

Kotohiro Nomura

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

294 papers	8,633 citations	50 h-index	74 g-index
307 ext. papers	9,299 ext. citations	4.5 avg, IF	6.6 L-index

#	Paper	IF	Citations
294	Transesterification of Ethyl-10-undecenoate Using a Cu-Deposited VO Catalyst as a Model Reaction for Efficient Conversion of Plant Oils to Monomers and Fine Chemicals.. <i>ACS Omega</i> , 2022 , 7, 4372-4380	3.9	2
293	Solution XAS Analysis for Reactions of Phenoxide-Modified (Arylimido)vanadium(V) Dichloride and (Oxo)vanadium(V) Complexes with Al Alkyls: Effect of Al Cocatalyst in Ethylene (Co)polymerization. <i>Catalysts</i> , 2022 , 12, 198	4	0
292	Analysis of Ethylene Copolymers with Long-Chain α -Olefins (1-Dodecene, 1-Tetradecene, 1-Hexadecene): A Transition between Main Chain Crystallization and Side Chain Crystallization.. <i>ACS Omega</i> , 2022 , 7, 6900-6910	3.9	0
291	Star-Shaped ROMP Polymers Coated with Oligothiophenes That Exhibit Unique Emission.. <i>ACS Omega</i> , 2022 , 7, 13270-13279	3.9	
290	Theoretical Studies of Reaction Mechanisms for Half-Titanocene-Catalyzed Styrene Polymerization, Ethylene Polymerization, and Styrene/Ethylene Copolymerization: Roles of the Neutral Ti(III) and the Cationic Ti(IV) Species. <i>Organometallics</i> , 2021 , 40, 643-653	3.8	
289	Synthesis of Bio-Based Aliphatic Polyesters from Plant Oils by Efficient Molecular Catalysis: A Selected Survey from Recent Reports. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 5486-5505	8.3	14
288	Synchronization in Non-Mirror-Symmetrical Chirogenesis: Non-Helical π -Conjugated Polymers with Helical Polysilane Copolymers in Co-Colloids. <i>Symmetry</i> , 2021 , 13, 594	2.7	1
287	Ethylene Copolymerization with Limonene and β -Pinene: New Bio-Based Polyolefins Prepared by Coordination Polymerization. <i>Macromolecules</i> , 2021 , 54, 4693-4703	5.5	1
286	Vanadium(V) Arylimido Alkylidene N-Heterocyclic Carbene Alkyl and Perhalophenoxy Alkylidenes for the Cis, Syndiospecific Ring Opening Metathesis Polymerization of Norbornene. <i>Organometallics</i> , 2021 , 40, 2017-2022	3.8	4
285	Synthesis of Amorphous Ethylene Copolymers with 2-Vinylnaphthalene, 4-Vinylbiphenyl and 1-(4-Vinylphenyl)naphthalene. <i>Macromolecules</i> , 2021 , 54, 83-93	5.5	0
284	Effect of para-Substituents in Ethylene Copolymerizations with 1-Decene, 1-Dodecene, and with 2-Methyl-1-Pentene Using Phenoxide Modified Half-Titanocenes-MAO Catalyst Systems. <i>ChemistryOpen</i> , 2021 , 10, 867-876	2.3	1
283	Synthesis of Semicrystalline Long Chain Aliphatic Polyesters by ADMET Copolymerization of Dianhydro-D-glucityl bis(undec-10-enoate) with 1,9-Decadiene and Tandem Hydrogenation. <i>Catalysts</i> , 2021 , 11, 1098	4	1
282	Ring Opening Metathesis Polymerization (ROMP) of Norbornenes by (Arylimido)Niobium(V)Alkylidene Catalysts, Nb(CHSiMe ₃)(NAr)[OC(CF ₃) ₃](PMe ₃) ₂ . <i>Journal of the Japan Petroleum Institute</i> , 2021 , 64, 238-244	1	0
281	Recent Developments in Z-Selective Olefin Metathesis Reactions by Molybdenum, Tungsten, Ruthenium, and Vanadium Catalysts. <i>Advanced Synthesis and Catalysis</i> , 2021 , 363, 1970-1997	5.6	15
280	Light-Assisted Catalytic Hydrogenation of Carbon Dioxide at a Low Pressure by a Dinuclear Iridium Polyhydride Complex. <i>Organometallics</i> , 2021 , 40, 98-101	3.8	1
279	Solution XANES and EXAFS analysis of active species of titanium, vanadium complex catalysts in ethylene polymerisation/dimerisation and syndiospecific styrene polymerisation. <i>Dalton Transactions</i> , 2020 , 49, 8008-8028	4.3	12
278	(Arylimido)niobium(V)Alkylidenes, Nb(CHSiMe ₃)(NAr)[OC(CF ₃) ₃](PMe ₃) ₂ , That Enable to Proceed Living Metathesis Polymerization of Internal Alkynes. <i>Macromolecules</i> , 2020 , 53, 5266-5279	5.5	2

277	CuPd Dinuclear Complexes with Earth-Abundant Cu Photosensitizer: Synthesis and Photopolymerization. <i>Organometallics</i> , 2020 , 39, 2464-2469	3.8	6
276	On-demand hydrogen production from formic acid by light-active dinuclear iridium catalysts. <i>Chemical Communications</i> , 2020 , 56, 4519-4522	5.8	8
275	cis-Specific ring opening metathesis polymerisation (ROMP) of cyclic olefins using (pentafluorophenylimido)vanadium(V)-alkylidene, V(CHSiMe ₃)(NC ₆ F ₅)[OC(CF ₃) ₃](PMe ₃) ₂ . <i>Catalysis Science and Technology</i> , 2020 , 10, 5840-5846	5.5	4
274	Observation of Intramolecular Interaction in Fluorescent Star-Shaped Polymers: Evidence for Energy Hopping between Branch Chains. <i>Journal of Physical Chemistry B</i> , 2020 , 124, 11510-11518	3.4	
273	Time-dependent DFT study of the K-edge spectra of vanadium and titanium complexes: effects of chloride ligands on pre-edge features. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 674-682	3.6	9
272	Synthesis and Structural Analysis of Four Coordinate (Arylimido)niobium(V) Dimethyl Complexes Containing Phenoxide Ligand: MAO-Free Ethylene Polymerization by the Cationic Nb(V)Methyl Complex. <i>Organometallics</i> , 2020 , 39, 3742-3758	3.8	1
271	Synthesis of Biobased Long-Chain Polyesters by Acyclic Diene Metathesis Polymerization and Tandem Hydrogenation and Depolymerization with Ethylene. <i>ACS Omega</i> , 2020 , 5, 18301-18312	3.9	10
270	Norbornene-Functionalized Plant Oils for Biobased Thermoset Films and Binders of Silicon-Graphite Composite Electrodes. <i>ACS Omega</i> , 2020 , 5, 29678-29687	3.9	1
269	Phenoxide-Modified Half-Titanocenes Supported on Star-Shaped ROMP Polymers as Catalyst Precursors for Ethylene Copolymerization. <i>Organometallics</i> , 2020 , 39, 2998-3009	3.8	3
268	The Effect of SiMe and SiEt Para Substituents for High Activity and Introduction of a Hydroxy Group in Ethylene Copolymerization Catalyzed by Phenoxide-Modified Half-Titanocenes. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 23072-23076	16.4	5
267	The synthesis of cyclic olefin copolymers (COCs) by ethylene copolymerisations with cyclooctene, cycloheptene, and with tricyclo[6.2.1.0(2,7)]undeca-4-ene: the effects of cyclic monomer structures on thermal properties. <i>Polymer Chemistry</i> , 2020 , 11, 5590-5600	4.9	5
266	The Effect of SiMe ₃ and SiEt ₃ Para Substituents for High Activity and Introduction of a Hydroxy Group in Ethylene Copolymerization Catalyzed by Phenoxide-Modified Half-Titanocenes. <i>Angewandte Chemie</i> , 2020 , 132, 23272-23276	3.6	1
265	Synthesis and Photocatalytic Activities of Dinuclear Iridium Polyhydride Complexes Bearing BINAP Ligands. <i>Organometallics</i> , 2019 , 38, 2408-2411	3.8	1
264	Synthesis of Ultrahigh Molecular Weight Polymers with Low PDIs by Polymerizations of 1-Decene, 1-Dodecene, and 1-Tetradecene by Cp*TiMe(O-2,6-PrCH) ₂ Borate Catalyst. <i>Molecules</i> , 2019 , 24,	4.8	5
263	Synthesis of new polyesters by acyclic diene metathesis polymerization of bio-based dienes prepared from eugenol and castor oil (undecenoate).. <i>RSC Advances</i> , 2019 , 9, 10245-10252	3.7	19
262	Reactions of (Arylimido)vanadium(V)-Trialkyl Complexes with Phenols: Effects of Arylimido Ligands and Phenols for Formation of the Vanadium Phenoxides. <i>ACS Omega</i> , 2019 , 4, 5818-5828	3.9	4
261	(Arylimido)niobium(V) Complexes Containing 2-Pyridylmethylanilido Ligand as Catalyst Precursors for Ethylene Dimerization That Proceeds via Cationic Nb(V) Species. <i>Organometallics</i> , 2019 , 38, 1544-1559	3.8	6
260	Light-driven catalytic hydrogenation of carbon dioxide at low-pressure by a trinuclear iridium polyhydride complex. <i>Chemical Communications</i> , 2019 , 55, 5087-5090	5.8	6

259	Interaction between the end groups and the main chain of conjugated polymers by time-resolved EPR and fluorescence spectroscopy. <i>Molecular Physics</i> , 2019 , 117, 2664-2672	1.7	1
258	Synthesis of Half-Titanocenes Containing Anionic N-Heterocyclic Carbenes That Contain a Weakly Coordinating Borate Moiety, Cp*TiX ₂ (WCA-NHC), and Their Use as Catalysts for Ethylene (Co)polymerization. <i>Organometallics</i> , 2019 , 38, 3233-3244	3.8	20
257	Effect of supported MAO cocatalysts in ethylene polymerization and ethylene/1-hexene copolymerization using Cp*TiCl ₂ (O-2,6-Pr ₂ C ₆ H ₃) catalyst. <i>Molecular Catalysis</i> , 2019 , 475, 110490	3.3	1
256	(Arylimido)vanadium(V)-Alkylidene Complexes as Catalysts for Ring-opening Metathesis Polymerization (ROMP) of Cyclic Olefins: Ligand Design for Exhibiting the High Activity. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2019 , 37, 943-950	3.5	3
255	Well-Defined End-Functionalized Conjugated Polymers/Oligomers Exhibiting Unique Emission Properties through the End Groups: The Exclusive Synthesis by Combined Olefin Metathesis with Wittig-type Coupling. <i>Macromolecular Materials and Engineering</i> , 2019 , 304, 1900307	3.9	3
254	XAS Analysis of Reactions of (Arylimido)vanadium(V) Dichloride Complexes Containing Anionic NHC That Contains a Weakly Coordinating B(CF ₃) ₂ Moiety (WCA-NHC) or Phenoxide Ligands with Al Alkyls: A Potential Ethylene Polymerization Catalyst with WCA-NHC Ligands. <i>ACS Omega</i> , 2019 , 4, 18833-18845	3.9	21
253	Solution XAS Analysis for Exploring Active Species in Syndiospecific Styrene Polymerization and 1-Hexene Polymerization Using Half-Titanocene/MAO Catalysts: Significant Changes in the Oxidation State in the Presence of Styrene. <i>Organometallics</i> , 2019 , 38, 4497-4507	3.8	11
252	Direct observation of catalytically active species in reaction solution by X-ray absorption spectroscopy (XAS). <i>Japanese Journal of Applied Physics</i> , 2019 , 58, 100502	1.4	4
251	Synthesis of Ultrahigh Molecular Weight Polymers Containing Reactive Functionality with Low PDIs by Polymerizations of Long-Chain Olefins in the Presence of Their Nonconjugated Dienes by Cp*TiMe(O-2,6-PrCH)-Borate Catalyst. <i>Polymers</i> , 2019 , 12,	4.5	3
250	Dialkylaluminum 2-substituted 6,6-dimethylcyclopentylpyridin-7-oxylates toward structural-differentiation of the ring-opening polymerization of ϵ -caprolactone and L-lactides. <i>Dalton Transactions</i> , 2019 , 48, 4157-4167	4.3	9
249	Solution X-Ray Absorption Spectroscopy (XAS) for Analysis of Catalytically Active Species in Reactions with Ethylene by Homogeneous (Imido)vanadium(V) Complexes/Al Cocatalyst Systems. <i>Catalysts</i> , 2019 , 9, 1016	4	13
248	Ethylene Copolymerization with 4-Methylcyclohexene or 1-Methylcyclopentene by Half-Titanocene Catalysts: Effect of Ligands and Microstructural Analysis of the Copolymers. <i>Macromolecules</i> , 2018 , 51, 853-863	5.5	12
247	Olefin metathesis polymerization: Some recent developments in the precise polymerizations for synthesis of advanced materials (by ROMP, ADMET). <i>Tetrahedron</i> , 2018 , 74, 619-643	2.4	84
246	Noticeable Chiral Center Dependence of Signs and Magnitudes in Circular Dichroism (CD) and Circularly Polarized Luminescence (CPL) Spectra of all-trans-Poly(9,9-dialkylfluorene-2,7-vinylene)s Bearing Chiral Alkyl Side Chains in Solution, Aggregates, and Thin Films. <i>Macromolecules</i> , 2018 , 51, 2377-2387	5.5	25
245	Facile, Efficient Synthesis of Star-Shaped Conjugated Systems by Combined Olefin Metathesis with Wittig-type Coupling. <i>Journal of the Chinese Chemical Society</i> , 2018 , 65, 317-324	1.5	1
244	Solution XAS Analysis for Exploring the Active Species in Homogeneous Vanadium Complex Catalysis. <i>Journal of the Physical Society of Japan</i> , 2018 , 87, 061014	1.5	13
243	Olefin Polymerization by Vanadium Complex Catalysts 2018 , 313-337		9
242	Terthiophene Functionalized Conjugated Triarm Polymers Containing Poly(fluorene-2,7-vinylene) Arms Having Different Cores-Synthesis and Their Unique Optical Properties. <i>ACS Omega</i> , 2018 , 3, 5052-5063	3.9	5

241	One-pot synthesis of end-functionalised soluble star-shaped polymers by living ring-opening metathesis polymerisation using a molybdenum-alkylidene catalyst.. <i>RSC Advances</i> , 2018 , 8, 27703-27708	3.7	8
240	Synthesis of di- and trinuclear iridium polyhydride complexes surrounded by light-absorbing ligands. <i>Dalton Transactions</i> , 2018 , 47, 12046-12050	4.3	6
239	Synthesis of (Arylimido)niobium(V) Complexes Containing Ketimide, Phenoxide Ligands, and Some Reactions with Phenols and Alcohols. <i>ACS Omega</i> , 2018 , 3, 6166-6181	3.9	5
238	Synthesis of Soluble Star-Shaped Polymers via In and Out Approach by Ring-Opening Metathesis Polymerization (ROMP) of Norbornene: Factors Affecting the Synthesis. <i>Catalysts</i> , 2018 , 8, 670	4	6
237	Solution XAS Analysis of Various (Imido)vanadium(V) Dichloride Complexes Containing Monodentate Anionic Ancillary Donor Ligands: Effect of Aluminium Cocatalyst in Ethylene/Norbornene (Co)polymerization. <i>Journal of the Japan Petroleum Institute</i> , 2018 , 61, 282-287	1	9
236	Facile in situ generation of highly active (arylimido)vanadium(v)-alkylidene catalysts for the ring-opening metathesis polymerization (ROMP) of cyclic olefins by immediate phenoxy ligand exchange. <i>Chemical Communications</i> , 2018 , 54, 13559-13562	5.8	12
235	Efficient Conversion of Renewable Unsaturated Fatty Acid Methyl Esters by Cross-Metathesis with Eugenol. <i>ACS Omega</i> , 2018 , 3, 11041-11049	3.9	10
234	(Imido)Vanadium Complex Catalysts for Efficient Ring-Opening Metathesis Polymerization of Cyclic Olefins. <i>Kobunshi Ronbunshu</i> , 2018 , 75, 543-550	0	2
233	(Arylimido)Vanadium(V)-Alkylidenes Containing Chlorinated Phenoxy Ligands: Thermally Robust, Highly Active Catalyst in Ring-Opening Metathesis Polymerization of Cyclic Olefins. <i>Organometallics</i> , 2018 , 37, 2064-2074	3.8	24
232	Synthesis of (Adamantylimido)vanadium(V) Dimethyl Complex Containing (2-Anilidomethyl)pyridine Ligand and Selected Reactions: Exploring the Oxidation State of the Catalytically Active Species in Ethylene Dimerization. <i>Organometallics</i> , 2017 , 36, 530-542	3.8	26
231	Synthesis of Mono-, Di-, and Trinuclear Rhodium Diphosphine Complexes Containing Light-Harvesting Fluorene Backbones. <i>Inorganic Chemistry</i> , 2017 , 56, 1027-1030	5.1	10
230	Effects of End-Groups on Photophysical Properties of Poly(9,9-di-n-octylfluorene-2,7-vinylene)s Linked with Metalloporphyrins: Synthesis and Time-Resolved Fluorescence Spectroscopy. <i>Macromolecules</i> , 2017 , 50, 1803-1814	5.5	19
229	Ring opening metathesis polymerization of norbornene and tetracyclododecene with cyclooctene by using (arylimido)vanadium(V)alkylidene catalyst. <i>Journal of Polymer Science Part A</i> , 2017 , 55, 3067-3074	2.5	12
228	Synthesis of Poly(arylene vinylene)s with Different End Groups by Combining Acyclic Diene Metathesis Polymerization with Wittig-type Couplings. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 5288-5293	16.4	17
227	Synthesis of Poly(arylene vinylene)s with Different End Groups by Combining Acyclic Diene Metathesis Polymerization with Wittig-type Couplings. <i>Angewandte Chemie</i> , 2017 , 129, 5372-5377	3.6	
226	Cis-Specific Chain Transfer Ring-Opening Metathesis Polymerization Using a Vanadium(V) Alkylidene Catalyst for Efficient Synthesis of End-Functionalized Polymers. <i>Organometallics</i> , 2017 , 36, 4103-4106	3.8	25
225	Synthesis and Reaction Chemistry of Alkylidene Complexes With Titanium, Zirconium, Vanadium, and Niobium: Effective Catalysts for Olefin Metathesis Polymerization and Other Organic Transformations. <i>Advances in Organometallic Chemistry</i> , 2017 , 68, 93-136	3.8	17
224	Effect of Al Cocatalyst in Ethylene and Ethylene/Norbornene (Co)polymerization by (Imido)vanadium Dichloride Complexes Containing Anionic N-Heterocyclic Carbenes Having Weakly Coordinating Borate Moiety. <i>Journal of the Japan Petroleum Institute</i> , 2017 , 60, 256-262	1	28

223	Synthesis and structural analysis of aryloxo-modified trinuclear half-titanocenes, and their use as catalyst precursors for ethylene polymerisation. <i>RSC Advances</i> , 2017 , 7, 41345-41358	3.7	7
222	Effects of terthiophene as the end-groups in triblock copolymers consisting of poly(fluorene vinylene) and oligo(phenylene vinylene): Time-resolved fluorescence and its anisotropy. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017 , 349, 18-24	4.7	6
221	Synthesis and Structural Analysis of Palladium(II) Complexes Containing Neutral or Anionic -Symmetric Bis(oxazoline) Ligands: Effects of Substituents in the 5-Position. <i>ACS Omega</i> , 2017 , 2, 3886-3900	3.8	6
220	Innenrücktitelbild: Synthesis of Poly(arylene vinylene)s with Different End Groups by Combining Acyclic Diene Metathesis Polymerization with Wittig-type Couplings (Angew. Chem. 19/2017). <i>Angewandte Chemie</i> , 2017 , 129, 5455-5455	3.6	
219	Vanadium NMR Chemical Shifts of (Imido)vanadium(V) Dichloride Complexes with Imidazolin-2-iminato and Imidazolidin-2-iminato Ligands: Cooperation with Quantum-Chemical Calculations and Multiple Linear Regression Analyses. <i>Journal of Physical Chemistry A</i> , 2017 , 121, 9099-9105	2.8	3
218	Synthesis and structural analysis of niobium(V) complexes containing amine triphenolate ligands of the type, [NbCl(X)(O-2,4-R ₂ C ₆ H ₂ -6-CH ₂) ₃ N] (R = Me, Bu; X = Cl, CF ₃ SO ₃), and their use in catalysis for ethylene polymerization. <i>Polyhedron</i> , 2017 , 125, 9-17	2.7	6
217	Synthesis and Structural Analysis of (Imido)vanadium Dichloride Complexes Containing 2-(2'-Benz-imidazolyl)pyridine Ligands: Effect of Al Cocatalyst for Efficient Ethylene (Co)polymerization. <i>ACS Omega</i> , 2017 , 2, 8660-8673	3.9	21
216	Synthesis of vanadium-alkylidene complexes and their use as catalysts for ring opening metathesis polymerization. <i>Dalton Transactions</i> , 2016 , 46, 12-24	4.3	49
215	Synthesis of (Imido)niobium(V) Alkylidene Complexes That Exhibit High Catalytic Activities for Metathesis Polymerization of Cyclic Olefins and Internal Alkynes. <i>Organometallics</i> , 2016 , 35, 2773-2777	3.8	19
214	Ring-Opening Metathesis Polymerization of Cyclic Olefins by (Arylimido)vanadium(V)-Alkylidenes: Highly Active, Thermally Robust Cis Specific Polymerization. <i>Journal of the American Chemical Society</i> , 2016 , 138, 11840-9	16.4	48
213	Cross metathesis of methyl oleate (MO) with terminal, internal olefins by ruthenium catalysts: factors affecting the efficient MO conversion and the selectivity. <i>RSC Advances</i> , 2016 , 6, 100925-100930	3.7	6
212	Synthesis and Structural Analysis of Zr/Al Heterobimetallic Complexes, [ZrX{[(O-2,4-tBu ₂ C ₆ H ₂ -6-CH ₂) ₃ (O-2,4-tBu ₂ -C ₆ H ₂ -6-CH ₂)]N}][R ₂ Al(η-OiPr)] [X = Cl, Et, iBu; R = Me, Et, iBu]. Unique Reactivity of the iBu Complex. <i>Organometallics</i> , 2016 , 35, 866-874	3.8	7
211	Synthesis of ultrahigh molecular weight polymers by homopolymerisation of higher olefins catalysed by aryloxo-modified half-titanocenes. <i>RSC Advances</i> , 2016 , 6, 16203-16207	3.7	6
210	Catalytic One-Pot Synthesis of End-Functionalized Poly(9,9'-di-n-octylfluorenevinylene)s by Acyclic Diene Metathesis (ADMET) Polymerization Using Ruthenium Carbene Catalysts. <i>Macromolecules</i> , 2016 , 49, 518-526	5.5	19
209	Copolymerizations of Norbornene and Tetracyclododecene with Olefins by Half-Titanocene Catalysts: Efficient Synthesis of Highly Transparent, Thermal Resistance Polymers. <i>Macromolecules</i> , 2016 , 49, 59-70	5.5	34
208	Design of Efficient Molecular Catalysts for Synthesis of Cyclic Olefin Copolymers (COC) by Copolymerization of Ethylene and Olefins with Norbornene or Tetracyclododecene. <i>Catalysts</i> , 2016 , 6, 175	4	26
207	One-pot Synthesis of End-functionalized Conjugated Polymers by Combined Acyclic Diene Metathesis (ADMET) Polymerization Using Molybdenum Catalyst with Wittig-type Coupling. <i>Journal of the Japan Petroleum Institute</i> , 2016 , 59, 197-203	1	9
206	Efficient introduction of aromatic vinyl group by incorporation of divinylbiphenyl, p-divinylbenzene in syndiospecific styrene polymerization using aryloxo-modified half-titanocene catalysts. <i>Journal of Polymer Science Part A</i> , 2016 , 54, 1902-1907	2.5	2

205	Efficient synthesis of cyclic olefin copolymers with high glass transition temperatures by ethylene copolymerization with tetracyclododecene using (tert-BuC ₅ H ₄)TiCl ₂ (N=CtBu ₂)MAO catalyst. <i>Journal of Polymer Science Part A</i> , 2016 , 54, 2662-2667	2.5	5
204	Efficient Norbornene (NBE) Incorporation in Ethylene/NBE Copolymerization by Half-Titanocene Catalysts Containing Chlorinated Aryloxo Ligands. <i>Organometallics</i> , 2016 , 35, 1895-1905	3.8	13
203	Synthesis of (Imido)Vanadium(V) Dichloride Complexes Containing Anionic N-Heterocyclic Carbenes That Contain a Weakly Coordinating Borate Moiety: New MAO-Free Ethylene Polymerization Catalysts. <i>Organometallics</i> , 2016 , 35, 1778-1784	3.8	43
202	Synthesis of Titanium Complexes Containing an Amine Triphenolate Ligand of the Type [TiX{(O-2,4-R ₂ C ₆ H ₂)-6-CH ₂ }) ₃ N] and the TiAl Heterobimetallic Complexes with AlMe ₃ : Effect of a Terminal Donor Ligand in Ethylene Polymerization. <i>Organometallics</i> , 2015 , 34, 3272-3281	3.8	11
201	(Arylimido)vanadium(V)-alkylidene complexes containing fluorinated aryloxo and alkoxo ligands for fast living ring-opening metathesis polymerization (ROMP) and highly cis-specific ROMP. <i>Journal of the American Chemical Society</i> , 2015 , 137, 4662-5	16.4	54
200	Precise one-pot synthesis of fully conjugated end-functionalized star polymers containing poly(fluorene-2,7-vinylene) (PFV) arms. <i>Polymer Chemistry</i> , 2015 , 6, 380-388	4.9	20
199	Synthesis and structural analysis of half-titanocenes containing 1,3-imidazolidin-2-iminato ligands: Effect of ligand substituents in ethylene (co)polymerization. <i>Journal of Organometallic Chemistry</i> , 2015 , 798, 375-383	2.3	10
198	Synthesis of Well-Defined Oligo(2,5-dialkoxy-1,4-phenylene vinylene)s with Chiral End Groups: Unique Helical Aggregations Induced by the Chiral Chain Ends. <i>Chemistry - A European Journal</i> , 2015 , 21, 16764-8	4.8	8
197	Acyclic Diene Metathesis (ADMET) Polymerization for Precise Synthesis of Defect-Free Conjugated Polymers with Well-Defined Chain Ends. <i>Catalysts</i> , 2015 , 5, 500-517	4	21
196	Synthesis and structural analysis of tungsten-carbonyl dimers bridged with oligo(2,5-dialkoxy-1,4-phenylene vinylene)s through pyridine coordination. <i>Dalton Transactions</i> , 2015 , 44, 16728-36	4.3	6
195	Time-Resolved Fluorescence Spectra in the End-Functionalized Conjugated Triblock Copolymers Consisting of Poly(fluorene vinylene) and Oligo(phenylene vinylene): Proposal of Dynamical Distortion in the Excited State. <i>Macromolecules</i> , 2015 , 48, 6233-6240	5.5	16
194	Synthesis of half-titanocenes containing 1,3-imidazolidin-2-iminato ligands of type, Cp*TiCl ₂ [1,3-R ₂ (CH ₂ N) ₂ CN]: highly active catalyst precursors in ethylene (co)polymerisation. <i>RSC Advances</i> , 2015 , 5, 64503-64513	3.7	12
193	Ethylene polymerisation and ethylene/norbornene copolymerisation by using aryloxo-modified vanadium(V) complexes containing 2,6-difluoro-, dichloro-phenylimido complexes. <i>Dalton Transactions</i> , 2015 , 44, 12273-81	4.3	29
192	Synthesis of (Imido)vanadium(V) Complexes Containing 8-(2,6-Dimethylanilide)-5,6,7-trihydroquinoline Ligands: Highly Active Catalyst Precursors for Ethylene Dimerization. <i>Organometallics</i> , 2014 , 33, 1053-1060	3.8	25
191	Synthesis of (Adamantylimido)vanadium(V)-Alkyl, Alkylidene Complex Trapped with PMe ₃ : Reactions of the Alkylidene Complexes with Phenols. <i>Organometallics</i> , 2014 , 33, 6585-6592	3.8	24
190	Synthesis of (Imido)vanadium(V) Alkyl and Alkylidene Complexes Containing Imidazolidin-2-iminato Ligands: Effect of Imido Ligand on ROMP and 1,2-C-H Bond Activation of Benzene. <i>Organometallics</i> , 2014 , 33, 6682-6691	3.8	27
189	Vanadyl Di(5- <i>t</i> -butyl-2-(aryliminomethyl)quinolin-8-olate): Synthesis, Characterization, and Ethylene (Co-)Polymerization. <i>Macromolecular Chemistry and Physics</i> , 2014 , 215, 1744-1752	2.6	15
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80	Efficient Incorporation of Vinylcyclohexane in Ethylene/Vinylcyclohexane Copolymerization Catalyzed by Nonbridged Half-Titanocenes. <i>Macromolecules</i> , 2005 , 38, 8121-8123	5.5	50

79	Copolymerization of ethylene with cyclohexene (CHE) catalyzed by nonbridged half-titanocenes containing aryloxo ligand: notable effect of both cyclopentadienyl and anionic donor ligand for efficient CHE incorporation. <i>Journal of the American Chemical Society</i> , 2005 , 127, 4582-3	16.4	102
78	A Stable Vanadium(V)-Methyl Complex Containing Arylimido and Bis(ketimide) Ligands That Exhibits Unique Reactivity with Alcohol. <i>Organometallics</i> , 2005 , 24, 3621-3623	3.8	48
77	Remarkable Effects of Aluminum Cocatalyst and Comonomer in Ethylene Copolymerizations Catalyzed by (Arylimido)(aryloxo)vanadium Complexes: Efficient Synthesis of High Molecular Weight Ethylene/Norbornene Copolymer. <i>Macromolecules</i> , 2005 , 38, 5905-5913	5.5	120
76	A Vanadium(V) Alkylidene Complex Exhibiting Remarkable Catalytic Activity for Ring-Opening Metathesis Polymerization (ROMP). <i>Organometallics</i> , 2005 , 24, 2248-2250	3.8	99
75	Living copolymerization of ethylene with styrene catalyzed by (cyclopentadienyl)(ketimide)titanium(IV) complex-MAO catalyst system. <i>Journal of the American Chemical Society</i> , 2005 , 127, 9364-5	16.4	93
74	Efficient Incorporation of 2-Methyl-1-pentene in Copolymerization of Ethylene with 2-Methyl-1-pentene Catalyzed by Nonbridged Half-Titanocenes. <i>Macromolecules</i> , 2005 , 38, 2053-2055	5.5	61
73	Precise Synthesis of Amphiphilic Polymeric Architectures by Grafting Poly(ethylene glycol) to End-Functionalized Block ROMP Copolymers. <i>Macromolecules</i> , 2005 , 38, 1075-1083	5.5	61
72	Effect of Cyclopentadienyl Fragment in Copolymerization of Ethylene with Cyclic Olefins Catalyzed by Non-Bridged (Aryloxo)(cyclopentadienyl)titanium(IV) Complexes. <i>Advanced Synthesis and Catalysis</i> , 2005 , 347, 433-446	5.6	64
71	Acyclic diene metathesis polymerization of 2,5-dialkyl-1,4-divinylbenzene with molybdenum or ruthenium catalysts: Factors affecting the precise synthesis of defect-free, high-molecular-weight trans-poly(p-phenylene vinylene)s. <i>Journal of Polymer Science Part A</i> , 2005 , 43, 6166-6177	2.5	39
70	Effect of Cyclopentadienyl and Anionic Ancillary Ligand in Syndiospecific Styrene Polymerization Catalyzed by Nonbridged Half-Titanocenes Containing Aryloxo, Amide, and Anilide Ligands: Cocatalyst Systems. <i>Macromolecules</i> , 2004 , 37, 5520-5530	5.5	51
69	Efficient living polymerization of 1-hexene by Cp*TiMe ₂ (O-2,6-iPr ₂ C ₆ H ₃)-borate catalyst systems at low temperature. <i>Journal of Molecular Catalysis A</i> , 2004 , 209, 9-17		30
68	Synthesis of homopolymers and multiblock copolymers by the living ring-opening metathesis polymerization of norbornenes containing acetyl-protected carbohydrates with well-defined ruthenium and molybdenum initiators. <i>Journal of Polymer Science Part A</i> , 2004 , 42, 4248-4265	2.5	33
67	Living Ring-Opening Metathesis Polymerization of Norbornenes Containing Acetyl-Protected Carbohydrates Using Well-Defined Molybdenum and Ruthenium Initiators. <i>Macromolecular Rapid Communications</i> , 2004 , 25, 571-576	4.8	14
66	Ethylene Polymerization Catalyzed by Titanium(IV) Complexes of a Triaryloxoamine Ligand [TiX{(OArCH ₂) ₃ N}]. <i>Macromolecular Rapid Communications</i> , 2004 , 25, 504-507	4.8	34
65	Olefin polymerization by (cyclopentadienyl)(ketimide)titanium(IV) complexes of the type, Cp*TiCl ₂ (N?CtBu ₂)-methylaluminoxane (MAO) catalyst systems. <i>Journal of Molecular Catalysis A</i> , 2004 , 220, 133-144		89
64	Polymerization of 1,5-Hexadiene by the Nonbridged Half-Titanocene Complex-MAO Catalyst System: Remarkable Difference in the Selectivity of Repeated 1,2-Insertion. <i>Macromolecules</i> , 2004 , 37, 1693-1695	5.5	39
63	Effects of cyclopentadienyl fragment in ethylene, 1-hexene, and styrene polymerizations catalyzed by half-titanocenes containing ketimide ligand of the type, Cp*TiCl ₂ (N?CtBu ₂). <i>Catalysis Communications</i> , 2004 , 5, 413-417	3.2	39
62	18 Effect of cyclopentadienyl fragment in polymerization of ethylene, propylene, and styrene by nonbridged half-metalloxe type titanium and zirconium complexes of the type, Cp*MCl ₂ [N(2,6-Me ₂ C ₆ H ₃)(SiMe ₃)], -MAO catalyst systems. <i>Studies in Surface Science and Catalysis</i> , 2003 , 121-124	1.8	1

61	A study concerning the effect of organoboron compounds in 1-hexene polymerization catalyzed by Cp*TiMe ₂ (O-2,6-iPr ₂ C ₆ H ₃). Structural analysis for Cp*TiMe ₂ (O-2,6-iPr ₂ C ₆ H ₃) and Cp*TiMe(CF ₃ SO ₃)(O-2,6-iPr ₂ C ₆ H ₃). <i>Inorganica Chimica Acta</i> , 2003 , 345, 37-43	2.7	26
60	Some reactions of Cp*TiMe ₂ (OAr) and Cp*TiMe(CF ₃ SO ₃)(OAr) with 5-hexen-1-ol and 3-buten-1-ol, structural analysis for Cp*Ti(CF ₃ SO ₃)[OCH ₂ (CH ₂) ₃ CH ₂](OAr) (OAr=O-2,6-iPr ₂ C ₆ H ₃). <i>Inorganic Chemistry Communication</i> , 2003 , 6, 517-522	3.1	6
59	Efficient Ethylene/Norbornene Copolymerization by (Aryloxo)(indenyl)titanium(IV) Complexes/MAO Catalyst System. <i>Macromolecules</i> , 2003 , 36, 3797-3799	5.5	102
58	Effect of Cyclopentadienyl and Amide Fragment in Olefin Polymerization by Nonbridged (Amide)(cyclopentadienyl)titanium(IV) Complexes of the Type Cp*TiCl ₂ [N(R) ¹ R ²]/Methylaluminoxane (MAO) Catalyst Systems. <i>Macromolecules</i> , 2003 , 36, 2633-2641	5.5	61
57	Effect of aryloxo ligand for ethylene polymerization by (arylimido)(aryloxo)vanadium(V) complexes/MAO catalyst systems: attempt for polymerization of styrene. <i>Catalysis Communications</i> , 2003 , 4, 159-164	3.2	39
56	Syndiospecific styrene polymerization by (tert-BuC ₅ H ₄)TiCl ₂ (O-2,6-iPr ₂ C ₆ H ₃) /borate catalyst system. <i>Catalysis Communications</i> , 2003 , 4, 269-274	3.2	18
55	Ruthenium catalyzed hydrogenation of methyl phenylacetate under low hydrogen pressure. <i>Journal of Molecular Catalysis A</i> , 2002 , 178, 105-114		46
54	Hydrogenation of PhCH ₂ CHO catalyzed by ruthenium complex containing β-polymer-attached ligand prepared by living ring-opening metathesis polymerization. <i>Journal of Molecular Catalysis A</i> , 2002 , 185, 311-316		13
53	Effect of ligand in ethylene/styrene copolymerization by [Me ₂ Si(C ₅ Me ₄)(NR)]TiCl ₂ (R = tert-Bu, cyclohexyl) and (1,3-Me ₂ C ₅ H ₃)TiCl ₂ (O-2,6-iPr ₂ C ₆ H ₃)-MAO catalyst system. <i>Journal of Molecular Catalysis A</i> , 2002 , 190, 225-234		30
52	Olefin Polymerization and Ring-Opening Metathesis Polymerization of Norbornene by (Arylimido)(aryloxo)vanadium(V) Complexes of the Type VX ₂ (NAr)(OAr) Remarkable Effect of Aluminum Cocatalyst for the Coordination and Insertion and Ring-Opening Metathesis Polymerization. <i>Macromolecules</i> , 2002 , 35, 1583-1590	5.5	111
51	Ethylene/Styrene Copolymerization by Various (Cyclopentadienyl)(aryloxy)titanium(IV) Complexes/MAO Catalyst Systems. <i>Macromolecules</i> , 2002 , 35, 5388-5395	5.5	115
50	Synthesis of Nonbridged (Anilide)(cyclopentadienyl)titanium(IV) Complexes of the Type Cp*TiCl ₂ [N(2,6-Me ₂ C ₆ H ₃)(R)] and Their Use in Catalysis for Olefin Polymerization. <i>Organometallics</i> , 2002 , 21, 3042-3049	3.8	48
49	Ethylene Polymerization and Ring-Opening Metathesis Polymerization of Norbornene Catalyzed by (Arylimido)(aryloxy)vanadium(V) Complexes of the Type, V(Nar)(Oar?)X ₂ (X = Cl, CH ₂ Ph). <i>Chemistry Letters</i> , 2001 , 30, 36-37	1.7	36
48	Direct synthesis of 2-phenylethanol by hydrogenation of methyl phenylacetate using homogeneous ruthenium-phosphine catalysis under low hydrogen pressure. <i>Journal of Molecular Catalysis A</i> , 2001 , 166, 345-349		36
47	Ethylene/Olefin copolymerization by various nonbridged (cyclopentadienyl)(aryloxy)titanium(IV) complexes /MAO catalyst system. <i>Journal of Molecular Catalysis A</i> , 2001 , 174, 127-140		89
46	Synthesis of high molecular weight trans-poly(9,9-di-n-octylfluorene-2,7-vinylene) by the acyclic diene metathesis polymerization using molybdenum catalysts. <i>Journal of Polymer Science Part A</i> , 2001 , 39, 2463-2470	2.5	60
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44	Ethylene Polymerization Catalyzed by Ruthenium and Iron Complexes Containing 2,6-Bis(2-oxazolin-2-yl)pyridine (Pybox) Ligand-Cocatalyst System. <i>Bulletin of the Chemical Society of Japan</i> , 2000 , 73, 599-605	5.1	39

43	Olefin polymerization and copolymerization with soluble transition-metal complex catalysts. <i>Journal of Polymer Science Part A</i> , 2000 , 38, 4613-4626	2.5	23
42	Copolymerization of ethylene with α -olefin catalyzed by [1,8-C ₁₀ H ₆ (NSi ^t BuMe ₂) ₂] TiCl_2 and [ArN(CH ₂) ₃ NAr] TiCl_2 (Ar=2,6-iPr ₂ C ₆ H ₃) TiCl_2 /MAO catalyst systems. <i>Polymer</i> , 2000 , 41, 2755-2764	3.9	20
41	Polymerization of 1-hexene, 1-octene catalyzed by Cp [*] TiCl_2 (O-2,6-iPr ₂ C ₆ H ₃) TiCl_2 /MAO system. Unexpected increase of the catalytic activity for ethylene/1-hexene copolymerization by (1,3-tBu ₂ C ₅ H ₃) TiCl_2 (O-2,6-iPr ₂ C ₆ H ₃) TiCl_2 /MAO catalyst system. <i>Journal of Molecular Catalysis A</i> , 2000 , 152, 219-252		46
40	Ligand effect in olefin polymerization catalyzed by (cyclopentadienyl)(aryloxy) titanium(IV) complexes, Cp [*] TiCl_2 (OAr) TiCl_2 /MAO system.: Ethylene/1-hexene copolymerization by (1,3-tBu ₂ C ₅ H ₃) TiCl_2 (O-2,6-iPr ₂ C ₆ H ₃) TiCl_2 /MAO catalyst system. <i>Journal of Molecular Catalysis A</i> , 2000 , 159, 127-137		41
39	Effect of cocatalyst in 1-hexene polymerization by Cp [*] TiMe ₂ (O-2,6-iPr ₂ C ₆ H ₃) complex. <i>Journal of Molecular Catalysis A</i> , 2000 , 164, 131-135		15
38	Syndiospecific Styrene Polymerization and Efficient Ethylene/Styrene Copolymerization Catalyzed by (Cyclopentadienyl)(aryloxy)titanium(IV) Complexes TiCl_2 /MAO System. <i>Macromolecules</i> , 2000 , 33, 8122-8124	5.5	109
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36	Late Transition Metal Complex Catalysts for Olefin Polymerization.. Yuki Gosei Kagaku Kyokaiishi/ <i>Journal of Synthetic Organic Chemistry</i> , 2000 , 58, 293-305	0.2	2
35	Fluorinated alcohol modified nickel α -phosphine catalyst system for efficient dimerization of propylene. <i>Journal of Molecular Catalysis A</i> , 1999 , 137, 1-14		4
34	Olefin Polymerization by the (Pybox)RuX ₂ (ethylene) TiCl_2 /MAO Catalyst System. <i>Macromolecules</i> , 1999 , 32, 4732-4734	5.5	42
33	Synthesis of Titanium(IV) Complexes that Contain the Bis(silylamide) Ligand of the Type [1,8-C ₁₀ H ₆ (NR) ₂] ₂ - (R=SiMe ₃ , Si ^t BuMe ₂ , Si ⁱ Pr ₃), and Olefin Polymerization Catalyzed by the [1,8-C ₁₀ H ₆ (NR) ₂] TiX_2 (X=Cl, Br)- cocatalyst System. <i>Studies in Surface Science and Catalysis</i> , 1999 , 121, 469-472	1.8	1
32	Transition metal catalyzed chemospecific reduction of aromatic nitro compounds, and hydrocarbonylation of chlorobenzenes under CO/H ₂ O conditions. <i>Catalysis Surveys From Asia</i> , 1998 , 2, 59-69		9
31	Ethylene Homopolymerization and Ethylene/1-Butene Copolymerization Catalyzed by a [1,8-C ₁₀ H ₆ (NR) ₂] TiCl_2 TiCl_2 /MAO catalyst System. <i>Macromolecules</i> , 1998 , 31, 8009-8015	5.5	42
30	Transition metal catalyzed hydrogenation or reduction in water. <i>Journal of Molecular Catalysis A</i> , 1998 , 130, 1-28		105
29	Synthesis of titanium(IV) complexes that contain the Bis(silylamide) ligand of the type [1,8-C ₁₀ H ₆ (NR) ₂] ₂ and alkene polymerization catalyzed by [1,8-C ₁₀ H ₆ (NR) ₂] TiCl_2 -cocatalyst system. <i>Journal of Molecular Catalysis A</i> , 1998 , 130, L209-L213		17
28	Olefin Polymerization by (Cyclopentadienyl)(aryloxy)titanium(IV) Complexes TiCl_2 /MAO Catalyst Systems. <i>Macromolecules</i> , 1998 , 31, 7588-7597	5.5	182
27	Synthesis of Various Nonbridged Titanium(IV) Cyclopentadienyl Aryloxy Complexes of the Type CpTi(OAr)X ₂ and Their Use in the Catalysis of Alkene Polymerization. Important Roles of Substituents on both Aryloxy and Cyclopentadienyl Groups. <i>Organometallics</i> , 1998 , 17, 2152-2154	3.8	192
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25	A practical convenient homogeneous palladium-phosphine catalysis for hydrocarbonylation of chlorobenzenes. <i>Journal of Molecular Catalysis A</i> , 1997 , 120, L9-L11		22
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23	Preparation of Sugar-Coated Homopolymers and Multiblock ROMP Copolymers. <i>Macromolecules</i> , 1996 , 29, 540-545	5.5	93
22	Synthesis of Vanadium(III), -(IV), and -(V) Complexes That Contain the Pentafluorophenyl-Substituted Triamidoamine Ligand [(C ₆ F ₅ NCH ₂ CH ₂) ₃ N] ³⁻ . <i>Inorganic Chemistry</i> , 1996 , 35, 3695-3701	5.1	46
21	Efficient selective reduction of aromatic nitro compounds by ruthenium catalysis under CO/H ₂ O conditions. <i>Journal of Molecular Catalysis A</i> , 1995 , 95, 203-210		45
20	Photocatalytic dehydrogenation of methanol using [IrH(SnCl ₃) ₅] ³⁻ complex. <i>Journal of Molecular Catalysis</i> , 1994 , 89, 143-149		21
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18	Novel selective catalytic reduction of aromatic nitro compounds affording amines using ruthenium carbonyl complex in the presence of NEt ₃ under CO/H ₂ O conditions. <i>Journal of Molecular Catalysis</i> , 1992 , 73, L1-L4		19
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13	Novel reduction of aromatic nitro compounds affording amines using CO and water catalysed by phosphine-added Rh(CO) ₂ (acac) complexes. <i>Journal of Molecular Catalysis</i> , 1991 , 66, L19-L21		16
12	Selective head-to-tail dimer formation from acrylonitrile catalyzed by phosphine-added nickel(O) complexes. <i>Journal of Molecular Catalysis</i> , 1991 , 68, L5-L7		5
11	Facile selective reduction of aromatic nitro compounds affording amines using Rh ₄ (CO) ₁₂₋₉ , 10-diaminophenanthrene catalyst system under CO/H ₂ O conditions: The effect of 9,10-diaminophenanthrene. <i>Journal of Molecular Catalysis</i> , 1991 , 66, L1-L3		17
10	Selective catalytic reduction of aromatic nitro compounds using CO and water with highly active rhodium-phosphine chelate complexes. <i>Journal of Molecular Catalysis</i> , 1991 , 65, L5-L7		16
9	Cobalt-catalyzed aminocarbonylation of geminal dihaloalkanes. Formation of 2-aminoamide and malonamide derivatives. <i>Tetrahedron Letters</i> , 1991 , 32, 781-784	2	7
8	Photocatalytic dehydrogenation of 2-propanol with carbonyl(halogeno)phosphine-rhodium complexes. <i>Journal of Molecular Catalysis</i> , 1989 , 52, 99-111		16

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5	$\text{Co}_2(\text{CH}_2=\text{C}=\text{O})(\text{CO})_7$ as an Active Intermediate for Cobalt-catalyzed Alkoxy carbonylation of CH_2Br_2 . <i>Chemistry Letters</i> , 1989 , 18, 1983-1986	1.7	10
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2	Copolymerization of Ethylene with Styrene: Design of Efficient Transition Metal Complex Catalysts	60-91	
1	Synthesis of ethylene- β -bornene- β -octene terpolymers with high 1-octene contents, molar masses, and tunable T_g values, in high yields using half-titanocene catalysts. <i>Polymer Chemistry</i> ,	4.9	2