

# Oswaldo Casagrande

## List of Publications by Year in descending order

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85  
papers

1,920  
citations

257450

24  
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86  
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86  
docs citations

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times ranked

1445  
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#	ARTICLE	IF	CITATIONS
1	Oligo- and polymerization of ethylene by pyrrolide-imine chromium catalysts bearing pendant O-, S- and N-donor groups. Synthesis, characterization and DFT studies. <i>Molecular Catalysis</i> , 2022, 528, 112495.	2.0	0
2	Chromium complexes supported by bidentate thioether-imine [N,S] ligands: synthesis and ethylene oligomerization studies. <i>New Journal of Chemistry</i> , 2021, 45, 1814-1821.	2.8	2
3	Chromium(III) complexes based on phenoxy-imine ligands with pendant N- and O-donor groups as precatalysts for ethylene oligomerization: synthesis, characterization, and DFT studies. <i>Journal of Organometallic Chemistry</i> , 2021, 936, 121710.	1.8	1
4	Chromium Complexes Supported by Phenyl Ether-Pyrazolyl [N,O] Ligands as Catalysts for the Oligo- and Polymerization of Ethylene. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5984.	3.5	3
5	Synthesis, molecular structure and antioxidant activity of bis [L(1/2-chloro)copper(II)] supported by phenoxy/naphthoxy-imine ligands. <i>Journal of Inorganic Biochemistry</i> , 2020, 210, 111130.	3.5	7
6	Chromium complexes based on thiophene-imine ligands for ethylene oligomerization. <i>Applied Organometallic Chemistry</i> , 2019, 33, e4697.	3.5	10
7	Pyrazolyl-phosphinoyl nickel (II) complexes: synthesis, characterization and ethylene dimerization studies. <i>Applied Organometallic Chemistry</i> , 2019, 33, e4887.	3.5	6
8	Zinc bis-pyrrolide-imine complexes: Synthesis, structure and application in ring-opening polymerization of rac-lactide. <i>Journal of Organometallic Chemistry</i> , 2018, 863, 95-101.	1.8	13
9	Nickel complexes supported by selenium-based tridentate ligands and their use as effective catalyst systems for ethylene dimerisation. <i>Journal of Organometallic Chemistry</i> , 2018, 856, 34-40.	1.8	10
10	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. <i>New Journal of Chemistry</i> , 2018, 42, 1477-1483.	2.8	10
11	Synthesis and characterization of Ni (II) complexes supported by phenoxy/naphthoxy-imine ligands with pendant N- and O-donor groups and their use in ethylene oligomerization. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4414.	3.5	7
12	High-density polyethylene/expanded graphite nanocomposites produced by polymerization-filling technique using an industrial heterogeneous catalyst. <i>Journal of Polymer Science Part A</i> , 2017, 55, 1260-1267.	2.3	2
13	Vanadium(III) complexes containing phenoxy-imine-thiophene ligands: Synthesis, characterization and application to homo- and copolymerization of ethylene. <i>Applied Organometallic Chemistry</i> , 2017, 31, e3678.	3.5	11
14	Chromium complexes bearing pyrazolyl-imine-phenoxy/pyrrolide ligands: Synthesis, characterization, and use in ethylene oligomerization. <i>Catalysis Communications</i> , 2016, 86, 77-81.	3.3	17
15	Synthesis and characterization of ether-imine-furfural [ONO] nickel(II) complexes and their application in oligomerization of ethylene. <i>Applied Catalysis A: General</i> , 2016, 523, 247-254.	4.3	8
16	A novel class of nickel complexes containing selenium-based bidentate ligands applied in ethylene oligomerization. <i>RSC Advances</i> , 2016, 6, 104338-104344.	3.6	15
17	Ethylene oligomerization promoted by chromium complexes bearing pyrrolide-imine-amine/ether tridentate ligands. <i>Dalton Transactions</i> , 2015, 44, 16073-16080.	3.3	24
18	Zwitterionic Ni complexes bearing pyrazolyl-ether-imidazolium ligands: synthesis, structural characterization and use in ethylene oligomerization. <i>New Journal of Chemistry</i> , 2015, 39, 7234-7242.	2.8	6

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19	Ni(II) complexes bearing pyrrolide-imine ligands with pendant N-, O- and S-donor groups: synthesis, structural characterization and use in ethylene oligomerization. <i>RSC Advances</i> , 2015, 5, 91524-91531.	3.6	21
20	Synthesis, Characterization and Ethylene Oligomerization Studies of Chromium Complexes Bearing Imino-Furfural Ligands. <i>Journal of the Brazilian Chemical Society</i> , 2014, , .	0.6	0
21	Linear low-density polyethylene nanocomposites by in situ polymerization using a zirconium-nickel tandem catalyst system. <i>Journal of Polymer Science Part A</i> , 2014, 52, n/a-n/a.	2.3	3
22	Yttrium(III) and Aluminum(III)-Bis(phenolate)pyridine Complexes: Catalysts and Model Compounds of the Intermediates for the Stereoselective Ring-Opening Polymerization of Racemic Lactide and $\beta$ -Butyrolactone. <i>Organometallics</i> , 2014, 33, 309-321.	2.3	75
23	Discrete $\eta^5$ -Cp*-Lactate and $\eta^2$ -Alkoxybutyrate Aluminum Pyridine-Bis(naphtholate) Complexes: Models for Mechanistic Investigations in the Ring-Opening Polymerization of Lactides and $\beta$ -Lactones. <i>Organometallics</i> , 2014, 33, 5693-5707.	2.3	43
24	Synthesis and Characterization of Imino-Phenolate Titanium Complexes and Their Use in Homo- and Copolymerization of Ethylene. <i>Macromolecular Chemistry and Physics</i> , 2014, 215, 1735-1743.	2.2	10
25	Scandium versus yttrium{amino-alkoxy-bis(phenolate)} complexes for the stereoselective ring-opening polymerization of racemic lactide and $\beta$ -butyrolactone. <i>Dalton Transactions</i> , 2014, 43, 14322-14333.	3.3	40
26	Nickel catalysts based on phenyl ether-pyrazol ligands: Synthesis, XPS study, and use in ethylene oligomerization. <i>Applied Catalysis A: General</i> , 2013, 453, 280-286.	4.3	33
27	Half-metallocene zirconium complex bearing tridentate [N,N,O] ligand and its use in homo- and copolymerization of ethylene. <i>Catalysis Communications</i> , 2013, 42, 113-115.	3.3	4
28	Aluminum, calcium and zinc complexes supported by potentially tridentate iminophenolate ligands: synthesis and use in the ring-opening polymerization of lactide. <i>Applied Organometallic Chemistry</i> , 2012, 26, 681-688.	3.5	27
29	Oligomerization of ethylene using tridentate nickel catalysts bearing ether-pyrazol ligands with pendant O- and S-donor groups. <i>Catalysis Communications</i> , 2011, 16, 245-249.	3.3	24
30	Nickel-containing di-charged imidazolium ligand with high crystalline organization. Interception and characterization of a transient carbene/cation species. <i>Inorganica Chimica Acta</i> , 2011, 370, 505-512.	2.4	14
31	Substituted tridentate pyrazolyl ligands for chromium and nickel-catalyzed ethylene oligomerization reactions: effect of auxiliary ligand on activity and selectivity. <i>Journal of the Brazilian Chemical Society</i> , 2010, 21, 1318-1328.	0.6	20
32	Polycarbonates Derived from Green Acids: Ring-Opening Polymerization of Seven-Membered Cyclic Carbonates. <i>Macromolecules</i> , 2010, 43, 8007-8017.	4.8	59
33	Zinc(II) complexes based on sterically hindered hydrotris(pyrazolyl)borate ligands: Synthesis, reactivity and solid-state structures. <i>Inorganica Chimica Acta</i> , 2009, 362, 4585-4592.	2.4	14
34	Palladium complexes based on tridentate pyrazolyl-ligands: Synthesis, structures and use in Suzuki cross-coupling reactions. <i>Inorganica Chimica Acta</i> , 2009, 362, 4396-4402.	2.4	11
35	Novel heterotetrametallic compounds derived from 1-(ferrocenylethynyl)( $\eta^6$ -arene)tricarbonylchromium. <i>Polyhedron</i> , 2009, 28, 1127-1132.	2.2	4
36	UHMWPE-layered silicate nanocomposites by in situ polymerization with tris(pyrazolyl)borate titanium/clay catalyst. <i>Journal of the Brazilian Chemical Society</i> , 2009, 20, 472-477.	0.6	8

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37	Highly selective nickel catalysts for ethylene oligomerization based on tridentate pyrazolyl ligands. <i>Journal of Molecular Catalysis A</i> , 2008, 288, 58-62.	4.8	65
38	Zinc and enolato-magnesium complexes based on bi-, tri- and tetradentate aminophenolate ligands. <i>New Journal of Chemistry</i> , 2008, 32, 2279.	2.8	76
39	Styrene polymerization by nickel and titanium catalysts based on tris(pyrazolyl)borate ligands. <i>Journal of the Brazilian Chemical Society</i> , 2008, 19, 1560-1566.	0.6	5
40	Aluminum and Zinc Complexes Based on an Amino-Bis(pyrazolyl) Ligand: Synthesis, Structures, and Use in MMA and Lactide Polymerization. <i>Inorganic Chemistry</i> , 2007, 46, 328-340.	4.0	110
41	Chromium Catalysts Based on Tridentate Pyrazolyl Ligands for Ethylene Oligomerization. <i>Organometallics</i> , 2007, 26, 4010-4014.	2.3	61
42	Ethylene polymerization using tris(pyrazolyl)borate titanium(IV) catalyst supported in situ on MAO-modified silica. <i>Applied Catalysis A: General</i> , 2007, 332, 110-114.	4.3	13
43	Magnesium complexes based on an amido-bis(pyrazolyl) ligand: Synthesis, crystal structures, and use in lactide polymerization. <i>Polyhedron</i> , 2007, 26, 3817-3824.	2.2	34
44	Nickel Complexes Based on Tridentate Pyrazolyl Ligands for Highly Efficient Dimerization of Ethylene to 1-Butene. <i>Organometallics</i> , 2006, 25, 1213-1216.	2.3	132
45	Trichloro[tris(3-mesitylpyrazol-1-yl)borohydrido]titanium dichloromethane disolvate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006, 62, m2297-m2298.	0.2	1
46	Ethylene polymerization using tris(pyrazolyl)borate vanadium (V) catalysts in situ supported on MAO-modified silica. <i>Journal of Molecular Catalysis A</i> , 2006, 255, 19-24.	4.8	15
47	Supported hybrid catalysts based on zirconocene and tris(pyrazolyl)borate titanium derivatives. <i>Journal of Applied Polymer Science</i> , 2006, 99, 2002-2009.	2.6	6
48	Tandem Action of TpMsNiCl and Supported Cp2ZrCl2 Catalysts for the Production of Linear Low-Density Polyethylene. <i>Macromolecular Chemistry and Physics</i> , 2006, 207, 827-835.	2.2	14
49	Mixed Aluminum-Magnesium-Rare Earth Allyl Catalysts for Controlled Isoprene Polymerization: Modulation of Stereocontrol. <i>Macromolecular Rapid Communications</i> , 2006, 27, 338-343.	3.9	78
50	Spectroscopic and voltametric studies in titanium tris(pyrazolyl)borate catalysts. <i>Journal of Molecular Catalysis A</i> , 2005, 238, 96-101.	4.8	3
51	Ethylene Polymerization using Combined Ni and Ti Catalysts Supported in situ on MAO-Modified Silica. <i>Macromolecular Materials and Engineering</i> , 2005, 290, 72-77.	3.6	13
52	1,5-Diphenyl-4,8-bis(3-phenylpyrazol-1-yl)pyrazabole. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2005, 61, o521-o523.	0.4	1
53	Dual catalyst system composed by nickel and vanadium complexes containing nitrogen ligands for ethylene polymerization. <i>Journal of the Brazilian Chemical Society</i> , 2005, 16, 1248-1254.	0.6	5
54	Titanium and vanadium ethylene polymerization catalysts containing tris(pyrazolyl)borate ligand: Effects of polymerization parameters on activity and polymer properties. <i>Journal of the Brazilian Chemical Society</i> , 2005, 16, 1283-1289.	0.6	7

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55	Thallium-Arene Contacts in a Rare Yttrium Tris(pyrazolyl)hydroborate-Ate Complex. <i>European Journal of Inorganic Chemistry</i> , 2004, 2004, 4803-4806.	2.0	11
56	Titanium and zirconium complexes containing sterically hindered hydrotris(pyrazolyl)borate ligands: synthesis, structural characterization, and ethylene polymerization studies. <i>Journal of Organometallic Chemistry</i> , 2004, 689, 286-292.	1.8	30
57	Synthesis and reactivity in salt metathesis reactions of trivalent [La(TpMe <sub>2</sub> ) <sub>2</sub> X] (X=Cl, I) complexes: crystal structures of [La(TpMe <sub>2</sub> ) <sub>2</sub> Cl] and [La(TpMe <sub>2</sub> ) <sub>2</sub> ( <sup>i</sup> Pr <sub>2</sub> -pzMe <sub>2</sub> )]. <i>Polyhedron</i> , 2004, 23, 2437-2445.	2.2	24
58	Polymerization of ethylene by the tris(pyrazolyl)borate titanium(IV) compound immobilized on MAO-modified silicas. <i>Journal of Molecular Catalysis A</i> , 2004, 209, 163-169.	4.8	31
59	Tris(pyrazolyl)borate imido vanadium (V) compound immobilized on inorganic supports and its use in ethylene polymerization. <i>Journal of Molecular Catalysis A</i> , 2004, 212, 267-275.	4.8	31
60	Linear low density polyethylene (LLDPE) from ethylene using TpMsNiCl (TpMs =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 547 Td (hydridotr <i>Catalysis A</i> , 2004, 214, 207-211.	4.8	30
61	Production of LPE/BPE blends using homogeneous binary catalyst system: influence of the polymerization parameters on polymer properties. <i>Polymer</i> , 2003, 44, 4127-4133.	3.8	10
62	Highly Selective Nickel Ethylene Oligomerization Catalysts Based on Sterically Hindered Tris(pyrazolyl)borate Ligands. <i>Organometallics</i> , 2003, 22, 4739-4743.	2.3	94
63	Ethylene Polymerization Behavior of Tris(pyrazolyl)borate Titanium(IV) Complexes. <i>Organometallics</i> , 2002, 21, 1882-1890.	2.3	123
64	Synthesis and properties of branched polyethylene/high-density polyethylene blends using a homogeneous binary catalyst system composed of early and late transition metal complexes. <i>Macromolecular Chemistry and Physics</i> , 2002, 203, 2058-2068.	2.2	13
65	Synthesis and Characterization of Hyperbranched Polyethylenes Made with Nickel-Diimine Catalysts. <i>Macromolecular Chemistry and Physics</i> , 2002, 203, 2407-2411.	2.2	23
66	Synthesis and structure of a new heteronuclear ( $\eta$ -6-arene) tricarbonylchromium compound incorporating propargyl amine unit. <i>Inorganic Chemistry Communication</i> , 2002, 5, 192-195.	3.9	0
67	Heterometallic metal carbonyl compounds derived from ( $\eta$ -6-arene)tricarbonylchromium bearing propargyl units. <i>Dalton Transactions RSC</i> , 2001, , 1634-1638.	2.3	4
68	Recent Advances in Olefin Polymerization Using Binary Catalyst Systems. <i>Macromolecular Rapid Communications</i> , 2001, 22, 1293-1301.	3.9	65
69	Copolymerization of Ethylene with 1-Hexene Using Sterically Hindered Tris(pyrazolyl)borate Titanium (IV) Compounds. <i>Macromolecular Chemistry and Physics</i> , 2001, 202, 319-324.	2.2	39
70	Tailoring Polyethylene Characteristics Using a Combination of Nickel-Diimine and Zirconocene Catalysts under Reactor Blending Conditions. <i>Macromolecular Chemistry and Physics</i> , 2001, 202, 1016-1020.	2.2	24
71	Copolymerization of Ethylene with 1-Hexene Using Sterically Hindered Tris(pyrazolyl)borate Titanium (IV) Compounds. , 2001, 202, 319.		1
72	Combination of nickel and titanium complexes containing nitrogen ligands as catalyst for polyethylene reactor blending. <i>Macromolecular Rapid Communications</i> , 2000, 21, 277-280.	3.9	39

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73	Highly active zirconium(IV) catalyst containing sterically hindered hydridotris(pyrazolyl)borate ligand for the polymerization of ethylene. <i>Macromolecular Rapid Communications</i> , 2000, 21, 1054-1057.	3.9	36
74	Hydroruthenation of Propargyl Amines Promoted by the 16-Electron Complex RuHCl(CO)(PiPr3)2. <i>Journal of Coordination Chemistry</i> , 2000, 51, 1-8.	2.2	2
75	Highly active zirconium(IV) catalyst containing sterically hindered hydridotris(pyrazolyl)borate ligand for the polymerization of ethylene. , 2000, 21, 1054.		1
76	Thermal decomposition of homo- and heterometallic ( $\eta$ -6-arene)tricarbonylchromium derivatives. <i>Thermochimica Acta</i> , 1999, 331, 87-91.	2.7	6
77	Synthesis and Reactivity of ( $\eta$ -6-arene)tricarbonylchromium Compounds Incorporating Propargylamine Units. X-ray Crystal Structures of YCH <sub>2</sub> Câ€¢CPh[Cr(CO) <sub>3</sub> ] (Y = NMe <sub>2</sub> , N(Me)(CH <sub>2</sub> Ph)) and {Pd-trans-C[(Ph)Cr(CO) <sub>3</sub> ]C(Cl)CH <sub>2</sub> NMe <sub>2</sub> (Cl)(Py)}. <i>Organometallics</i> , 1999, 18, 3898-3903.	2.3	10
78	Synthesis, characterization and thermal behavior of heterobimetallic carbonyl compounds of the type [W(CO) <sub>4</sub> (bipy)(CuX)](X = Cl, N <sub>3</sub> , ClO <sub>4</sub> and BF <sub>4</sub> ). <i>Polyhedron</i> , 1997, 16, 2193-2197.	2.2	11
79	Thermal behaviour of heterobimetallic compounds of the type dppfMCl <sub>2</sub> [dppf = 1,1-bis(diphenylphosphino)ferrocene and M = Ni, Pd, Pt] in an oxidizing atmosphere and characterization of the final decomposition products. <i>Polyhedron</i> , 1997, 16, 171-177.	2.2	8
80	SYNTHESIS, CHARACTERIZATION AND REACTIVITY OF NOVEL COORDINATION COMPOUNDS OF Pd(II) AND Pt(II) WITH PHENYL-2-PYRIDINYL ACETYLENE X-RAY STRUCTURE OF trans-{Pt[(O-NC <sub>5</sub> H <sub>4</sub> )Câ€¢C(Ph)]Cl <sub>2</sub> (SEt <sub>2</sub> )}. <i>Journal of Coordination Chemistry</i> , 1996, 40, 35-44.	2.2	6
81	Small angle X-ray scattering and IR spectroscopy study of metal carbonyl complexes immobilized on a silica gel surface chemically modified with piperazine. <i>Polyhedron</i> , 1996, 15, 4179-4183.	2.2	4
82	Cis and trans nucleophilic additions on C $\hat{=}$ 1/4C bonds assisted by Pt(II) complexes. X-ray crystal structure of trans-{Pt[cis-(o-NC <sub>5</sub> H <sub>4</sub> )CH $\hat{=}$ C(Ph)(NEt <sub>2</sub> )]Cl <sub>2</sub> (HNEt <sub>2</sub> )}. <i>Polyhedron</i> , 1994, 13, 2583-2587.	2.2	13
83	Reaction of pentacarbonyliron with a nitrogen heterocycle. X-ray crystal structure of bis[(carbonyl)(quinoline-2-thiolate-N,S)]iron(II). <i>Polyhedron</i> , 1993, 12, 297-301.	2.2	8
84	Synthesis and solid-state structural characterization of di-1/4-azido-bis[{azido(N,) Tj ETQqO 0 0 rgBT /Overlock 10 Tf 50 302 Td (N-diethy	1.4	20
85	Bis(pyrazolyl)thioether/amineâ€¢chromium(III) catalysts bearing pendant O â€¢and N â€¢donor group for oligomerization and polymerization of ethylene. <i>Applied Organometallic Chemistry</i> , 0, , .	3.5	1