0	2
17	Neutron Reflectivity on the Mobile Surface and Immobile Interfacial Layers in the Poly(vinyl acetate) Adsorption Layer on a Si Substrate with Deuterated Toluene Vapor-Induced Swelling. <i>Langmuir</i> , 2020, 36, 15181-15188.	3.5	6
18	Design of a Bioinert Interface Using an Amphiphilic Block Copolymer Containing a Bottlebrush Unit of Oligo(oxazoline). <i>ACS Applied Bio Materials</i> , 2020, 3, 7363-7368.	4.6	5

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19	Water Distribution in Nafion Thin Films on Hydrophilic and Hydrophobic Carbon Substrates. Langmuir, 2020, 36, 12830-12837.	3.5	15
20	Cationic Polymer Brush/Giant Polysaccharide Sacran Assembly: Structure and Lubricity. Langmuir, 2020, 36, 6494-6501.	3.5	9
21	<i>Operando</i> Time-Slicing Neutron Reflectometry Measurements of Solid Electrolyte Interphase Formation on Amorphous Carbon Surfaces of a Li-Ion Battery. Bulletin of the Chemical Society of Japan, 2020, 93, 854-861.	3.2	10
22	Interfacial Energy Measurement on the Reconstructive Polymer Surface: Dynamic Polymer Brush by Segregation of Amphiphilic Block Copolymers. Langmuir, 2020, 36, 6465-6472.	3.5	11
23	A Facile Surface Functionalization Method for Polymers Using a Nonsolvent. ACS Applied Bio Materials, 2020, 3, 2170-2176.	4.6	4
24	Sublayered Thin Films of Hydrated Anion Exchange Ionomer for Fuel Cells Formed on SiO ₂ and Pt Substrates Analyzed by Neutron Reflectometry under Controlled Temperature and Humidity Conditions. Langmuir, 2020, 36, 4955-4963.	3.5	9
25	Application of precise neutron focusing mirrors for neutron reflectometry: latest results and future prospects. Journal of Applied Crystallography, 2020, 53, 1462-1470.	4.5	6
26	Role of conductive binder to direct solidâ€“electrolyte interphase formation over silicon anodes. Physical Chemistry Chemical Physics, 2019, 21, 17356-17365.	2.8	15
27	Instability of Polystyrene Film and Thermal Behaviors Mediated by Unfavorable Silicon Oxide Interlayer. Macromolecules, 2019, 52, 7524-7530.	4.8	9
28	Surface properties of the ethanol/water mixture: Thickness and composition. Journal of Molecular Liquids, 2019, 290, 111005.	4.9	8
29	In-plane distribution of water inside Nafion [®] thin film analyzed by neutron reflectivity at temperature of 80Â°C and relative humidity of 30â€“80% based on 4-layered structural model. Japanese Journal of Applied Physics, 2019, 58, S1D01.	1.5	13
30	Adhesion Control of Elastomer Sheet on the Basis of Interfacial Segregation of Hyperbranched Polymer. ACS Macro Letters, 2019, 8, 267-271.	4.8	22
31	Sublayered Structures of Hydrated Nafion ^{&sup>&A&sup>} Thin Film Formed by Casting on Pt Substrate Analyzed by X-ray Absorption Spectroscopy under Ambient Conditions and Neutron Reflectometry at Temperature of 80Â°C and Relative Humidity of 30â€“80%. Electrochemistry, 2019, 87, 270-275.	1.4	13
32	Compositional Segregation in a Cross Section of Wet Nafion Thin Film on a Platinum Surface. Chemistry Letters, 2019, 48, 51-54.	1.3	14
33	Direct observation of mobility of thin polymer layers via asymmetric interdiffusion using neutron reflectivity measurements. Journal of Chemical Physics, 2019, 151, 244905.	3.0	1
34	Ion-Specific Hydration States of Zwitterionic Poly(sulfobetaine methacrylate) Brushes in Aqueous Solutions. Langmuir, 2019, 35, 1583-1589.	3.5	29
35	Elliptic neutron-focusing supermirror for illuminating small samples in neutron reflectometry. Optics Express, 2019, 27, 26807.	3.4	13
36	Directed Vertical Diffusion of Photovoltaic Active Layer Components into Porous ZnOâ€“Based Cathode Buffer Layers. Small, 2018, 14, e1704310.	10.0	7

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37	Polyrotaxane Brushes Dynamically Formed at a Water/Elastomer Interface. <i>Langmuir</i> , 2018, 34, 5297-5302.	3.5	10
38	Effect of Preferential Orientation of Lamellae in the Interfacial Region between a Block Copolymer-based Pressure-Sensitive Adhesive and a Solid Substrate on the Peel Strength. <i>Langmuir</i> , 2018, 34, 2856-2864.	3.5	6
39	In-situ measurement of phospholipid nanodisk adhesion on a solid substrate using neutron reflectometry and atomic force microscopy. <i>Physica B: Condensed Matter</i> , 2018, 551, 222-226.	2.7	9
40	Counteranion-Specific Hydration States of Cationic Polyelectrolyte Brushes. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 5268-5275.	3.7	23
41	Impact of the Solid Interface on Proton Conductivity in Nafion Thin Films. <i>Langmuir</i> , 2018, 34, 15483-15489.	3.5	22
42	A thermoresponsive dynamic polymer brush fabricated by the segregation of amphiphilic diblock copolymers. <i>Soft Matter</i> , 2018, 14, 5930-5935.	2.7	7
43	Precision Mechanical Design of 900- μ m Long Ellipsoidal Neutron-focusing Supermirror for VIN ROSE at J-PARC/MLF. , 2018, , .		5
44	Neutron Reflectivity Study for Solution-processed Organic/Organic Interfacial Structures in Organic Light-emitting Devices. <i>Hamon</i> , 2018, 28, 183-186.	0.0	1
45	Development of New Neutron Mirrors for Measuring the Neutron Electric Dipole Moment. , 2018, , .		0
46	Observation of 400-kHz TOF-MIEZE Signals. , 2018, , .		0
47	Interfacial interaction and glassy dynamics in stacked thin films of poly(methyl methacrylate). <i>Journal of Chemical Physics</i> , 2017, 146, 203305.	3.0	7
48	Effect of Charged Group Spacer Length on Hydration State in Zwitterionic Poly(sulfobetaine) Brushes. <i>Langmuir</i> , 2017, 33, 8404-8412.	3.5	63
49	Structure and Mechanical Properties of Polybutadiene Thin Films Bound to Surface-Modified Carbon Interface. <i>Langmuir</i> , 2017, 33, 8883-8890.	3.5	4
50	Supermirror neutron guide system for neutron resonance spin echo spectrometers at a pulsed neutron source. <i>Journal of Nuclear Science and Technology</i> , 2017, 54, 1223-1232.	1.3	19
51	Quantitative Analysis of Polymer Brush Formation Kinetics Using Quartz Crystal Microbalance: Viscoelasticity of Polymer Brush. <i>Langmuir</i> , 2017, 33, 5166-5172.	3.5	15
52	Kinetics of Dynamic Polymer Brush Formation. <i>Macromolecules</i> , 2017, 50, 5549-5555.	4.8	15
53	Development of precision elliptic neutron-focusing supermirror. <i>Optics Express</i> , 2017, 25, 20012.	3.4	17
54	Materials and Life Science Experimental Facility (MLF) at the Japan Proton Accelerator Research Complex II: Neutron Scattering Instruments. <i>Quantum Beam Science</i> , 2017, 1, 9.	1.2	69

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55	Water Content Near Surface of Poly(dimethyl siloxane)- <i>co</i> -poly(<i>N,N</i> -dimethyl) Tj ETQq1 1 0.784314 rgBT /Overload 36-40.	0.2	0
56	The Novel Additive 1- <i>N</i> -Naphthalenethiol Opens a New Processing Route to Efficiency-Enhanced Polymer Solar Cells. <i>Advanced Functional Materials</i> , 2016, 26, 3094-3104.	14.9	52
57	Neutron reflectometry analysis of Li ₄ Ti ₅ O ₁₂ /organic electrolyte interfaces: characterization of surface structure changes and lithium intercalation properties. <i>Journal of Materials Research</i> , 2016, 31, 3142-3150.	2.6	10
58	Operando Measurement of Solid Electrolyte Interphase Formation at Working Electrode of Li-Ion Battery by Time-Slicing Neutron Reflectometry. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 9540-9544.	8.0	61
59	Inclusion Complex of β -Cyclodextrin with Poly(ethylene glycol) Brush. <i>Macromolecules</i> , 2016, 49, 6947-6952.	4.8	27
60	Unswollen layer of cross-linked polyisoprene at the solid interface. <i>Polymer</i> , 2016, 105, 526-531.	3.8	21
61	Development of a large plano-elliptical neutron-focusing supermirror with metallic substrates. <i>Optics Express</i> , 2016, 24, 12478.	3.4	18
62	Dynamic Behavior at the Interface between Lithium Cobalt Oxide and an Organic Electrolyte Monitored by Neutron Reflectivity Measurements. <i>Journal of Physical Chemistry C</i> , 2016, 120, 20082-20088.	3.1	39
63	Mechanism of Spontaneous Blebbing Motion of an Oil-Water Interface: Elastic Stress Generated by a Lamellar-Lamellar Transition. <i>Langmuir</i> , 2016, 32, 2891-2899.	3.5	9
64	Depth Distribution of Component for the Thin Films of Binary Polystyrene Blends with Different Molecular Weights. , 2015, , .		1
65	The ion beam sputtering facility at KURRI: Coatings for advanced neutron optical devices. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2015, 797, 265-270.	1.6	34
66	Effect of Local Chain Dynamics on a Bioinert Interface. <i>Langmuir</i> , 2015, 31, 3661-3667.	3.5	52
67	Molecular Interdiffusion between Stacked Layers by Solution and Thermal Annealing Processes in Organic Light Emitting Devices. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 20779-20785.	8.0	37
68	Development of Horizontal Type Neutron Reflectometer SOFIA in J-PARC. <i>Hamon</i> , 2015, 25, 136-140.	0.0	1
69	Precise Evaluation of Angstrom-Ordered Mixed Interfaces in Solution-Processed OLEDs by Neutron Reflectometry. <i>Advanced Materials Interfaces</i> , 2014, 1, 1400097.	3.7	18
70	Time-Resolved Neutron Reflectometry and Photovoltaic Device Studies on Sequentially Deposited PCDTBT-Fullerene Layers. <i>Langmuir</i> , 2014, 30, 11474-11484.	3.5	35
71	Organic Light Emitting Devices: Precise Evaluation of Angstrom-Ordered Mixed Interfaces in Solution-Processed OLEDs by Neutron Reflectometry (Adv. Mater. Interfaces 9/2014). <i>Advanced Materials Interfaces</i> , 2014, 1, .	3.7	0
72	Numerical simulation of BL06 neutron beamline for ϵ -VIN ROSE at J-PARC/MLF. <i>Progress in Nuclear Science and Technology</i> , 2014, 4, 214-217.	0.3	1

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73	Neutron Reflectometers in J-PARC. Hamon, 2014, 24, 288-295.	0.0	3
74	Spontaneous Motion of the Oil-water Interface Induced by the Generation of Surfactant Aggregates. Hamon, 2014, 24, 244-249.	0.0	0
75	Dewetting Process of Deuterated Polystyrene and Poly(vinyl methyl ether) Blend Thin Films via Phase Separation. <i>Macromolecules</i> , 2013, 46, 4540-4547.	4.8	15
76	Multistep Thickening of Nafion Thin Films in Water. <i>ACS Macro Letters</i> , 2013, 2, 856-859.	4.8	46
77	High Density Polymer Brush Spontaneously Formed by the Segregation of Amphiphilic Diblock Copolymers to the Polymer/Water Interface. <i>ACS Macro Letters</i> , 2013, 2, 265-268.	4.8	59
78	Chain-mixing behavior at interface between polystyrene brushes and polystyrene matrices. <i>Polymer Journal</i> , 2013, 45, 117-123.	2.7	15
79	Kinetic Process of Formation and Reconstruction of Small Unilamellar Vesicles Consisting of Long- and Short-Chain Lipids. <i>Langmuir</i> , 2012, 28, 17381-17388.	3.5	10
80	Neutron Reflectivity Study on Bio-molecules using Bio-mimetic Membranes. Hamon, 2012, 22, 318-321.	0.0	0
81	Neutron Reflectivity Measurements at Oversea Facilities. Hamon, 2012, 22, 67-70.	0.0	0
82	Advanced Neutron Reflectometer for Investigation on Dynamic/Static Structures of Soft-Interfaces in J-PARC. <i>Journal of Physics: Conference Series</i> , 2011, 272, 012017.	0.4	26
83	Precise Analyses of Short-Time Relaxation at Asymmetric Polystyrene Interface in Terms of Molecular Weight by Time-Resolved Neutron Reflectivity Measurements. <i>Macromolecules</i> , 2011, 44, 9424-9433.	4.8	20
84	Surface and interface porosity of polymer/fullerene-derivative thin films revealed by contrast variation of neutron and X-ray reflectivity. <i>Soft Matter</i> , 2011, 7, 9276.	2.7	30
85	Structural Analysis on a Block Copolymer Thin Film by <i>In-situ</i> Neutron and X-ray Grazing-incidence Scattering Techniques. Hamon, 2011, 21, 91-95.	0.0	0
86	Neutron Spin Echo Spectrometers at the Pulsed Neutron Source. Hamon, 2011, 21, 239-242.	0.0	0
87	Observation of Undulation Motion of Lipid Bilayers by Neutron Spin Echo. Hamon, 2010, 20, 167-170.	0.0	0
88	Nanopore formation on unilamellar vesicles of long- and short-chain lipids. <i>Physical Review E</i> , 2009, 79, 032902.	2.1	9
89	Structural Changes of Dipalmitoyl Phosphatidylcholine Aqueous Solution Induced by Temperature, Pressure, and Adding Ethanol. <i>Journal of the Physical Society of Japan</i> , 2007, 76, 054602.	1.6	10
90	Neutron Reflectometry on Interfacial Structures of the Thin Films of Polymer and Lipid. <i>Polymer Journal</i> , 2007, 39, 1238-1246.	2.7	38