

# Tomoyuki Ohishi

## List of Publications by Year in descending order

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35  
papers

1,292  
citations

393982

19  
h-index

360668

35  
g-index

37  
all docs

37  
docs citations

37  
times ranked

1220  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of a coronene analogue containing an amide bond by Pd-mediated intramolecular C C bond formation of 2-halogenated 4-(alkylamino)benzoic acid cyclic trimer. <i>Tetrahedron Letters</i> , 2021, 62, 152704.	0.7	2
2	Structural reorganization and crack-healing properties of hydrogels based on dynamic diselenide linkages. <i>Science and Technology of Advanced Materials</i> , 2020, 21, 450-460.	2.8	8
3	Synthesis and characterization of cyclobutenedione- <i>b</i> ithiophene <i>l</i> -conjugated polymers: acetal-protecting strategy for Kumada- <i>T</i> amao- <i>C</i> orriu coupling polymerization between aryl bromide and Grignard reagents. <i>RSC Advances</i> , 2019, 9, 40863-40872.	1.7	2
4	Synthesis and structural analysis of conjugated benzoxazaborine derivatives. <i>Tetrahedron Letters</i> , 2018, 59, 4153-4157.	0.7	2
5	Enhancement of the stimuli-responsiveness and photo-stability of dynamic diselenide bonds and diselenide-containing polymers by neighboring aromatic groups. <i>Polymer</i> , 2018, 154, 281-290.	1.8	30
6	Restoration of Color Caused by Redox Reactions of Copper(I) Complexes Bearing 2,2'-Bipyridine and ( <i>R</i> )-(+)-2,2'-Bis(di- <i>p</i> -tolylphosphino)-1,1'-binaphthyl Ligands. <i>Bulletin of the Chemical Society of Japan</i> , 2017, 90, 798-800.	2.0	2
7	Redox Properties of Copper(I) Complex Bearing 4,7-Diphenyl-2,9-dimethyl-1,10-phenanthroline and 1,4-Bis(diphenylphosphino)butane Ligands and Effects of Light in the Presence of Chloroform. <i>Bulletin of the Chemical Society of Japan</i> , 2017, 90, 286-288.	2.0	17
8	Biobased Polymer Coating Using Catechol Derivative Urushiol. <i>Langmuir</i> , 2016, 32, 4619-4623.	1.6	45
9	Enhancing Mechanochemical Activation in the Bulk State by Designing Polymer Architectures. <i>ACS Macro Letters</i> , 2016, 5, 1124-1127.	2.3	92
10	Autonomously Substitutable Organosilane Thin Films Based on Dynamic Covalent Diarylbibenzofuranone Units. <i>Chemistry Letters</i> , 2016, 45, 36-38.	0.7	8
11	Repeatable mechanochemical activation of dynamic covalent bonds in thermoplastic elastomers. <i>Chemical Communications</i> , 2016, 52, 10482-10485.	2.2	76
12	Degradable epoxy resins prepared from diepoxide monomer with dynamic covalent disulfide linkage. <i>Polymer</i> , 2016, 82, 319-326.	1.8	130
13	Precise Synthesis of Poly(methyl methacrylate) Brush with Well-Controlled Stereoregularity Using a Surface-Initiated Living Anionic Polymerization Method. <i>Macromolecules</i> , 2016, 49, 2071-2076.	2.2	27
14	Radical crossover reactions of alkoxyamine-based dynamic covalent polymer brushes on nanoparticles and the effect on their dispersibility. <i>Polymer Journal</i> , 2016, 48, 147-155.	1.3	9
15	X-ray absorption fine structure study on the role of solvent on polymerization of 3-hexylthiophene with solid FeCl <sub>3</sub> particles. <i>Journal of Polymer Science Part A</i> , 2015, 53, 2075-2078.	2.5	11
16	Mechanophores with a Reversible Radical System and Freezing-Induced Mechanochemistry in Polymer Solutions and Gels. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 6168-6172.	7.2	202
17	Mechanochromic Dynamic Covalent Elastomers: Quantitative Stress Evaluation and Autonomous Recovery. <i>ACS Macro Letters</i> , 2015, 4, 1307-1311.	2.3	142
18	Metathesis-driven scrambling reactions between polybutadiene or naturally occurring polyisoprene and olefin-containing polyurethane. <i>Polymer</i> , 2015, 78, 145-153.	1.8	34

#	ARTICLE	IF	CITATIONS
19	PET (Poly(ethylene terephthalate)) and PTT (Poly(trimethylene terephthalate)). , 2014, , 1-5.		1
20	Precise characterization of outermost surface of crystalline diblock copolymer thin films using synchrotron radiation soft X-ray photoelectron spectroscopy. <i>Polymer Journal</i> , 2014, 46, 637-640.	1.3	11
21	Reversible cross-linking reactions of alkoxyamine-appended polymers under bulk conditions for transition between flow and rubber-like states. <i>Polymer</i> , 2014, 55, 1474-1480.	1.8	14
22	Synthesis of polyethylene/polyester copolymers through main chain exchange reactions via olefin metathesis. <i>Polymer</i> , 2014, 55, 6245-6251.	1.8	35
23	Network Reorganization of Dynamic Covalent Polymer Gels with Exchangeable Diarylbibenzofuranone at Ambient Temperature. <i>Journal of the American Chemical Society</i> , 2014, 136, 11839-11845.	6.6	90
24	Radical crossover reactions of a dynamic covalent polymer brush for reversible hydrophilicity control. <i>Polymer</i> , 2014, 55, 4586-4592.	1.8	12
25	Plasticizer-Promoted Thermal Crosslinking of a Dynamic Covalent Polymer with Complementarily Reactive Alkoxyamine Units in the Side Chain under Bulk Conditions. <i>Bulletin of the Chemical Society of Japan</i> , 2014, 87, 1023-1025.	2.0	6
26	Insertion Metathesis Depolymerization of Aromatic Disulfide-containing Dynamic Covalent Polymers under Weak Intensity Photoirradiation. <i>Chemistry Letters</i> , 2013, 42, 1346-1348.	0.7	34
27	Helix-sense-selective Polymerization of Substituted Acetylenes by Using an Isolated Rh Chiral Initiator with an Amino Acid Ligand. <i>Chemistry Letters</i> , 2013, 42, 430-432.	0.7	19
28	Dynamic covalent polymer brushes: reversible surface modification of reactive polymer brushes with alkoxyamine-based dynamic covalent bonds. <i>Polymer Chemistry</i> , 2012, 3, 3077.	1.9	31
29	Synthesis of linear and cyclic aromatic peptides with fixed conformation owing to intramolecular hydrogen bonding by condensation polymerization method. <i>Tetrahedron Letters</i> , 2011, 52, 7067-7070.	0.7	13
30	Aggregation, gelation instability, and morphologies of diblock copolymers consisting of poly( <i>p</i> -benzamide) and poly( <i>m</i> -benzamide). <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2010, 48, 1732-1739.	2.4	4
31	Three Mechanisms of Asymmetric Polymerization of Phenylacetylenes Having an $\alpha$ -Amino Ether Residue and Two Hydroxy Groups. <i>Macromolecules</i> , 2010, 43, 8353-8362.	2.2	37
32	Synthesis of Core Cross-Linked Star Polymers Consisting of Well-Defined Aromatic Polyamide Arms. <i>Macromolecules</i> , 2010, 43, 3206-3214.	2.2	19
33	Synthesis via Chain-Growth Condensation Polymerization and Gelating Properties of a Variety of Block Copolymers of Meta- and Para-Substituted Aromatic Polyamides. <i>Macromolecules</i> , 2008, 41, 9683-9691.	2.2	21
34	A variety of poly( <i>m</i> -benzamide)s with low polydispersities from inductive effect-assisted chain-growth polycondensation. <i>Journal of Polymer Science Part A</i> , 2006, 44, 4990-5003.	2.5	44
35	Novel Water-Soluble Poly( <i>m</i> -benzamide)s: Precision Synthesis and Thermosensitivity in Aqueous Solution. <i>Macromolecular Rapid Communications</i> , 2006, 27, 716-721.	2.0	29