

# Fumiya Nemoto

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1155135/publications.pdf>

Version: 2024-02-01

23  
papers

169  
citations

1478505

6  
h-index

1125743

13  
g-index

23  
all docs

23  
docs citations

23  
times ranked

246  
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermal and Structural Studies of Imidazolium-Based Ionic Liquids with and without Liquid-Crystalline Phases: The Origin of Nanostructure. <i>Journal of Physical Chemistry B</i> , 2015, 119, 5028-5034.	2.6	59
2	Neutron scattering studies on short- and long-range layer structures and related dynamics in imidazolium-based ionic liquids. <i>Journal of Chemical Physics</i> , 2018, 149, 054502.	3.0	20
3	Sublayered Structures of Hydrated Nafion <sup>®</sup> Thin Film Formed by Casting on Pt Substrate Analyzed by X-ray Absorption Spectroscopy under Ambient Conditions and Neutron Reflectometry at Temperature of 80°C and Relative Humidity of 30–80%. <i>Electrochemistry</i> , 2019, 87, 270-275.	1.4	13
4	Elliptic neutron-focusing supermirror for illuminating small samples in neutron reflectometry. <i>Optics Express</i> , 2019, 27, 26807.	3.4	13
5	Anchoring and alignment in a liquid crystal cell: self-alignment of homogeneous nematic. <i>Soft Matter</i> , 2012, 8, 11526.	2.7	12
6	Surface Effect on Frictional Properties for Thin Hydrogel Films of Poly(vinyl ether). <i>Macromolecules</i> , 2019, 52, 9632-9638.	4.8	9
7	Conosolvency of Poly[2-(methacryloyloxy)ethyl phosphorylcholine] in Ethanol–Water Mixtures: A Neutron Reflectivity Study. <i>Langmuir</i> , 2022, 38, 5081-5088.	3.5	7
8	Application of precise neutron focusing mirrors for neutron reflectometry: latest results and future prospects. <i>Journal of Applied Crystallography</i> , 2020, 53, 1462-1470.	4.5	6
9	CO <sub>2</sub> capture by quenched quaternary ammonium ionic liquid-propanol mixtures assessed by Raman spectroscopy. <i>Journal of Molecular Liquids</i> , 2020, 315, 113687.	4.9	5
10	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
11	A Facile Surface Functionalization Method for Polymers Using a Nonsolvent. <i>ACS Applied Bio Materials</i> , 2020, 3, 2170-2176.	4.6	4
12	Spontaneous formations of nanoconfined water in ionic liquids by small-angle neutron scattering. <i>Journal of Molecular Liquids</i> , 2021, , 117035.	4.9	4
13	Surface structure of the mixture of 1-alkyl-3-methylimidazolium iodide and polyiodide observed by surface tension measurement and X-ray reflectivity. <i>Journal of Molecular Liquids</i> , 2021, 337, 116381.	4.9	3
14	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
15	Performance of position-sensitive flat-panel and resister 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
16	Direct observation of mobility of thin polymer layers via asymmetric interdiffusion using neutron reflectivity measurements. <i>Journal of Chemical Physics</i> , 2019, 151, 244905.	3.0	1
17	Critical Scattering in Room-Temperature Ionic Liquid–Propanol Solutions. <i>Journal of Solution Chemistry</i> , 2021, 50, 220-231.	1.2	1
18	Thickness and birefringence of thin films assessed by interferometry using a low-cost spectrometer. <i>Spectroscopy Letters</i> , 2021, 54, 707-714.	1.0	1

#	ARTICLE	IF	CITATIONS
19	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
20	Modification of a Polymer Surface by Partial Swelling Using Nonsolvents. <i>Langmuir</i> , 2021, 37, 14941-14949.	3.5	1
21	Hierarchical Structure and Dynamics of Ionic Liquids Studied by Neutron Scattering. <i>Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu</i> , 2015, 25, 200-207.	0.0	0
22	Thermal Stability and Interfacial Segregation for Polymer Thin Films Blended with a Homologue Having Different Tacticity. , 2021, , .		0
23	Neutron Reflectometry Study of Penetration of Protective Coating Material by Deuterated Sodium Pyruvate. , 2019, , .		0