# 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 | Cyclic porphyrin arrays as artificial photosynthetic antenna: synthesis and excitation energy transfer. Chemical Society Reviews, 2007, 36, 831. | 38.1 | 389 |
| 2 | A Directly Fused Tetrameric Porphyrin Sheet and Its Anomalous Electronic Properties That Arise from the Planar Cyclooctatetraene Core. Journal of the American Chemical Society, 2006, 128, 4119-4127. | 13.7 | 226 |
| 3 | Organotellurium-Mediated Controlled/Living Radical Polymerization Initiated by Direct Câ^'Te Bond Photolysis. Journal of the American Chemical Society, 2009, 131, 2100-2101. | 13.7 | 173 |
| 4 | Recent progress in the use of photoirradiation in living radical polymerization. Polymer, 2013, 54, 981-994. | 3.8 | 165 |
| 5 | Directlymesoâ^'mesoLinked Porphyrin Rings:Â Synthesis, Characterization, and Efficient Excitation Energy Hopping. Journal of the American Chemical Society, 2005, 127, 236-246. | 13.7 | 159 |
| 6 | 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 |
| 7 | Synthesis of Brominated Directly Fused Diporphyrins through Gold(III)-Mediated Oxidation. Organic Letters, 2006, 8, 4141-4144. | 4.6 | 100 |
| 8 | Photophysics of meso-Î² Doubly Linked Ni(II) Porphyrin Arrays:â€‰ Large Two-Photon Absorption Cross-Section and Fast Energy Relaxation Dynamics. Journal of the American Chemical Society, 2007, 129, 10080-10081. | 13.7 | 90 |
| 9 | Twoâ€Dimensionally Extended Porphyrin Tapes: Synthesis and Shapeâ€Dependent Twoâ€Photon Absorption Properties. Chemistry - A European Journal, 2008, 14, 8279-8289. | 3.3 | 83 |
| 10 | 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 |
| 11 | Synthesis of meso-Î² doubly linked porphyrin tapesElectronic supplementary information (ESI) available: 1H NMR spectra. See http://www.rsc.org/suppdata/cc/b3/b302032k/. Chemical Communications, 2003, , 1096-1097. | 4.1 | 74 |
| 12 | 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 |
| 13 | Metal-Dependent Regioselective Oxidative Coupling of 5,10,15-Triarylporphyrins with DDQ-Sc(OTf)3and Formation of an Oxo-quinoidal Porphyrin. Organic Letters, 2003, 5, 2079-2082. | 4.6 | 70 |
| 14 | Synthesis and characterizations of free base and Cu(II) complex of a porphyrin sheet. Tetrahedron, 2008, 64, 11433-11439. | 1.9 | 45 |
| 15 | Quantitative Analysis of the Effect of Azo Initiators on the Structure of Î±-Polymer Chain Ends in Degenerative Chain-Transfer-Mediated Living Radical Polymerization Reactions. Macromolecules, 2011, 44, 8388-8397. | 4.8 | 42 |
| 16 | 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 |
| 17 | Termination Mechanism of the Radical Polymerization of Acrylates. Macromolecular Rapid Communications, 2016, 37, 506-513. | 3.9 | 39 |
| 18 | Controlled Radical Polymerization of Ethylene Using Organotellurium Compounds. Angewandte Chemie - International Edition, 2018, 57, 305-309. | 13.8 | 39 |

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|---|---|---|---|
| 19 | 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 |
| 20 | Experimental and Theoretical Investigations into the Paratropic Ring Current of a Porphyrin Sheet. Chemistry - an Asian Journal, 2007, 2, 860-866. | 3.3 | 32 |
| 21 | Mechanism of Cu(I)/Cu(0)-Mediated Reductive Coupling Reactions of Bromine-Terminated Polyacrylates, Polymethacrylates, and Polystyrene. ACS Macro Letters, 2016, 5, 248-252. | 4.8 | 30 |
| 22 | Thermo-resettable cross-linked polymers for reusable/removable adhesives. Polymer Chemistry, 2018, 9, 5559-5565. | 3.9 | 30 |
| 23 | Exploration of electronically interactive cyclic porphyrin arrays. Journal of Organometallic Chemistry, 2007, 692, 148-155. | 1.8 | 29 |
| 24 | Control of the Termination Mechanism in Radical Polymerization by Viscosity: Selective Disproportionation in Viscous Media. Chemistry - A European Journal, 2017, 23, 1299-1305. | 3.3 | 26 |
| 25 | Fluorescence Dynamics of Directly Mesoâ^'Meso Linked Porphyrin Rings Probed by Single Molecule Spectroscopy. Journal of the American Chemical Society, 2009, 131, 1488-1494. | 13.7 | 24 |
| 26 | Expanding the Scope of Controlled Radical Polymerization via Cobaltâ€"Tellurium Radical Exchange Reaction. ACS Macro Letters, 2014, 3, 114-118. | 4.8 | 24 |
| 27 | Bayâ€Area Selective Thermal [4+2] and [4+4] Cycloaddition Reactions of Triply Linked Zn<sup>II</sup> Diporphyrin with oâ€Xylylene. Chemistry - A European Journal, 2008, 14, 204-211. | 3.3 | 23 |
| 28 | 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 |
| 29 | Oxidative direct coupling of metalloporphyrins. Journal of Porphyrins and Phthalocyanines, 2003, 07, 264-269. | 0.8 | 20 |
| 30 | Strengthening epoxy adhesives at elevated temperatures based on dynamic disulfide bonds. Materials Advances, 2020, 1, 3182-3188. | 5.4 | 20 |
| 31 | Controlled Polymerization of Protic Ionic Liquid Monomer by ARGETâ€ATRP and TERP. Macromolecular Rapid Communications, 2014, 35, 642-648. | 3.9 | 16 |
| 32 | The Effect of Viscosity on the Diffusion and Termination Reaction of Organic Radical Pairs. Chemistry - A European Journal, 2019, 25, 9846-9850. | 3.3 | 15 |
| 33 | Regioselective [3+4] cycloaddition of an azomethine ylide to mesoâ€"meso, Î²â€"Î², Î²â€²â€"Î²â€² triply linked diporphyrins. Tetrahedron Letters, 2008, 49, 3308-3311. | 1.4 | 13 |
| 34 | Organotellurium-Mediated Radical Polymerization under Photo Irradiation. ACS Symposium Series, 2015, , 295-309. | 0.5 | 13 |
| 35 | Controlled Radical Polymerization of Ethylene Using Organotellurium Compounds. Angewandte Chemie, 2018, 130, 311-315. | 2.0 | 13 |
| 36 | Synthesis of Multivalent Organotellurium Chainâ€Transfer Agents by Postâ€modification and Their Applications in Living Radical Polymerization. Chemistry - A European Journal, 2016, 22, 17006-17010. | 3.3 | 10 |

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|---|---|---|---|
| 37 | Mechanochromism of dynamic disulfide bonds as a chromophoric indicator of adhesion strength for epoxy adhesive. Materials Advances, 2021, 2, 5047-5051. | 5.4 | 10 |
| 38 | 1,4-Phenylene-bridged mesoâ€“meso linked diporphyrin array. Tetrahedron Letters, 2004, 45, 4981-4984. | 1.4 | 7 |
| 39 | Progress in the Preparation of Functional and (Bio)Degradable Polymers via Living Polymerizations. International Journal of Molecular Sciences, 2020, 21, 9581. | 4.1 | 7 |
| 40 | Postprogrammable Network Topology with Broad Gradients of Mechanical Properties for Reliable Polymer Material Engineering. Chemistry of Materials, 2021, 33, 6876-6884. | 6.7 | 4 |
| 41 | Synthesis of thiophene-containing acyclic alkoxyamine for nitroxide-mediated radical polymerization of acrylates and styrene. Polymer, 2021, 230, 124062. | 3.8 | 4 |
| 42 | Machine-Learning-Based phase diagram construction for high-throughput batch experiments. Science and Technology of Advanced Materials Methods, 2022, 2, 153-161. | 1.3 | 3 |
| 43 | Elucidation of the Mechanism and Synthetic Utilization of Termination Reaction of Radical Polymerization Based on Living Radical Polymerization. Kobunshi Ronbunshu, 2018, 75, 444-455. | 0.2 | 1 |
| 44 | The Effect of Viscosity on the Coupling and Hydrogen-Abstraction Reaction between Transient and Persistent Radicals?. Bulletin of the Chemical Society of Japan, 2021, 94, 966-972. | 3.2 | 1 |
| 45 | Evidence for Polarity- and Viscosity-Controlled Pathways in the Termination Reaction in the Radical Polymerization of Acrylonitrile. Macromolecules, 2021, 54, 4497-4506. | 4.8 | 1 |
| 46 | Impact of Telechelic Polymer Precursors on the Viscoelastic Properties of Vitrimers. Macromolecular Chemistry and Physics, 2022, 223, 2100433. | 2.2 | 0 |