Marzena BiaÅ‚ek

List of Publications by Year
in descending order

46 papers	605 citations	623734 14 h-index	677142 22 g-index
46 all docs	46 docs citations	46 times ranked	421 citing authors

#	Article	IF	Citations
1	Dichlorovanadium (IV) complexes with salenâ€type ligands for ethylene polymerization. Journal of Polymer Science Part A, 2008, 46, 6940-6949.	2.3	51
2	The effect of the comonomer on the copolymerization of ethylene with long chain Î±-olefins using Zieglerâ€“Natta catalysts supported on MgCl2(THF)2. Polymer, 2000, 41, 7899-7904.	3.8	47
3	Microstructure of ethylene-1-hexene and ethylene-1-octene copolymers obtained over Zieglerâ€“Natta catalysts supported on MgCl 2 (THF) 2. Polymer, 2001, 42, 2289-2297.	3.8	43
4	Vanadium-based Ziegler-Natta catalyst supported on MgCl2(THF)2 for ethylene polymerization. Macromolecular Rapid Communications, 1996, 17, 253-260.	3.9	34
5	Transition metal complexes of tetradentate and bidentate Schiff bases as catalysts for ethylene polymerization: Effect of transition metal and cocatalyst. Journal of Polymer Science Part A, 2009, 47, 565-575.	2.3	30
6	Organometallic vanadium-based heterogeneous catalysts for ethylene polymerization. Study of the deactivation process. Macromolecular Rapid Communications, 1998, 19, 163-166.	3.9	27
7	Studies of structural composition distribution heterogeneity in ethylene/1-hexene copolymers using thermal fractionation technique (SSA). Thermochimica Acta, 2005, 429, 149-154.	2.7	27
8	Copolymerization of ethylene with 1-hexene over metallocene catalyst supported on complex of magnesium chloride with tetrahydrofuran. Journal of Polymer Science Part A, 2004, 42, 2512-2519.	2.3	22
9	Effect of catalyst composition on chainâ€endâ€group of polyethylene produced by salenâ€type complexes of titanium, zirconium, and vanadium. Journal of Polymer Science Part A, 2010, 48, 3209-3214.	2.3	22
10	Effect of hydrogen on the ethylene polymerization process over Ziegler-Natta catalysts supported on MgCl2(THF)2. I. Studies of the chain-transfer reaction. Journal of Applied Polymer Science, 2001, 79, 356-360.	2.6	18
11	Ethylenebis(5â€chlorosalicylideneiminato)vanadium dichloride immobilized on MgCl₂â€based supports as a highly effective precursor for ethylene polymerization. Journal of Polymer Science Part A, 2009, 47, 3480-3489.	2.3	15
12	Ethylene/1-olefin copolymerization behaviour of vanadium and titanium complexes bearing salen-type ligand. Polymer Bulletin, 2013, 70, 1499-1517.	3.3	15
13	Synthesis, characterization and catalytic properties for olefin polymerization of two new dimeric zirconium(IV) complexes having diamine-bis(phenolate) and chloride ligands. Applied Catalysis A: General, 2015, 503, 26-33.	4.3	15
14	Dichlorovanadium(IV) diamine-bis(phenolate) complexes for ethylene (co)polymerization and 1-olefin isospecific polymerization. Journal of Catalysis, 2018, 362, 65-73.	6.2	14
15	Olefin polymerization and copolymerization by complexes bearing [ONNO]-Type salan ligands: Effect of ligand structure and metal type (titanium, zirconium, and vanadium). Journal of Polymer Science Part A, 2014, 52, 2111-2123.	2.3	13
16	Ethylene/POSS copolymerization behavior of postmetallocene catalysts and copolymer characteristics. Journal of Polymer Science Part A, 2017, 55, 3918-3934.	2.3	12
17	A comparative study on the polymerization of 1-octene promoted by vanadium and titanium complexes supported by phenoxyimine and salen type ligands. Journal of Polymer Research, 2013, 20, 1.	2.4	11
18	Synthesis and catalytic properties for olefin polymerization of new vanadium complexes containing silsesquioxane ligands with different denticity. Polymer International, 2017, 66, 960-967.	3.1	11

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19	Synthesis and structural characterization of ethylene copolymers containing double-decker silsesquioxane as pendant groups and cross-linkage sites by coordinative copolymerization. European Polymer Journal, 2018, 100, 187-199.	5.4	11
20	(Co)polymerization behavior of supported metallocene catalysts. I. Ligand and substituent effect. Journal of Polymer Science Part A, 2005, 43, 5562-5570.	2.3	10
21	Titanium (IV) chloride complexes with salen ligands supported on magnesium carrier: Synthesis and use in ethylene polymerization. Journal of Polymer Science Part A, 2009, 47, 6693-6703.	2.3	10
22	Ethylene polymerization with FI complexes having novel phenoxyâ€imine ligands: Effect of metal type and complex immobilization. Journal of Polymer Science Part A, 2011, 49, 1644-1654.	2.3	10
23	Ethylene homo- and copolymerization catalyzed by vanadium, zirconium, and titanium complexes having potentially tridentate Schiff base ligands. Journal of Catalysis, 2021, 400, 184-194.	6.2	10
24	(Co)polymerisation Behaviour of Supported Metallocene Catalysts: Carrier Effect. Macromolecular Chemistry and Physics, 2006, 207, 1651-1660.	2.2	9
25	Chlorotitanium (IV) tetradentate Schiffâ€base complex immobilized on inorganic supports: Support type and other factors having effect on ethylene polymerization activity. Journal of Polymer Science Part A, 2009, 47, 4811-4821.	2.3	9
26	Synthesis, characterization and ethylene polymerization by metallasilsesquioxane. Polymers for Advanced Technologies, 2013, 24, 441-445.	3.2	9
27	Oxovanadium(IV) complexes with [ONNO]-chelating ligands as catalysts for ethylene homo- and copolymerization. Journal of Polymer Research, 2014, 21, 1.	2.4	9
28	Polypropylene and poly(ethylene-co -1-octene) effective synthesis with diamine-bis(phenolate) complexes: Effect of complex structure on catalyst activity and product microstructure. Journal of Polymer Science Part A, 2017, 55, 2467-2476.	2.3	9
29	Ring opening polymerization of Îµ-caprolactone initiated by titanium and vanadium complexes of ONO-type schiff base ligand. Journal of Polymer Research, 2021, 28, 1.	2.4	9
30	Effect of hydrogen on the ethylene polymerization process over Ziegler-Natta catalysts supported on MgCl2(THF)2. II. Kinetic studies. Journal of Applied Polymer Science, 2001, 79, 361-365.	2.6	8
31	Tri-alkenyl polyhedral oligomeric silsesquioxanes as comonomers and active center modifiers in ethylene copolymerization catalyzed by bis(phenoxy-imine) Ti, Zr, V and V salen-type complexes. Applied Catalysis A: General, 2018, 567, 122-131.	4.3	8
32	Novel diamine-bis(phenolate) Ti(IV) complexes â€“ tuning the complex structure to control catalytic properties in Îł-olefin polymerization. Applied Catalysis A: General, 2016, 525, 137-144.	4.3	7
33	Synthesis and catalytic performance in ethylene and 1-octene polymerization of chlorotitanium(IV) silsesquioxane complexes. Effect of increasing ligand denticity and type of nonreactive organic substituents. European Polymer Journal, 2016, 79, 121-131.	5.4	7
34	Effect of AlR3 (Râ€‰=â€‰Me, Et, iBu) addition on the composition and microstructure of ethylene/1-olefin copolymers made with post-metallocene complexes of group 4 elements. Polymer Journal, 2019, 51, 19-29.	2.7	7
35	Vanadium complex with tetradentate [O,N,N,O] ligand supported on magnesium type carrier for ethylene homopolymerization and copolymerization. Journal of Polymer Science Part A, 2010, 48, 471-478.	2.3	6
36	Synthesis and catalytic studies of Ti-anchored disilanol isobutyl-POSS/alkylaluminum system. Journal of Molecular Catalysis A, 2012, 361-362, 17-28.	4.8	6

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37	Effective copolymerization of ethylene with Î±,Ï‰-alkenols and homopolymerization of Î±,Ï‰-alkenols catalyzed by aminophenolate zirconium complex. Reactive and Functional Polymers, 2019, 137, 11-20.	4.1	6
38	Copolymerization of Ethylene with Selected Vinyl Monomers Catalyzed by Group 4 Metal and Vanadium Complexes with Multidentate Ligands: A Short Review. Polymers, 2021, 13, 4456.	4.5	5
39	Titanium-biphenoxide catalysts for ethylene polymerization. Journal of Polymer Research, 2012, 19, 1.	2.4	3
40	Synthesis and olefin homo- and copolymerization behavior of new vanadium complexes bearing [OSSO]-type ligands. Reaction Kinetics, Mechanisms and Catalysis, 2017, 122, 259-273.	1.7	3
41	A supported titanium postmetallocene catalyst: Effect of selected conditions on ethylene polymerization. Journal of Applied Polymer Science, 2012, 123, 1848-1852.	2.6	2
42	Homopolymerization of styrenic monomers and their copolymerization with ethylene using group 4 nonâ€metallocene catalysts. Journal of Applied Polymer Science, 2020, 137, 49349.	2.6	2
43	2,4-Di-tert-butyl-6-({[2-(dimethylamino)ethyl](2-hydroxybenzyl)amino}methyl)phenol. Acta Crystallographica Section E: Structure Reports Online, 2014, 70, o678-o678.	0.2	1
44	Effect of hydrogen on the ethylene polymerization process over Zieglerâ€“Natta catalysts supported on MgCl2(THF)2. I. Studies of the chainâ€transfer reaction. Journal of Applied Polymer Science, 2001, 79, 356-360.	2.6	1
45	Synthesis and catalytic behavior in olefin polymerization of bimetallic titanium(IV) silsesquioxane complex and its polymeric counterpart. Polimery, 2016, 61, 591-599.	0.7	1
46	Composition, hydrogen bonding and viscoelastic properties correlation for ethylene/Î±,Ï‰-alkenol copolymers. Polymer, 2022, 251, 124913.	3.8	0