## Yuushou Nakayama

# List of Publications by Year in Descending Order

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2,001 104 24 39 h-index g-index citations papers 4.78 2,159 105 3.7 L-index avg, IF ext. citations ext. papers

#	Paper	IF	Citations
104	Synthesis and properties of block copolymers composed of norbornene/higher Eblefin gradient segments using ansa-fluorenylamidodimethyltitanium-[Ph3C][B(C6F5)4] catalyst system. <i>Polymer Chemistry</i> , <b>2021</b> , 12, 189-195	4.9	5
103	Neutral, Noncoordinating, and Hydrocarbon-Soluble Protic Cocatalyst for Olefin Polymerization. <i>ACS Catalysis</i> , <b>2021</b> , 11, 865-870	13.1	3
102	Incorporation of Boronic Acid Functionality into Isotactic Polypropylene and Its Application as a Cross-Linking Point. <i>Macromolecules</i> , <b>2021</b> , 54, 1267-1272	5.5	2
101	Synthesis of thermoplastic elastomers with high biodegradability in seawater. <i>Polymer Degradation and Stability</i> , <b>2021</b> , 184, 109467	4.7	3
100	Synthesis, Properties, and Biodegradability of Thermoplastic Elastomers Made from 2-Methyl-1,3-propanediol, Glutaric Acid and Lactide. <i>Life</i> , <b>2021</b> , 11,	3	1
99	Synthesis and Properties of Gradient Copolymers Composed of Norbornene and Higher ⊞lefins Using an ansa-Fluorenylamidodimethyltitanium-[Ph3C][B(C6F5)4] Catalyst System. <i>Macromolecules</i> , <b>2020</b> , 53, 4323-4329	5.5	11
98	Synthesis, Properties, and Biodegradation of Sequential Poly(Ester Amide)s Containing EAminobutyric Acid. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	1
97	Coordination-Insertion Copolymerization of Norbornene and p-Substituted Styrenes Using Anilinonaphthoquinone-Ligated Nickel Complexes. <i>Macromolecular Chemistry and Physics</i> , <b>2020</b> , 221, 1900494	2.6	5
96	Synthesis of norbornene/divinylbenzene copolymers catalyzed by anilinonaphthoquinone-ligated nickel complexes and their applications for the synthesis of graft polymers. <i>Journal of Polymer Science</i> , <b>2020</b> , 58, 1564-1570	2.4	3
95	Copolymerization of norbornene and conjugated dienes using anilinonaphthoquinone-ligated nickel complexes. <i>Polymer</i> , <b>2020</b> , 187, 122094	3.9	6
94	Norbornadiene homopolymerization and norbornene/norbornadiene/1-octene terpolymerization by ansa-fluorenylamidotitanium-based catalysts. <i>Polymer Chemistry</i> , <b>2020</b> , 11, 6803-6810	4.9	5
93	Synthesis, properties and biodegradation of periodic copolyesters composed of hydroxy acids, ethylene glycol, and terephthalic acid. <i>Polymer Degradation and Stability</i> , <b>2020</b> , 174, 109095	4.7	7
92	Synthesis and properties of biodegradable thermoplastic elastomers using 2-Methyl-1,3-propanediol, succinic acid and lactide. <i>Polymer Degradation and Stability</i> , <b>2020</b> , 181, 10935	53 <sup>4.7</sup>	4
91	Effect of Ancillary Ligands as a Part of Counteranion in Neodymium-Catalyzed Isoprene Polymerization. <i>Organometallics</i> , <b>2020</b> , 39, 1855-1860	3.8	3
90	Cis-1,4 Specific Polymerization of 1,3-Butadiene Using PNP-pincer Ligated Iron(II) Complexes. <i>Chemistry Letters</i> , <b>2019</b> , 48, 525-528	1.7	1
89	Preparation of Methylaluminoxane from CO2 and Me3Al. <i>European Journal of Inorganic Chemistry</i> , <b>2019</b> , 2392-2395	2.3	5
88	Synthesis and Properties of Stereoblock Copolymers Composed of Lactide and Ecaprolactone. <i>Kobunshi Ronbunshu</i> , <b>2019</b> , 76, 61-67	O	

### (2016-2019)

87	Stereospecific polymerization of conjugated dienes using neodymium alkylborohydride complexes. <i>Dalton Transactions</i> , <b>2019</b> , 48, 7267-7273	4.3	5
86	Copolymerization of Norbornene and Styrene with Anilinonaphthoquinone-Ligated Nickel Complexes. <i>Polymers</i> , <b>2019</b> , 11,	4.5	11
85	Impregnation of poly(L-lactide-ran-Evalerolactone) with essential bark oil using supercritical carbon dioxide. <i>Scientific Reports</i> , <b>2019</b> , 9, 16326	4.9	3
84	Changes in the morphology of poly(l-lactide-ran-Evalerolactone) following supercritical carbon dioxide processing. <i>Polymer Crystallization</i> , <b>2019</b> , 2, e10070	0.9	
83	Selective synthesis of highly soluble cyclic olefin copolymers with pendant vinyl groups using 1,5-hexadiene as a comonomer. <i>Polymer</i> , <b>2018</b> , 136, 109-113	3.9	8
82	Chain-Walking Polymerization of Linear Internal Octenes Catalyzed by ⊞iimine Nickel Complexes. <i>Organometallics</i> , <b>2018</b> , 37, 1358-1367	3.8	20
81	Reversible star assembly of polyolefins using interconversion between boroxine and boronic acid. <i>Polymer Chemistry</i> , <b>2018</b> , 9, 3774-3779	4.9	12
80	Effect of Added Phenols and Silanol on the Cocatalyst Activity of Methylaluminoxane. <i>Kobunshi Ronbunshu</i> , <b>2018</b> , 75, 551-556	Ο	1
79	Synthesis of ansa-Fluorenylamidotitanium(tetrahydrofuran) Complex and Its Catalytic Ability for Polymerization of Olefins. <i>Kobunshi Ronbunshu</i> , <b>2018</b> , 75, 564-569	О	
78	Synthesis of highly thermostable norbornene-isoprene-1-octene terpolymer with titanium catalyst. <i>Journal of Polymer Science Part A</i> , <b>2017</b> , 55, 2136-2140	2.5	7
77	Living polymerization of higher 2-alkene with Ediimine nickel catalysts: Synthesis and characterization of high molecular weight poly(2-alkene)s. <i>Polymer</i> , <b>2017</b> , 127, 88-100	3.9	20
76	An Alternative Method for the Preparation of Trialkylaluminum-Depleted Modified Methylaluminoxane (dMMAO). <i>Macromolecules</i> , <b>2017</b> , 50, 5989-5993	5.5	22
75	Controlled ring-opening polymerization of l-lactide and Etaprolactone catalyzed by aluminum-based Lewis pairs or Lewis acid alone. <i>Journal of Polymer Science Part A</i> , <b>2017</b> , 55, 297-303	2.5	13
74	Synthesis of Stereodiblock Polybutadiene Using Cp*Nd(BH4)2(thf)2 as a Catalyst. <i>Catalysts</i> , <b>2017</b> , 7, 284	44	6
73	Synthesis and Biodegradation of Poly(l-lactide-co-Epropiolactone). <i>International Journal of Molecular Sciences</i> , <b>2017</b> , 18,	6.3	10
72	Effect of end-group modification of poly(lactide)s by cinnamoyl chloride on their thermal stability. <i>Polymer Degradation and Stability</i> , <b>2017</b> , 141, 97-103	4.7	7
71	The preparation of boron-containing aluminoxanes and their application as cocatalysts in the polymerization of olefins. <i>Polymer Journal</i> , <b>2016</b> , 48, 67-71	2.7	7
70	Enzymatic degradation of poly(l-lactide) treated with supercritical carbon dioxide. <i>Polymer Degradation and Stability</i> , <b>2016</b> , 134, 366-375	4.7	2

69	Structure-stereospecificity relationships of propylene polymerization using substituted ansa-silylene(fluorenyl)(amido) titanium complexes. <i>Journal of Organometallic Chemistry</i> , <b>2016</b> , 804, 95-100	2.3	7
68	Synthesis of stereodiblock polyisoprene consisting of cis-1,4 and trans-1,4 sequences by using a neodymium catalyst: change of the stereospecificity triggered by an aluminum compound. <i>Polymer Chemistry</i> , <b>2016</b> , 7, 1239-1243	4.9	24
67	Synthesis of Highly Branched Polyolefins Using Phenyl Substituted Diimine Ni(II) Catalysts. <i>Polymers</i> , <b>2016</b> , 8,	4.5	30
66	Effects of supercritical carbon dioxide treatment on the morphology of poly(l-lactide). <i>Journal of Applied Polymer Science</i> , <b>2016</b> , 133,	2.9	4
65	Precision Chain-Walking Polymerization of trans-4-Octene Catalyzed by Diimine Nickel(II) Catalysts Bearing ortho-sec-Phenethyl Groups. <i>Macromolecular Rapid Communications</i> , <b>2016</b> , 37, 1375-8	4.8	22
64	Theoretical investigation of the mechanism of syndiospecific propylene polymerization using ansa-dimethylsilylene(fluorenyl)(amido)titanium complexes. <i>Journal of Organometallic Chemistry</i> , <b>2016</b> , 823, 112-115	2.3	4
63	Highly soluble polynorbornene prepared by an anilinonaphthoquinone-ligated nickel complex via coordination-insertion polymerization. <i>Journal of Organometallic Chemistry</i> , <b>2015</b> , 798, 384-387	2.3	12
62	Synthesis of Aliphatic Polyesters via Ring-Opening Polymerization of Macrocyclic Oligoesters. <i>Macromolecular Symposia</i> , <b>2015</b> , 350, 7-13	0.8	2
61	Synthesis and application of Ediimine Ni(II) and Pd(II) complexes with bulky steric groups to polymerization of ethylene and methyl methacrylate. <i>Journal of Molecular Catalysis A</i> , <b>2015</b> , 398, 231-24	40	23
60	Synthesis of biodegradable thermoplastic elastomers from Etaprolactone and lactide. <i>Journal of Polymer Science Part A</i> , <b>2015</b> , 53, 489-495	2.5	33
59	Stereospecific Ring-Opening Metathesis Polymerization of Norbornene Catalyzed by Ruthenium and Osmium Complexes with Chelating Hetero-Donor Ligands. <i>Kobunshi Ronbunshu</i> , <b>2015</b> , 72, 460-467	О	1
58	Room-temperature SuzukiMiyaura cross-coupling reaction with Ediimine Pd(II) catalysts. <i>Applied Organometallic Chemistry</i> , <b>2015</b> , 29, 771-776	3.1	14
57	Synthesis of polystyrene-grafted cycloolefin copolymer. <i>Polymer</i> , <b>2015</b> , 70, 252-256	3.9	9
56	Pseudo-living copolymerization of norbornene and Balkenylborane Bynthesis of monodisperse functionalized cycloolefin copolymer. <i>Polymer</i> , <b>2015</b> , 56, 218-222	3.9	15
55	EthyleneBropylene copolymerization behavior of ansa-dimethylsilylene(fluorenyl)(amido)dimethyltitanium complex: Application to ethyleneBropyleneBorbornene terpolymers. <i>Journal of Polymer</i>	2.5	19
54	New nickel(II) diimine complexes bearing phenyl and sec-phenethyl groups: synthesis, characterization and ethylene polymerization behaviour. <i>Applied Organometallic Chemistry</i> , <b>2014</b> , 28, 477-483	3.1	16
53	Heterogenization of an Anilinonaphthoquinone-Chelated Nickel Complex for Ethylene Polymerization Using Silica-Supported Modified Methylaluminoxane. <i>Macromolecular Chemistry and Physics</i> , <b>2014</b> , 215, 1792-1796	2.6	12
52	Synthesis of a Multiblock Copolymer of cis-1,4-Polybutadiene and Poly(3-buten-1-ol).  Macromolecular Chemistry and Physics, <b>2014</b> , 215, 888-892	2.6	4

#### (2008-2014)

51	Synthesis of C1 symmetrical ansa-cyclopentadienylamidotitanium complexes and their application for living polymerization of propylene. <i>Journal of Organometallic Chemistry</i> , <b>2014</b> , 770, 136-141	2.3	5	
50	Synthesis and thermal, mechanical, and optical properties of ABA or AB block copolymers containing poly(norbornene-co-1-octene). <i>Journal of Polymer Science Part A</i> , <b>2014</b> , 52, 267-271	2.5	18	
49	Copolymerization of ethylene with 1,1-disubstituted olefins catalyzed by ansa-(fluorenyl)(cyclododecylamido)dimethyltitanium complexes. <i>Journal of Polymer Science Part A</i> , <b>2013</b> , 51, 1223-1229	2.5	19	
48	Synthesis of high-molecular weight block copolymers of norbornene and propylene with methyl methacrylate initiated by a fluorenylamido titanium complex. <i>Polymer Chemistry</i> , <b>2013</b> , 4, 3974	4.9	10	
47	Synthesis and properties of cationic ionomers from poly(ester-urethane)s based on polylactide. Journal of Polymer Science Part A, <b>2013</b> , 51, 4423-4428	2.5	16	
46	Copolymerization of norbornene with Ealkenylaluminum as a precursor comonomer for introduction of carbonyl moieties. <i>Journal of Polymer Science Part A</i> , <b>2013</b> , 51, 5085-5090	2.5	12	
45	Incorporation of L-lactide random copolymers with Japanese cypress oil (⊕inene) using supercritical carbon dioxide. <i>Green Chemistry</i> , <b>2012</b> , 14, 1211	10	12	
44	Highly trans-1,4-specific polymerization of 1,3-butadiene catalyzed by [2,6-bis{(4S)- (I-isopropyl-2-oxazolin-2-yl)pyridine] chromium complex activated with modified methylaluminoxane. <i>Polymer International</i> , <b>2011</b> , 60, 692-697	3.3	22	
43	Impregnation of poly(L-lactide-ran-cyclic carbonate) copolymers with useful compounds with supercritical carbon dioxide. <i>Journal of Applied Polymer Science</i> , <b>2011</b> , 121, 1431-1441	2.9	12	
42	High activity of rare earth tetrahydroborates for ring-opening polymerization of Epentadecalactone. <i>Journal of Applied Polymer Science</i> , <b>2011</b> , 121, 2098-2103	2.9	34	
41	Highly Active Living Random Copolymerization of Norbornene and 1-Alkene with ansa-Fluorenylamidodimethyltitanium Derivative: Substituent Effects on Fluorenyl Ligand. <i>Macromolecules</i> , <b>2010</b> , 43, 4527-4531	5.5	56	
40	Synthesis of stereoblock polypropylene by change of temperature in living polymerization. <i>Macromolecular Research</i> , <b>2010</b> , 18, 737-741	1.9	13	
39	Efficient Molecular Weight Control with Trialkylaluminum in Ethylene/Norbornene Copolymerization by [Ph2C(Flu)(3-MeCp)]ZrCl2/Methylaluminoxane Catalyst. <i>Macromolecular Chemistry and Physics</i> , <b>2010</b> , 211, 2132-2137	2.6	4	
38	Highly Active Syndiospecific Living Polymerization of Higher 1-Alkene with ansa-Fluorenylamidodimethyltitanium Complex. <i>Macromolecular Rapid Communications</i> , <b>2009</b> , 30, 181	2- <b>d</b> .8	18	
37	A Highly Active Catalyst Composed of ansa-Fluorenylamidodimethyltitanium Derivative for Propene Polymerization. <i>Topics in Catalysis</i> , <b>2009</b> , 52, 675-680	2.3	13	
36	Ring-opening polymerization of six-membered cyclic esters catalyzed by tetrahydroborate complexes of rare earth metals. <i>Polymer</i> , <b>2009</b> , 50, 4788-4793	3.9	40	
35	Synthesis of Regioblock Polybutadiene with CoCl2-Based Catalyst via Reversible Coordination of Lewis Base. <i>Macromolecules</i> , <b>2009</b> , 42, 7642-7643	5.5	33	
34	Facile Synthesis of Tailor-Made Stereoblock Polypropylenes via Successive Variation of Monomer Pressure. <i>Macromolecules</i> , <b>2008</b> , 41, 6596-6598	5.5	16	

33	Highly Active Copolymerization of Ethylene and Dicyclopentadiene with [(🗓-t-BuN)SiMe2(🗓-C29H36)]TiMe2(THF) Complex. <i>Chemistry Letters</i> , <b>2008</b> , 37, 590-591	1.7	15
32	Ring-opening metathesis polymerization of norbornene catalyzed by tantalum and niobium complexes with chelating O-donor ligands. <i>Polymer International</i> , <b>2008</b> , 57, 950-956	3.3	12
31	Synthesis, characterization, and thermal properties of ring-opening metathesis polynorbornenes and their hydrogenated derivatives bearing various ester and cyano groups. <i>Journal of Polymer Science Part A</i> , <b>2008</b> , 46, 3314-3325	2.5	28
30	Catalytic Synthesis of a Monodisperse Olefin Block Copolymer Using a Living Polymerization System. <i>Macromolecular Rapid Communications</i> , <b>2008</b> , 29, 525-529	4.8	12
29	Synthesis of poly(ester-urethane)s from hydroxytelechelic polylactide: Effect of initiators on their physical and degradation properties. <i>Polymer Degradation and Stability</i> , <b>2008</b> , 93, 117-124	4.7	11
28	Effect of Cocatalysts on the Catalytic Activities of Tantalum- and Niobium-Based Catalysts for Ring-Opening Metathesis Polymerization of Norbornene. <i>Macromolecular Rapid Communications</i> , <b>2007</b> , 28, 646-650	4.8	12
27	Cationic iron-catalyzed intramolecular hydroalkoxylation of unactivated olefins. <i>Tetrahedron Letters</i> , <b>2007</b> , 48, 3259-3261	2	65
26	Synthesis of anilinonaphthoquinone-based nickel complexes and their application for olefin polymerization. <i>Journal of Organometallic Chemistry</i> , <b>2007</b> , 692, 5183-5189	2.3	33
25	Living Ring-Opening Metathesis Polymerization of Exo-Norbornenes Bearing Both Cyano and Ester Functionalities by a Well-Defined Ruthenium Catalyst. <i>Polymer Journal</i> , <b>2007</b> , 39, 318-329	2.7	15
24	Synthesis of multiblock poly(l-lactide)-co-poly(Eaprolactone) from hydroxy-telechelic prepolymers prepared by using neodymium tetrahydroborate. <i>Reactive and Functional Polymers</i> , <b>2007</b> , 67, 798-806	4.6	42
23	Syntheses of group 4 transition metal complexes bearing 2-pyridinethiolate ligands and their catalytic activities for ethylene polymerization. <i>Polymer</i> , <b>2006</b> , 47, 5762-5774	3.9	9
22	Synthesis of Uniquely Branched Polyethylene by Anilinonaphthoquinone Ligated Nickel Complex Activated with Tris(pentafluorophenyl)borane. <i>Macromolecular Rapid Communications</i> , <b>2006</b> , 27, 1418-	1428	29
21	Living Random Copolymerization of Propylene and Norbornene with ansa-Fluorenylamidodimethyltitanium Complex: Synthesis of Novel Syndiotactic Polypropylene-b-poly(propylene-ran-norbornene). <i>Macromolecules</i> , <b>2006</b> , 39, 2031-2033	5.5	55
20	Comparative Reactivity of Exo- and Endo-Isomers in the Ru-Initiated Ring-Opening Metathesis Polymerization of Doubly Functionalized Norbornenes with Both Cyano and Ester Groups. <i>Macromolecules</i> , <b>2006</b> , 39, 7458-7460	5.5	46
19	Synthesis of crystallizable sydiotactic-atactic stereoblock polypropylene using a living polymerization system. <i>Kinetics and Catalysis</i> , <b>2006</b> , 47, 274-277	1.5	12
18	Comparison of Sm complexes with Sn compounds for syntheses of copolymers composed of lactide and cyclic carbonates and their biodegradabilities. <i>Reactive and Functional Polymers</i> , <b>2005</b> , 63, 95-105	4.6	29
17	Synthesis of pentavalent imidovanadium complexes and their catalyses for the polymerization of ethylene and propylene. <i>Journal of Applied Polymer Science</i> , <b>2005</b> , 97, 1008-1015	2.9	23
16	Characteristics of the biodegradability and physical properties of stereocomplexes between poly(L-lactide) and poly(D-lactide) copolymers. <i>Journal of Polymer Science Part A</i> , <b>2005</b> , 43, 438-454	2.5	23

#### LIST OF PUBLICATIONS

15	Unique catalytic behavior of chromium complexes having halogenated bis(imino)pyridine ligands for ethylene polymerization. <i>Journal of Polymer Science Part A</i> , <b>2005</b> , 43, 3368-3375	2.5	43
14	Developments of chiral metallocenes as polymerization catalysts. <i>Molecules</i> , <b>2005</b> , 10, 620-33	4.8	6
13	Comparison of Sm complexes with Sn compounds for syntheses of copolymers composed of lactide and Etaprolactone and their biodegradabilities. <i>Reactive and Functional Polymers</i> , <b>2004</b> , 61, 277-292	4.6	15
12	Developments of rare earth metal catalysts for olefin polymerization. <i>Journal of Organometallic Chemistry</i> , <b>2004</b> , 689, 4489-4498	2.3	95
11	Activity of samarocene catalysts adsorbed on mesoporous silicates for the polymerization of methyl methacrylate. <i>Polymer International</i> , <b>2004</b> , 53, 1682-1685	3.3	5
10	Bis(amido)titanium complexes having chelating diaryloxo ligands bridged by sulfur or methylene and their catalytic behaviors for ring-opening polymerization of cyclic esters. <i>Journal of Organometallic Chemistry</i> , <b>2004</b> , 689, 612-619	2.3	70
9	Controlled vinyl-addition-type polymerization of norbornene initiated by several cobalt complexes having substituted terpyridine ligands. <i>Journal of Organometallic Chemistry</i> , <b>2004</b> , 689, 744-750	2.3	45
8	Synthesis, structure, and olefin polymerization catalysis of a novel vanadium(III) 1,1?-bi-2-naphtholate complex. <i>Journal of Applied Polymer Science</i> , <b>2003</b> , 89, 1659-1662	2.9	4
7	Isospecific polymerizations of alkyl methacrylates with a bis(alkyl)Yb complex and formation of stereocomplexes with syndiotactic poly(alkyl methacrylate)s. <i>Tetrahedron</i> , <b>2003</b> , 59, 10409-10418	2.4	43
6	Syntheses of bis- and tetra(trimethylsilyl) substituted lanthanocene methyl complexes and their catalyses for polymerizations of methyl methacrylate, Etaprolactone and l-lactide. <i>Journal of Organometallic Chemistry</i> , <b>2003</b> , 667, 42-52	2.3	35
5	Facile Syntheses of Bis[1-(arylimino)ethyl]pyridineMoCl3/MMAO Catalytic Systems and Their Dual Catalytic Functions for ROMP of Norbornene and Linear Polymerization of Ethylene. <i>Macromolecules</i> , <b>2003</b> , 36, 7916-7922	5.5	21
4	Stereospecific Polymerizations of Conjugated Dienes by Single Site Iron Complexes Having Chelating N,N,N-Donor Ligands. <i>Macromolecules</i> , <b>2003</b> , 36, 7953-7958	5.5	120
3	Stereospecific Ring-Opening Metathesis Polymerization of Cycloolefins Using Novel Molybdenum and Tungsten Complexes Having Biphenolate Ligands. Development of Crystalline Hydrogenated Poly(endo-dicyclopentadiene) and Poly(norbornene). <i>Macromolecules</i> , <b>2003</b> , 36, 7422-7431	5.5	51
2	Homopolymerizations and random copolymerizations of olefins with amino-substituted cyclopentadienylchromium complexes. <i>Journal of Polymer Science Part A</i> , <b>2002</b> , 40, 2759-2771	2.5	21
1	Polymerizations of Cyclic Esters Catalyzed by Titanium Complexes Having Chalcogen-Bridged Chelating Diaryloxo Ligands. <i>Macromolecules</i> , <b>2002</b> , 35, 7538-7544	5.5	133