

# Atsushi Izumi

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1539535/publications.pdf>

Version: 2024-02-01

29  
papers

618  
citations

567144

15  
h-index

580701

25  
g-index

29  
all docs

29  
docs citations

29  
times ranked

499  
citing authors

#	ARTICLE	IF	CITATIONS
1	Design and Synthesis of Stimuli-Responsive Conjugated Polymers Having Azobenzene Units in the Main Chain. <i>Macromolecules</i> , 2001, 34, 4342-4347.	2.2	77
2	Synthesis of Poly(p-phenylene)-Based Photoresponsive Conjugated Polymers Having Azobenzene Units in the Main Chain. <i>Macromolecules</i> , 2000, 33, 5347-5352.	2.2	72
3	Atomistic molecular dynamics study of cross-linked phenolic resins. <i>Soft Matter</i> , 2012, 8, 5283.	1.2	59
4	Synthesis of conjugated polymers with azobenzene moieties in the main chain. <i>Journal of Polymer Science Part A</i> , 2000, 38, 1057-1063.	2.5	44
5	Structure-mechanical property relationships in crosslinked phenolic resin investigated by molecular dynamics simulation. <i>Polymer</i> , 2017, 116, 506-514.	1.8	38
6	Gelation and cross-link inhomogeneity of phenolic resins studied by <sup>13</sup> C-NMR spectroscopy and small-angle X-ray scattering. <i>Soft Matter</i> , 2013, 9, 4188.	1.2	35
7	Large-scale molecular dynamics simulation of crosslinked phenolic resins using pseudo-reaction model. <i>Polymer</i> , 2016, 103, 261-276.	1.8	34
8	Cross-link inhomogeneity in phenolic resins at the initial stage of curing studied by <sup>1</sup> H-pulse NMR spectroscopy and complementary SAXS/WAXS and SANS/WANS with a solvent-swelling technique. <i>Polymer</i> , 2016, 103, 152-162.	1.8	32
9	Structural analysis of cured phenolic resins using complementary small-angle neutron and X-ray scattering and scanning electron microscopy. <i>Soft Matter</i> , 2012, 8, 8438.	1.2	29
10	Gelation and cross-link inhomogeneity of phenolic resins studied by small- and wide-angle X-ray scattering and <sup>1</sup> H-pulse NMR spectroscopy. <i>Polymer</i> , 2015, 59, 226-233.	1.8	28
11	Synthesis and properties of a deuterated phenolic resin. <i>Journal of Polymer Science Part A</i> , 2011, 49, 4941-4947.	2.5	19
12	Molecular Dynamics Simulations of Cross-Linked Phenolic Resins Using a United-Atom Model. <i>Macromolecular Theory and Simulations</i> , 2018, 27, 1700103.	0.6	18
13	Dynamic light scattering and small-angle neutron scattering studies on phenolic resin solutions. <i>Polymer</i> , 2011, 52, 4355-4361.	1.8	17
14	A New Synthetic Method for Poly(arylene)s Using Bis(pinacolato)diboron as a Condensation Reagent. <i>Chemistry Letters</i> , 2000, 29, 728-729.	0.7	16
15	Dynamic light scattering study of the curing mechanisms of novolac-type phenolic resins. <i>Polymer Journal</i> , 2015, 47, 428-433.	1.3	16
16	Synthesis of A New Class of n-Dopable and Photoluminescent Conjugated Polymers Having Phenazine Units in the Main Chain. <i>Macromolecules</i> , 2000, 33, 8918-8920.	2.2	15
17	In situ residual stress analysis in a phenolic resin and copper composite material during curing. <i>Polymer</i> , 2019, 182, 121857.	1.8	14
18	Network structure evolution of a hexamethylenetetramine-cured phenolic resin. <i>Polymer Journal</i> , 2019, 51, 155-160.	1.3	13

#	ARTICLE	IF	CITATIONS
19	Diffusion Behavior of Methanol Molecules Confined in Cross-Linked Phenolic Resins Studied Using Neutron Scattering and Molecular Dynamics Simulations. <i>Macromolecules</i> , 2018, 51, 6334-6343.	2.2	12
20	Multicolor Fluorescent $\pi$ -Conjugated Oligomer Having Salicylideneaniline Moieties. <i>Chemistry Letters</i> , 2001, 30, 916-917.	0.7	10
21	Phenolic Resins – Recent Progress of Structure and Properties Investigations. <i>Macromolecular Symposia</i> , 2019, 385, 1800156.	0.4	7
22	Interfacial Cross-Link Inhomogeneity of a Phenolic Resin on a Silica Surface As Revealed by X-ray and Neutron Reflection Measurements. <i>Macromolecules</i> , 2020, 53, 4082-4089.	2.2	7
23	Structure and Functions of Phenolic Resin. <i>Journal of the Adhesion Society of Japan</i> , 2018, 54, 451-458.	0.0	2
24	In Situ Neutron Reflectometry Analysis of Interfacial Structure Formation between Phenolic Resin and Silica during Curing. <i>Langmuir</i> , 2021, 37, 13867-13872.	1.6	2
25	In Situ Residual Stress Analysis in a Glass-Fiber-Reinforced Phenolic Resin and Copper Composite Material During Curing. <i>Journal of the Adhesion Society of Japan</i> , 2019, 55, 421-426.	0.0	1
26	XAFS and HAXPES analyses of the oxidation state of a copper surface buried under a phenolic resin nanofilm. <i>Applied Surface Science</i> , 2022, 589, 152967.	3.1	1
27	X-ray Scattering Analysis of the Structure of Phenolic Resin on a Silica Surface. <i>Seikei-Kakou</i> , 2017, 29, 159-164.	0.0	0
28	Structural Analysis of Cured Phenolic Resins using Complementary SANS and SAXS. <i>Hamon</i> , 2014, 24, 11-14.	0.0	0
29	Structural Analysis of Phenolic Resin Moldings Using SAXS and SANS. <i>Seikei-Kakou</i> , 2014, 26, 464-467.	0.0	0