

Ren S Rojas

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78
papers

1,279
citations

19
h-index

32
g-index

85
ext. papers

1,402
ext. citations

3.8
avg, IF

4.18
L-index

#	Paper	IF	Citations
78	NMR Study of Branched Polyethylenes Obtained with Combined Fe and Zr Catalysts. <i>Macromolecules</i> , 2002 , 35, 339-345	5.5	145
77	Synthesis of Branched Polyethylene from Ethylene by Tandem Action of Iron and Zirconium Single Site Catalysts. <i>Macromolecules</i> , 2001 , 34, 2411-2417	5.5	98
76	Nickel alpha-keto-beta-diimine initiators for olefin polymerization. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 1089-92	16.4	84
75	Single-Component β -aminocarboxamide Nickel Ethylene Polymerization and Copolymerization Initiators. <i>Organometallics</i> , 2007 , 26, 5339-5345	3.8	46
74	Amidinate Aluminium Complexes as Catalysts for Carbon Dioxide Fixation into Cyclic Carbonates. <i>ChemCatChem</i> , 2018 , 10, 2271-2277	5.2	43
73	Synthesis and characterization of copolymers of ethylene and 1-octadecene using the rac-Et(Ind) ₂ ZrCl ₂ /MAO catalyst system. <i>Macromolecular Chemistry and Physics</i> , 1999 , 200, 1306-1310	2.6	43
72	Remote Activation of Nickel Complexes by Coordination of B(C ₆ F ₅) ₃ to an Exocyclic Carbonitrile Functionality. <i>Organometallics</i> , 2008 , 27, 1671-1674	3.8	41
71	β -aminocarboxamide Nickel Complexes: Synthesis and Uses in Ethylene Polymerization. <i>Organometallics</i> , 2005 , 24, 5644-5653	3.8	40
70	Highly dispersed clay-polyolefin nanocomposites free of compatibilizers, via the in situ polymerization of alpha-olefins by clay-supported catalysts. <i>Chemical Communications</i> , 2008 , 4186-8	5.8	30
69	Ring-opening polymerization and copolymerization of cyclic esters catalyzed by amidinate aluminum complexes. <i>Journal of Polymer Science Part A</i> , 2017 , 55, 2397-2407	2.5	29
68	Synthesis, structural characterization and ethylene polymerization behavior of complex [Ph ₄ P][CrCl ₃ {HB(pz) ₃ }] [HB(pz) ₃ =hydrotris(1-pyrazolyl)borate]. <i>Inorganic Chemistry Communication</i> , 2004 , 7, 1295-1297	3.1	29
67	N-Arylcyno- β -diketiminato Methallyl Nickel Complexes: Synthesis, Adduct Formation, and Reactivity toward Ethylene. <i>Organometallics</i> , 2013 , 32, 7323-7333	3.8	27
66	Synthesis of a [(β -Cyano-nacnac)Cp]zirconium Complex and Its Remote Activation for Ethylene Polymerization. <i>Organometallics</i> , 2010 , 29, 6104-6110	3.8	27
65	Cyclic Carbonates from CO ₂ and Epoxides Catalyzed by Tetra- and Pentacoordinate Amidinate Aluminum Complexes. <i>Organometallics</i> , 2019 , 38, 469-478	3.8	27
64	Lewis Acid Enhanced Ethene Dimerization and Alkene IsomerizationESI-MS Identification of the Catalytically Active Pyridyldimethoxybenzimidazole Nickel(II) Hydride Species. <i>ACS Catalysis</i> , 2015 , 5, 7338-7342	13.1	24
63	Synthesis of nanosized ZSM-2 zeolite with potential acid catalytic properties. <i>Microporous and Mesoporous Materials</i> , 2009 , 117, 118-125	5.3	23
62	Synthesis and Structure of Bifunctional Zirconocene/Borane Complexes and Their Activation for Ethylene Polymerization. <i>Organometallics</i> , 2011 , 30, 6372-6382	3.8	22

61	Study of the effect of the monomer pressure on the copolymerization of ethylene with 1-hexene. <i>Journal of Applied Polymer Science</i> , 1997 , 64, 2567-2574	2.9	22
60	Ethylene polymerization using dealuminated ZSM-2 zeolite nanocrystals as an active metallocene catalyst support. <i>Applied Catalysis A: General</i> , 2008 , 347, 223-233	5.1	22
59	A computational and conceptual DFT study on the mechanism of hydrogen activation by novel frustrated Lewis pairs. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 10715-25	3.6	19
58	Synthesis of new asymmetric substituted boron amidines - reactions with CO and transfer hydrogenations of phenylacetylene. <i>Dalton Transactions</i> , 2015 , 44, 19606-14	4.3	19
57	Synthesis of new phosphorescent imido-indazole and phosphine mixed ligand Cu(I) complexes □ structural characterization and photophysical properties. <i>RSC Advances</i> , 2016 , 6, 5141-5153	3.7	18
56	Mono and bimetallic nickel bromide complexes bearing azolate-imine ligands: Synthesis, structural characterization and ethylene polymerization studies. <i>Journal of Organometallic Chemistry</i> , 2009 , 694, 1795-1801	2.3	18
55	Chromium(III) complexes with terdentate 2,6-bis(azolylmethyl)pyridine ligands: Synthesis, structures and ethylene polymerization behavior. <i>Journal of Organometallic Chemistry</i> , 2009 , 694, 2636-2641	2.3	18
54	The effect of reaction parameters on catalytic activity in the polymerization of ethylene using supported and unsupported metallocene catalysts. <i>Applied Catalysis A: General</i> , 1998 , 166, 207-213	5.1	18
53	Acetamidine complexes as catalysts for ethylene polymerization. <i>Journal of Organometallic Chemistry</i> , 2009 , 694, 717-725	2.3	16
52	Synthesis of [(Ecyano-P-nacnac)Cp] and [(Ecyano-nacnac)Cp]-zirconium complexes, and their remote activation for ethylene polymerization. <i>Dalton Transactions</i> , 2012 , 41, 1243-51	4.3	15
51	Reactions of Topologically Related β -nacnacH-CN \bar{N} and β -nacnacH-CN \bar{N} Chelate Ligand Systems with HB(C6F5) ₂ . <i>Organometallics</i> , 2011 , 30, 2377-2384	3.8	15
50	Substituted cyclopentadienylchromium(III) complexes containing neutral donor ligands. Synthesis, crystal structures and reactivity in ethylene polymerization. <i>Journal of Organometallic Chemistry</i> , 2004 , 689, 293-301	2.3	14
49	Aromatic guanidines as highly active binary catalytic systems for the fixation of CO ₂ into cyclic carbonates under mild conditions. <i>Catalysis Science and Technology</i> , 2019 , 9, 3879-3886	5.5	12
48	New air stable cationic methallyl Ni complexes bearing imido-indazole carboxylate ligand: Synthesis, characterization and their reactivity towards ethylene. <i>Journal of Molecular Catalysis A</i> , 2016 , 414, 19-26		12
47	Ethylene polymerization and copolymerization with a polar monomer using an β iminocarboxamide nickel complex activated by trimethylaluminum. <i>Journal of Polymer Science Part A</i> , 2008 , 46, 54-59	2.5	12
46	Results coming from homogeneous and supported metallocene catalysts in the homo- and copolymerization of olefins. <i>Macromolecular Symposia</i> , 2002 , 189, 111-126	0.8	12
45	Synthesis of 4(3H)quinazolinimines by reaction of (E)-N-(aryl)-acetimidoyl or -benzimidoyl chloride with amines. <i>Organic and Biomolecular Chemistry</i> , 2015 , 13, 6183-93	3.9	11
44	Synthesis and structures of N-arylciano- β diketiminato zinc complexes and adducts and their application in ring-opening polymerization of L-lactide. <i>RSC Advances</i> , 2015 , 5, 21054-21065	3.7	11

43	Palladium(II) complexes bearing the new pincer ligand 3,5-bis(indazol-2-ylmethyl)toluene; synthesis and catalytic properties. <i>Inorganic Chemistry Communication</i> , 2010 , 13, 1025-1028	3.1	11
42	Nickel pre-catalysts bearing [(N)-imidoylamidine] ligands; influence of the presence of pyridine and pentafluorophenyl groups in ligand backbone on the reactivity in ethylene polymerizations. <i>Journal of Organometallic Chemistry</i> , 2012 , 700, 147-153	2.3	10
41	Synthesis, characterization, and reactivity studies in ethylene polymerization of cyclometalated palladium(II) complexes containing terdentate ligands with N,C,N-donors. <i>Journal of Coordination Chemistry</i> , 2009 , 62, 2772-2781	1.6	10
40	Dialkylboron guanidates: syntheses, structures and carbodiimide de-insertion reactions. <i>Dalton Transactions</i> , 2016 , 45, 15350-15363	4.3	9
39	Catalytically Active N-Acylamidinozirconium Complexes: Synthesis, Structures, and Application in Ethylene Polymerization. <i>Organometallics</i> , 2016 , 35, 1906-1915	3.8	9
38	Heteroleptic Cu(I) complexes bearing methoxycarbonyl-imidoylindazole and POP ligands [an experimental and theoretical study of their photophysical properties. <i>New Journal of Chemistry</i> , 2018 , 42, 12576-12586	3.6	9
37	New bis(azolylcarbonyl)pyridine chromium(III) complexes as initiators for ethylene polymerization. <i>Inorganica Chimica Acta</i> , 2011 , 378, 218-223	2.7	9
36	Trimethylsilylcyclopentadienylchromium(III) complexes with diphenyl-2-pyridylphosphine: synthesis, structural characterisation and catalytic behaviour of [(C ₆ H ₅) ₂ PC ₅ H ₄ NH][[B-Me ₃ SiCp]CrCl ₃]. <i>Journal of Organometallic Chemistry</i> , 2004 , 689, 2268-2272	2.3	9
35	New imidoyl-indazole platinum (II) complexes as potential anticancer agents: Synthesis, evaluation of cytotoxicity, cell death and experimental-theoretical DNA interaction studies. <i>Journal of Inorganic Biochemistry</i> , 2017 , 174, 90-101	4.2	8
34	The Role of Co-Activation and Ligand Functionalization in Neutral Methallyl Nickel(II) Catalysts for Ethylene Oligomerization and Polymerization. <i>Chemistry - A European Journal</i> , 2017 , 23, 10167-10176	4.8	8
33	The performance of methallyl nickel complexes and boron adducts in the catalytic activation of ethylene: a conceptual DFT perspective. <i>Journal of Molecular Modeling</i> , 2015 , 21, 227	2	8
32	Methyl branching in polyethylene from homopolymerization of ethylene with N-arylcyanodiketiminato methallyl nickel-B(C ₆ F ₅) ₃ . <i>Journal of Polymer Science Part A</i> , 2015 , 53, 452-458	2.5	8
31	Borata-Alkene Derived Syntheses of (F ₅ C ₆) ₂ B-Substituted Bis(indenyl) Group 4 Metal Complexes. <i>Organometallics</i> , 2016 , 35, 2689-2693	3.8	7
30	Copper(I) complexes based on a new indazol-4,7-dione ligand. <i>Polyhedron</i> , 2013 , 62, 66-74	2.7	6
29	Synthesis and characterization of materials prepared via the copolymerization of ethylene with 1-octadecene and norbornene using a [(Cyano-nacnac)Cp] zirconium complex. <i>Journal of Polymer Science Part A</i> , 2011 , 49, 1535-1542	2.5	6
28	Binding modes of a dimethyliminopentanone ligand on nickel pre-catalysts toward olefin polymerization. <i>Journal of Organometallic Chemistry</i> , 2009 , 694, 1380-1384	2.3	6
27	Toward a Neutral Single-Component Amidinate Iodide Aluminum Catalyst for the CO Fixation into Cyclic Carbonates. <i>Inorganic Chemistry</i> , 2021 , 60, 1172-1182	5.1	6
26	Aluminum complexes with new non-symmetric ferrocenyl amidine ligands and their application in CO transformation into cyclic carbonates. <i>Dalton Transactions</i> , 2020 , 49, 1124-1134	4.3	6

25	B(C ₆ F ₅) ₃ Promotes the catalytic activation of [N,S]-ferrocenyl nickel complexes in ethylene oligomerization. <i>Applied Catalysis A: General</i> , 2018 , 550, 228-235	5.1	6
24	Chromium(III) complexes bearing bis(benzotriazolyl)pyridine ligands: synthesis, characterization and ethylene polymerization behavior. <i>Journal of Coordination Chemistry</i> , 2017 , 70, 803-818	1.6	5
23	Synthesis of 4(3H)quinazolinimines with selective cytotoxic effect on human acute promyelocytic leukemia cells. <i>Bioorganic and Medicinal Chemistry</i> , 2017 , 25, 2681-2688	3.4	5
22	PALLADIUM COMPLEX BEARING 3,5-BIS(BENZOTRIAZOL-1-YLMETHYL)TOLUENE LIGAND CATALYZES OXIDATIVE AMINATION OF ALLYL BUTYL ETHER. <i>Journal of the Chilean Chemical Society</i> , 2013 , 58, 1534-1536	2.5	5
21	Organonickel(II) complexes with anionic tridentate 1, 3-bis(azolylmethyl)phenyl ligands. synthesis, structural characterization and catalytic behavior. <i>Journal of the Brazilian Chemical Society</i> , 2011 , 22, 1750-1757	1.5	5
20	Development of a co-precipitation process for the preparation of magnesium hydroxide containing lithium carbonate from Li-enriched brines. <i>Hydrometallurgy</i> , 2020 , 198, 105515	4	5
19	Modification of rGO by B(C ₆ F ₅) ₃ to generated single-site Lewis Acid rGO-O-B(C ₆ F ₅) ₂ as co activator of nickel complex, to produce highly disperse rGO-PE nanocomposite. <i>Applied Catalysis A: General</i> , 2019 , 580, 149-157	5.1	4
18	Grafting of the zirconium complexes [Zr(B-C ₅ H ₅){NC-amidine}Cl ₂] and [Zr(B-C ₅ H ₅)(NC-NacNac)Cl ₂] and the study of their behavior in ethylene polymerization. <i>Journal of Molecular Catalysis A</i> , 2014 , 391, 130-138		4
17	Development of Imine Derivative Ligands for the Exocyclic Activation of Late Transition Metal Polymerization Catalysts. <i>Catalysis By Metal Complexes</i> , 2011 , 39-75		4
16	A molecular electron density theory study of the insertion of CO into frustrated Lewis pair boron-amidines: a [4 + 1] cycloaddition reaction. <i>Dalton Transactions</i> , 2019 , 48, 9214-9224	4.3	3
15	Unexpected intramolecular N-arylcyano-β-diketiminato cyclization in new aminoquinoline derivative complexes of aluminium for CO ₂ fixation into cyclic carbonates. <i>New Journal of Chemistry</i> , 2019 , 43, 12059-12068	3.6	3
14	Nickel Catalysts Activated by rGO Modified with a Boron Lewis Acid To Produce rGO-Hyperbranched PE Nanocomposites. <i>Organometallics</i> , 2019 , 38, 3327-3337	3.8	3
13	Mono- and Dinuclear Asymmetric Aluminum Guanidates for the Catalytic CO ₂ Fixation into Cyclic Carbonates. <i>Organometallics</i> , 2021 , 40, 2859-2869	3.8	3
12	A new series of zirconium metallocenes derived from partially alkylated s-indacene with potential applications in the polymerization of ethylene. <i>Inorganica Chimica Acta</i> , 2015 , 434, 121-126	2.7	2
11	Intermolecular stabilization in new 2-iminopyridine derivatives complexes of Pd(II) and their reactivity towards alkenes. <i>Journal of Organometallic Chemistry</i> , 2018 , 863, 21-29	2.3	2
10	Synthesis and structural characterization of new 2-bromo-1,3-bis(triazol-1-ylmethyl)benzene ligands. Study of their behavior as complexing agents for determination of nickel(II) by adsorptive stripping voltammetry. <i>Journal of Coordination Chemistry</i> , 2013 , 66, 592-601	1.6	2
9	Novel titanocene derived from a partially alkylated s-indacene: Synthesis, characterization and comparative study with its zirconium analog. <i>Inorganica Chimica Acta</i> , 2013 , 396, 35-39	2.7	2
8	Copper (II) as catalyst for intramolecular cyclization and oxidation of (1,4-phenylene)bisguanidines to benzodiimidazole-diyliidenes. <i>Journal of Catalysis</i> , 2020 , 382, 150-154	7.3	2

7	Ethylene polymerization by binuclear chromium complex with tetrakis(pyrazolyl-methyl)benzene ligand. <i>Polymer Bulletin</i> , 2020 , 77, 2269-2284	2.4	2
6	Highly Active CO ₂ Fixation into Cyclic Carbonates Catalyzed by Tetranuclear Aluminum Benzodiimidazole-Diylidene Adducts. <i>Catalysts</i> , 2021 , 11, 2	4	1
5	Evaluation of novel imino-phenol ligands in divalent metal ion extraction/recovery processes from leaching solutions. <i>Separation and Purification Technology</i> , 2020 , 252, 117451	8.3	1
4	Mechanistic study of the competitiveness between branched and linear polyethylene production on N-arylcyanodiketiminato nickel hydride. <i>Polymer Chemistry</i> , 2020 , 11, 6640-6649	4.9	1
3	New guanidine-borane adducts: An experimental and theoretical approach. <i>Inorganica Chimica Acta</i> , 2021 , 518, 120217	2.7	1
2	Trapping an unusual pentacoordinate carbon atom in a neutral trialuminum complex. <i>Chemical Communications</i> , 2021 , 57, 10327-10330	5.8	1
1	Synthesis of highly branched oligoethylenes by air-stable N,N-indazole derivate methallyl Ni(II) complexes. <i>Inorganica Chimica Acta</i> , 2020 , 510, 119761	2.7	0