Evgueni Kirillov

List of Publications by Year
in descending order

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Version: 2024-02-01

49	1,301	304743 22	361022 35
papers	citations	h-index	g-index

51	51	51	1004
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Highly Syndiospecific Polymerization of Styrene Catalyzed by Allyl Lanthanide Complexes. Journal of the American Chemical Society, 2004, 126, 12240-12241.	13.7	143
2	Group 3 and 4 single-site catalysts for stereospecific polymerization of styrene. Coordination Chemistry Reviews, 2008, 252, 2115-2136.	18.8	100
3	Allylansa-Lanthanidocenes: Single-Component, Single-Site Catalysts for Controlled Syndiospecific Styrene and Styreneâ€“Ethylene (Co)Polymerization. Chemistry - A European Journal, 2007, 13, 5548-5565.	3.3	77
4	Dinuclear vs. mononuclear complexes: accelerated, metal-dependent ring-opening polymerization of lactide. Chemical Communications, 2013, 49, 11692.	4.1	74
5	Are Solvent and Dispersion Effects Crucial in Olefin Polymerization DFT Calculations? Some Insights from Propylene Coordination and Insertion Reactions with Group 3 and 4 Metallocenes. ACS Catalysis, 2015, 5, 416-425.	11.2	61
6	Groups 2 and 3 metal complexes incorporating fluorenyl ligands. Coordination Chemistry Reviews, 2005, 249, 1221-1248.	18.8	54
7	Stereocontrolled styreneâ€“isoprene copolymerization and styreneâ€“ethyleneâ€“isoprene terpolymerization with a single-component allyl ansa-neodymocene catalyst. Polymer, 2008, 49, 2039-2045.	3.8	47
8	On the Initiation Mechanism of Syndiospecific Styrene Polymerization Catalyzed by Singleâ€Component ansaâ€Lanthanidocenes. Chemistry - A European Journal, 2009, 15, 3773-3783.	3.3	42
9	Quantification of active sites in single-site group 4 metal olefin polymerization catalysis. Coordination Chemistry Reviews, 2019, 386, 50-68.	18.8	41
10	Scandium versus yttrium{amino-alkoxy-bis(phenolate)} complexes for the stereoselective ring-opening polymerization of racemic lactide and Î²-butyrolactone. Dalton Transactions, 2014, 43, 14322-14333.	3.3	40
11	Discrete Ionic Complexes of Highly Isoselective Zirconocenes. Solution Dynamics, Trimethylaluminum Adducts, and Implications in Propylene Polymerization. Organometallics, 2016, 35, 258-276.	2.3	37
12	Heterobiâ€•and â€trimetallic Ion Pairs of Zirconoceneâ€Based Isoselective Olefin Polymerization Catalysts with AlMe₃. Angewandte Chemie - International Edition, 2015, 54, 6343-6346.	13.8	36
13	Group 4 Post-metallocene Complexes Incorporating Tridentate Silyl-Substituted Bis(naphthoxy)pyridine and Bis(naphthoxy)thiophene Ligands: Probing Systems for â€œOscillatingâ€•Olefin Polymerization Catalysis. Organometallics, 2009, 28, 5036-5051.	2.3	35
14	[(Cpâ^'CMe2â^'Flu)2Ln]-[Li(ether)n]+(Ln = Y, La):Â Complexes with Unusual Coordination Modes of the Fluorenyl Ligand and the First Examples of Bis-Ansa Lanthanidocenes. Organometallics, 2003, 22, 4038-4046.	2.3	34
15	DFT Investigation of the Tacticity Control during Styrene Polymerization Catalyzed by Single-Component Allyl ansa-Lanthanidocenes		

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19	Binary ansa-lanthanidocenes/dialkylmagnesium systems versus single-component catalyst: Controlled synthesis of end-capped syndiotactic oligostyrenes. Journal of Molecular Catalysis A, 2007, 273, 87-91.	4.8	26
20	Ethylene oligomerization promoted by chromium complexes bearing pyrrolideâ€“imineâ€“amine/ether tridentate ligands. Dalton Transactions, 2015, 44, 16073-16080.	3.3	24
21	Stereoselective Copolymerization of Styrene with Terpenes Catalyzed by an Ansa-Lanthanidocene Catalyst: Access to New Syndiotactic Polystyrene-Based Materials. Catalysts, 2017, 7, 361.	3.5	24
22	Reduction of CO₂ by Hydrosilanes in the Presence of Formamidinates of Group 13 and 12 Elements. Organometallics, 2020, 39, 698-710.	2.3	24
23	Ni(<scp>ii</scp>) complexes bearing pyrrolide-imine ligands with pendant N-, O- and S-donor groups: synthesis, structural characterization and use in ethylene oligomerization. RSC Advances, 2015, 5, 91524-91531.	3.6	21
24	Substitution Effects in Highly Syndioselective Styrene Polymerization Catalysts Based on Single-Component Allyl ansa-Lanthanidocenes: An Experimental and Theoretical Study. Macromolecules, 2017, 50, 6539-6551.	4.8	21
25	Neutral and Cationic Alkyl and Amido Group 3 Metal Complexes of Amidine-Amidopyridinate Ligands: Synthesis, Structure, and Polymerization Catalytic Activity. European Journal of Inorganic Chemistry, 2014, 2014, 4168-4178.	2.0	17
26	Engineering of Syndiotactic and Isotactic Polystyrene-Based Copolymers via Stereoselective Catalytic Polymerization. Molecules, 2017, 22, 594.	3.8	16
27	Zirconocene-Catalyzed Polymerization of Î±-Olefins: When Intrinsic Higher Activity Is Flawed by Rapid Deactivation. Organometallics, 2019, 38, 2664-2673.	2.3	16
28	Long-Chain Branched Polyethylene via Coordinative Tandem Insertion and Chain-Transfer Polymerization Using rac-{EBTHI}ZrCl₂/MAO/Alâ€“alkenyl Combinations: An Experimental and Theoretical Study. Macromolecules, 2020, 53, 8847-8857.	4.8	15
29	Tandem C(sp²)â€“OMe Activation/C(sp²)â€“C(sp²) Coupling in Early Transition-Metal Complexes: Aromatic Câ€“O Activation beyond Late Transition Metals. Journal of the American Chemical Society, 2016, 138, 4350-4353.	13.7	14
30	Ansa-metallocene andÂhalf-sandwich complexes ofÂgroup-3Âmetals andÂlanthanides incorporating fluorenyl-based ligands: from synthesis toÂcatalytic applications. Comptes Rendus Chimie, 2006, 9, 1151-1157.	0.5	11
31	Scandium and yttrium complexes of an hybrid phenoxy-amidopyridinate ligand. Use in ROP of racemic lactide. Journal of Organometallic Chemistry, 2016, 823, 34-39.	1.8	11
32	Experimental and Computational Investigations on Highly Syndioselective Styreneâ€“Ethylene Copolymerization Catalyzed by Allyl ansa-Lanthanidocenes. Macromolecules, 2017, 50, 9577-9588.	4.8	11
33	A Theoretical Outlook on the Stereoselectivity Origins of Isoselective Zirconocene Propylene Polymerization Catalysts. Chemistry - A European Journal, 2018, 24, 10784-10792.	3.3	11
34	Synthesis and structural characterization of zirconium complexes supported by tridentate pyrrolide-imino ligands with pendant N-, O- and S-donor groups and their application in ethylene polymerization. New Journal of Chemistry, 2018, 42, 1477-1483.	2.8	10
35	Rare-Earth Metal Complexes Supported by Polydentate Phenoxy-Type Ligand Platforms: Câ€“H Activation Reactivity and CO2/Epoxide Copolymerization Catalysis. Inorganic Chemistry, 2020, 59, 16976-16987.	4.0	9
36	Synthesis and structure of the first discrete dinuclear cationic aluminum complexes. Dalton Transactions, 2016, 45, 12346-12351.	3.3	7

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37	Al-alkenyl-induced formation of long-chain branched polyethylene via coordinative tandem insertion and chain-transfer polymerization using (nBuCp)2ZrCl2/MAO systems: An experimental and theoretical study. European Polymer Journal, 2021, 154, 110567.	5.4	7
38	Conformationally dynamic titanium and zirconium cationic complexes of bis(naphthoxy)pyridine ligands: structure, â€œoscillationâ€•and olefin polymerization catalysis. Dalton Transactions, 2017, 46, 3150-3159.	3.3	6
39	Trinuclear tris(ansa-metallocene) complexes of zirconium and hafnium for olefin polymerization. Journal of Organometallic Chemistry, 2018, 878, 19-29.	1.8	6
40	{Cyclopentadienyl/Fluorenyl}â€Group 4 ansa â€Metallocene Catalysts for Production of Tailorâ€Made Polyolefins. Chemical Record, 2021, 21, 357-375.	5.8	6
41	Zirconocene-catalyzed stereoselective cyclocopolymerization of 2-methyl-1,5-hexadiene with propylene. Polymer Chemistry, 2014, 5, 5560.	3.9	5
42	Synthesis, APPI Mass-Spectrometric Characterization, and Polymerization Studies of Group 4 Dinuclear Bis(ansa-metallocene) Complexes. Catalysts, 2018, 8, 558.	3.5	5
43	iPPâ€“sPP Stereoblocks or Blends? Studies on the Synthesis of Isotacticâ€“Syndiotactic Polypropylene Using Single C₁â€Symmetric {Ph₂Câ€(Flu)(3â€Me₃Siâ€Cp)}ZrR₂ Metallocene Precatalysts. Macromolecular Chemistry and Physics, 2014, 215, 2035-2047.	2.2	4
44	Rutheniumâ€Catalyzed Coupling Reactions of CO 2 with C 2 H 4 and Hydrosilanes towards Silyl Esters. Chemistry - A European Journal, 2021, 27, 3997-4003.	3.3	4
45	Group 12 and 13 metal-alkenyl promoted generation of long-chain branching in metallocene-based polyethylene. European Polymer Journal, 2022, 173, 111257.	5.4	4
46	Paraffin-Inert Atmospheric Solid Analysis Probe: A Fast and Easy Approach To Characterize Extremely Air-Sensitive Organometallic Complexes by Mass Spectrometry. Analytical Chemistry, 2020, 92, 2922-2925.	6.5	3
47	Upgrading Toughness and the Glass Transition Temperature of Polydicyclopentadiene upon Addition of Styreneâ€“Ethyleneâ€“Butyleneâ€“Styrene Thermoplastic Elastomer. ACS Applied Polymer Materials, 2022, 4, 2251-2255.	4.4	2
48	Propylene Polymerization and Deactivation Processes with Isoselective {Cp/Flu} Zirconocene Catalysts. Catalysts, 2021, 11, 959.	3.5	1
49	Meso- and Rac-[bis(3-phenyl-6-tert-butylinden-1-yl)dimethylsilyl]zirconium Dichloride: Precatalysts for the Production of Differentiated Polyethylene Products with Enhanced Properties. Polymers, 2022, 14, 2217.	4.5	1