Yury V Kissin

List of Publications by Year
in descending order

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50 papers	1,339 citations	361413 20 h-index	361022 35 g-index
51 all docs	51 docs citations	51 times ranked	919 citing authors

#	Article	IF	Citations
1	CHEMICAL MECHANISMS OF CATALYTIC CRACKING OVER SOLID ACIDIC CATALYSTS: ALKANES AND ALKENES. Catalysis Reviews - Science and Engineering, 2001, 43, 85-146.	12.9	212
2	AlR₂Cl/MgR₂ combinations as universal cocatalysts for Zieglerâ€“Natta, metallocene, and postâ€metallocene catalysts. Journal of Polymer Science Part A, 2009, 47, 3271-3285.	2.3	74
3	Multicenter nature of titanium-based Ziegler-Natta catalysts: Comparison of ethylene and propylene polymerization reactions. Journal of Polymer Science Part A, 2003, 41, 1745-1758.	2.3	68
4	Dual functional catalysis for ethylene polymerization to branched polyethylene. I. Evaluation of catalytic systems. Journal of Polymer Science: Polymer Chemistry Edition, 1984, 22, 3027-3042.	0.8	65
5	Multi-center nature of heterogeneous Ziegler-Natta catalysts: TREF confirmation. Journal of Polymer Science Part A, 2005, 43, 4351-4362.	2.3	65
6	A New Cocatalyst for Metallocene Complexes in Olefin Polymerization. Macromolecules, 2000, 33, 4599-4601.	4.8	64
7	Zieglerâ€“Natta catalysts for propylene polymerization: Morphology and crystal structure of a fourth-generation catalyst. Journal of Catalysis, 2006, 239, 347-353.	6.2	50
8	Multi-center nature of ethylene polymerization catalysts based on 2,6-bis(imino)pyridyl complexes of iron and cobalt. Journal of Polymer Science Part A, 2006, 44, 6159-6170.	2.3	49
9	Hydrogen effects in propylene polymerization reactions with titanium-based Ziegler-Natta catalysts. I. Chemical mechanism of catalyst activation. Journal of Polymer Science Part A, 2002, 40, 1353-1365.	2.3	44
10	Analysis of polyolefins and olefin copolymers using Crystaf technique: Resolution of Crystaf curves. Journal of Applied Polymer Science, 2007, 106, 3872-3883.	2.6	44
11	Hydrogen effects in propylene polymerization reactions with titanium-based Ziegler-Natta catalysts. II. Mechanism of the chain-transfer reaction. Journal of Polymer Science Part A, 2002, 40, 1899-1911.	2.3	41
12	Propylene Polymerization with Titanium-Based Ziegler-Natta Catalysts: Effects of Temperature and Modifiers on Molecular Weight, Molecular Weight Distribution and Stereospecificity. Macromolecular Chemistry and Physics, 2004, 205, 284-301.	2.2	41
13	Ziegler-Natta catalysts for propylene polymerization: Chemistry of reactions leading to the formation of active centers. Journal of Molecular Catalysis A, 2008, 287, 45-52.	4.8	41
14	An Alternative Route to Methylalumoxane:Â Synthesis, Structure, and the Use of Model Methylalumoxanes as Cocatalysts for Transition Metal Complexes in Polymerization Reactions. Macromolecules, 2003, 36, 18-26.	4.8	31
15	Catalyst Systems for Alkene Polymerization Based on Metallocene Complexes and Sterically Hindered Organoaluminates. Macromolecules, 2003, 36, 7413-7421.	4.8	29
16	Oligomerization of ethylene with a homogeneous sulfonated nickel ylideâ€“aluminum alkoxide catalyst. Journal of Polymer Science Part A, 1989, 27, 147-155.	2.3	28
17	Kinetics of ethylene polymerization reactions with chromium oxide catalysts. Journal of Polymer Science Part A, 2008, 46, 5315-5329.	2.3	27
18	Isoselectivity Distribution of Isospecific Centers in Supported Titanium-Based Ziegler-Natta Catalysts. Macromolecular Chemistry and Physics, 2006, 207, 1344-1350.	2.2	26

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19	Postâ€oligomerization of Î±â€olefin oligomers: A route to singleâ€component and multicomponent synthetic lubricating oils. Journal of Applied Polymer Science, 2009, 111, 273-280.	2.6	26
20	Chemistry of olefin polymerization reactions with chromiumâ€based catalysts. Journal of Polymer Science Part A, 2008, 46, 5330-5347.	2.3	22
21	Modeling differential scanning calorimetry melting curves of ethylene/Î±â€olefin copolymers. Journal of Polymer Science, Part B: Polymer Physics, 2011, 49, 195-205.	2.1	19
22	Polymers of propylene and higher 1-alkenes produced with post-metallocene complexes containing a saligenin-type ligand. Polymer, 2013, 54, 6526-6535.	3.8	19
23	Nickel(II) complexes with tripodal NNN ligands as homogenous and supported catalysts for ethylene oligomerization. Molecular Catalysis, 2019, 464, 29-38.	2.0	18
24	A new route to atactic polypropylene: The second life of premetallocene homogeneous polymerization catalyst. Journal of Polymer Science Part A, 2015, 53, 2124-2131.	2.3	16
25	New Î±-diimine nickel complexesâ€"Synthesis and catalysis of alkene oligomerization reactions. Journal of Molecular Catalysis A, 2016, 423, 495-502.	4.8	16
26	Chapter 5 Kinetics of Alkene Polymerization Reactions with Transition Metal Catalysts. Studies in Surface Science and Catalysis, 2007, 173, 291-417.	1.5	15
27	Chemistry and Mechanism of Alkene Polymerization Reactions with Metallocene Catalysts. Macromolecular Chemistry and Physics, 2009, 210, 1942-1956.	2.2	15
28	Titanium Complex Containing a Saligenin Ligand - New Universal Post-Metallocene Polymerization Catalyst: Copolymerization of Ethylene with Higher Î±-Olefins. Journal of Research Updates in Polymer Science, 2015, 3, 216-226.	0.3	15
29	Catalyst Systems for Alkene Polymerization Based on Metallocene Complexes and Phenoxy Alumoxane with a Perfluorinated Phenyl Group. Macromolecular Rapid Communications, 2004, 25, 1554-1557.	3.9	14
30	Ethylene polymerization reactions with multicenter Zieglerâ€Natta catalystsâ€"Manipulation of active center distribution. Journal of Polymer Science Part A, 2010, 48, 4219-4229.	2.3	14
31	Linear dimerization of propylene and 1-butene catalyzed by (Î·3-4-cyclooctene-1-yl)-(1,1,1,5,5-hexafluoro-2,4-pentanedionato)nickel. Journal of Molecular Catalysis, 1986, 34, 345-354.	1.2	13
32	A New Method for Measuring the Number of Active Centers in HeterogeneousZieglerâ€"Natta Catalysts. Journal of Catalysis, 2001, 200, 232-240.	6.2	11
33	Polyethylene. , 2012, , .		11
34	Detailed Kinetics of 1â€Hexene Oligomerization Reaction with (nâ€Buâ€Cp)₂ZrCl₂â€"MAO Catalyst. Macromolecular Chemistry and Physics, 2009, 210, 1241-1246.	2.2	9
35	Elmendorf Tear Test of Polyethylene Films: Mechanical Interpretation and Model. Macromolecular Materials and Engineering, 2011, 296, 729-743.	3.6	9
36	Polymerization of alkenes with a postâ€metallocene catalyst containing a titanium complex with an oxyquinolinyl ligand. Journal of Polymer Science Part A, 2017, 55, 1844-1854.	2.3	9

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37	Propylene polymerization reactions with supported Zieglerâ€“Natta catalysts: Observing polymer material produced by a single active center. Journal of Polymer Science Part A, 2017, 55, 3832-3841.	2.3	9
38	A new post-metallocene catalyst for alkene polymerization: copolymerization of ethylene and 1-hexene with titanium complexes bearing N,N -dialkylcarbamato ligands. Polymer International, 2014, 63, 560-567.	3.1	8
39	Active centers in propylene polymerization catalysts of the fourth generation. Journal of Catalysis, 2015, 332, 156-163.	6.2	8
40	Oligomerization reactions of 1-hexene with metallocene catalysts: Detailed data on reaction chemistry and kinetics. Molecular Catalysis, 2019, 463, 87-93.	2.0	8
41	Dart Impact Testing of Polyethylene Film: Mechanical Interpretation and Model. Macromolecular Materials and Engineering, 2008, 293, 66-77.	3.6	6
42	Titanium complexes bearing carbamato ligands as catalytic precursors for propylene polymerization reactions. Journal of Polymer Science Part A, 2013, 51, 4095-4102.	2.3	6
43	The second life of Ziegler catalyst. Ethylene polymerization reactions with TiCl₄â€“Al[C₂H₅]₂Cl/Mg(C₄H₉)₂ catalyst. Journal of Applied Polymer Science, 2019, 136, 47340.	2.6	5
44	A pre-metallocene single-site catalyst for olefin polymerization: the V(acac)3 â€“ Ali-Bu2Cl system. Polymer Bulletin, 2008, 60, 591-596.	3.3	4
45	Synthesis of atactic polypropylene: Propylene polymerization reactions with TiCl4â€“Al(C2H5)2Cl/Mg(C4H9)2catalyst. Journal of Applied Polymer Science, 2019, 136, 47692.	2.6	3
46	Polymerization and Copolymerization Reactions of Light Alkenes with Postmetallocene Catalysts Containing Titanium Complexes with Bidentate Pinacol Ligands. ChemistrySelect, 2020, 5, 5763-5770.	1.5	3
47	Al(OH)3- and AlO(OH)-based cocatalysts for metallocene complexes in alkene polymerization reactions. Journal of Polymer Science Part A, 2005, 43, 689-692.	2.3	2
48	Alkene polymerization reactions with catalysts based on acetylacetonate complexes of vanadium and titanium. Effect of cocatalyst. Polymer International, 0, , .	3.1	1
49	Ethylene polymerization and copolymerization reactions with Ti(O R) 4 â€“ Al 2 (C 2 H 5) 3 Cl 3 /Mg(C 4) Tj ETQq1 1 0.784314 rgBT	3.1	0
50	Triboelectric effects in catalyst feeders of fluidized-bed polymerization reactors. Journal of Electrostatics, 2022, 115, 103667.	1.9	0