

# Yasuyuki Nakamura

## List of Publications by Year in descending order

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46  
papers

2,440  
citations

257450

24  
h-index

233421

45  
g-index

50  
all docs

50  
docs citations

50  
times ranked

2406  
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of Telechelic Polymer Precursors on the Viscoelastic Properties of Vitrimers. <i>Macromolecular Chemistry and Physics</i> , 2022, 223, 2100433.	2.2	0
2	Machine-Learning-Based phase diagram construction for high-throughput batch experiments. <i>Science and Technology of Advanced Materials Methods</i> , 2022, 2, 153-161.	1.3	3
3	The Effect of Viscosity on the Coupling and Hydrogen-Abstraction Reaction between Transient and Persistent Radicals?. <i>Bulletin of the Chemical Society of Japan</i> , 2021, 94, 966-972.	3.2	1
4	Evidence for Polarity- and Viscosity-Controlled Pathways in the Termination Reaction in the Radical Polymerization of Acrylonitrile. <i>Macromolecules</i> , 2021, 54, 4497-4506.	4.8	1
5	Postprogrammable Network Topology with Broad Gradients of Mechanical Properties for Reliable Polymer Material Engineering. <i>Chemistry of Materials</i> , 2021, 33, 6876-6884.	6.7	4
6	Synthesis of thiophene-containing acyclic alkoxyamine for nitroxide-mediated radical polymerization of acrylates and styrene. <i>Polymer</i> , 2021, 230, 124062.	3.8	4
7	Mechanochromism of dynamic disulfide bonds as a chromophoric indicator of adhesion strength for epoxy adhesive. <i>Materials Advances</i> , 2021, 2, 5047-5051.	5.4	10
8	Progress in the Preparation of Functional and (Bio)Degradable Polymers via Living Polymerizations. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9581.	4.1	7
9	Strengthening epoxy adhesives at elevated temperatures based on dynamic disulfide bonds. <i>Materials Advances</i> , 2020, 1, 3182-3188.	5.4	20
10	The Effect of Viscosity on the Diffusion and Termination Reaction of Organic Radical Pairs. <i>Chemistry - A European Journal</i> , 2019, 25, 9846-9850.	3.3	15
11	Controlled Radical Polymerization of Ethylene Using Organotellurium Compounds. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 305-309.	13.8	39
12	Controlled Radical Polymerization of Ethylene Using Organotellurium Compounds. <i>Angewandte Chemie</i> , 2018, 130, 311-315.	2.0	13
13	Elucidation of the Mechanism and Synthetic Utilization of Termination Reaction of Radical Polymerization Based on Living Radical Polymerization. <i>Kobunshi Ronbunshu</i> , 2018, 75, 444-455.	0.2	1
14	Thermo-resettable cross-linked polymers for reusable/removable adhesives. <i>Polymer Chemistry</i> , 2018, 9, 5559-5565.	3.9	30
15	Control of the Termination Mechanism in Radical Polymerization by Viscosity: Selective Disproportionation in Viscous Media. <i>Chemistry - A European Journal</i> , 2017, 23, 1299-1305.	3.3	26
16	Termination Mechanism of the Radical Polymerization of Acrylates. <i>Macromolecular Rapid Communications</i> , 2016, 37, 506-513.	3.9	39
17	Synthesis of Multivalent Organotellurium Chain-Transfer Agents by Postmodification and Their Applications in Living Radical Polymerization. <i>Chemistry - A European Journal</i> , 2016, 22, 17006-17010.	3.3	10
18	Mechanism of Cu(I)/Cu(0)-Mediated Reductive Coupling Reactions of Bromine-Terminated Polyacrylates, Polymethacrylates, and Polystyrene. <i>ACS Macro Letters</i> , 2016, 5, 248-252.	4.8	30

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19	Organotellurium-Mediated Radical Polymerization under Photo Irradiation. ACS Symposium Series, 2015, , 295-309.	0.5	13
20	Termination Mechanism in the Radical Polymerization of Methyl Methacrylate and Styrene Determined by the Reaction of Structurally Well-Defined Polymer End Radicals. Macromolecules, 2015, 48, 6450-6456.	4.8	74
21	Modular Synthesis of Mid-Chain-Functionalized Polymers by Photoinduced Diene- and Styrene-Assisted Radical Coupling Reaction of Polymer-End Radicals. Macromolecules, 2014, 47, 582-588.	4.8	21
22	Expanding the Scope of Controlled Radical Polymerization via Cobalt-Tellurium Radical Exchange Reaction. ACS Macro Letters, 2014, 3, 114-118.	4.8	24
23	Controlled Polymerization of Protic Ionic Liquid Monomer by ARGET-ATRP and TERP. Macromolecular Rapid Communications, 2014, 35, 642-648.	3.9	16
24	Recent progress in the use of photoirradiation in living radical polymerization. Polymer, 2013, 54, 981-994.	3.8	165
25	Organotellurium-mediated living radical polymerization under photoirradiation by a low-intensity light-emitting diode. Beilstein Journal of Organic Chemistry, 2013, 9, 1607-1612.	2.2	35
26	Photoinduced Switching from Living Radical Polymerization to a Radical Coupling Reaction Mediated by Organotellurium Compounds. Journal of the American Chemical Society, 2012, 134, 5536-5539.	13.7	82
27	Quantitative Analysis of the Effect of Azo Initiators on the Structure of $\hat{I}\pm$ -Polymer Chain Ends in Degenerative Chain-Transfer-Mediated Living Radical Polymerization Reactions. Macromolecules, 2011, 44, 8388-8397.	4.8	42
28	Structural Factors Determining Photophysical Properties of Directly Linked Zinc(II) Porphyrin Dimers: Linking Position, Dihedral Angle, and Linkage Length. Journal of Physical Chemistry B, 2009, 113, 10619-10627.	2.6	39
29	Fluorescence Dynamics of Directly Meso-Meso Linked Porphyrin Rings Probed by Single Molecule Spectroscopy. Journal of the American Chemical Society, 2009, 131, 1488-1494.	13.7	24
30	Organotellurium-Mediated Controlled/Living Radical Polymerization Initiated by Direct C-Te Bond Photolysis. Journal of the American Chemical Society, 2009, 131, 2100-2101.	13.7	173
31	Bay-Area Selective Thermal [4+2] and [4+4] Cycloaddition Reactions of Triply Linked Zn <sup>II</sup> Diporphyrin with <i>o</i> -xylylene. Chemistry - A European Journal, 2008, 14, 204-211.	3.3	23
32	Two-Dimensionally Extended Porphyrin Tapes: Synthesis and Shape-Dependent Two-Photon Absorption Properties. Chemistry - A European Journal, 2008, 14, 8279-8289.	3.3	83
33	Synthesis and characterizations of free base and Cu(II) complex of a porphyrin sheet. Tetrahedron, 2008, 64, 11433-11439.	1.9	45
34	Regioselective [3+4] cycloaddition of an azomethine ylide to meso-meso, $\hat{I}^2$ , $\hat{I}^2$ triply linked diporphyrins. Tetrahedron Letters, 2008, 49, 3308-3311.	1.4	13
35	Intramolecular Energy Transfer within Butadiyne-Linked Chlorophyll and Porphyrin Dimer-Faced, Self-Assembled Prisms. Journal of the American Chemical Society, 2008, 130, 4277-4284.	13.7	119
36	Cyclic porphyrin arrays as artificial photosynthetic antenna: synthesis and excitation energy transfer. Chemical Society Reviews, 2007, 36, 831.	38.1	389

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37	Photophysics of <i>meso-meso</i> <sup>2</sup> Doubly Linked Ni(II) Porphyrin Arrays: Large Two-Photon Absorption Cross-Section and Fast Energy Relaxation Dynamics. <i>Journal of the American Chemical Society</i> , 2007, 129, 10080-10081.	13.7	90
38	Exploration of electronically interactive cyclic porphyrin arrays. <i>Journal of Organometallic Chemistry</i> , 2007, 692, 148-155.	1.8	29
39	Experimental and Theoretical Investigations into the Paratropic Ring Current of a Porphyrin Sheet. <i>Chemistry - an Asian Journal</i> , 2007, 2, 860-866.	3.3	32
40	A Directly Fused Tetrameric Porphyrin Sheet and Its Anomalous Electronic Properties That Arise from the Planar Cyclooctatetraene Core. <i>Journal of the American Chemical Society</i> , 2006, 128, 4119-4127.	13.7	226
41	Synthesis of Brominated Directly Fused Diporphyrins through Gold(III)-Mediated Oxidation. <i>Organic Letters</i> , 2006, 8, 4141-4144.	4.6	100
42	Directly <i>meso-meso</i> Linked Porphyrin Rings: Synthesis, Characterization, and Efficient Excitation Energy Hopping. <i>Journal of the American Chemical Society</i> , 2005, 127, 236-246.	13.7	159
43	1,4-Phenylene-bridged <i>meso-meso</i> linked diporphyrin array. <i>Tetrahedron Letters</i> , 2004, 45, 4981-4984.	1.4	7
44	Oxidative direct coupling of metalloporphyrins. <i>Journal of Porphyrins and Phthalocyanines</i> , 2003, 07, 264-269.	0.8	20
45	Metal-Dependent Regioselective Oxidative Coupling of 5,10,15-Triarylporphyrins with DDQ-Sc(OTf) <sub>3</sub> and Formation of an Oxo-quinoidal Porphyrin. <i>Organic Letters</i> , 2003, 5, 2079-2082.	4.6	70
46	Synthesis of <i>meso-meso</i> <sup>2</sup> doubly linked porphyrin tapes Electronic supplementary information (ESI) available: <sup>1</sup> H NMR spectra. See <a href="http://www.rsc.org/suppdata/cc/b3/b302032k/">http://www.rsc.org/suppdata/cc/b3/b302032k/</a> . <i>Chemical Communications</i> , 2003, , 1096-1097.	4.1	74