

# Ernesto de JesÃºs

## List of Publications by Year in descending order

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88  
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2,611  
citations

172457

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47  
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93  
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93  
docs citations

93  
times ranked

2666  
citing authors

#	ARTICLE	IF	CITATIONS
1	Catalysts based on palladium dendrimers. <i>New Journal of Chemistry</i> , 2007, 31, 1161.	2.8	160
2	Water-Soluble Carbosilane Dendrimers: Synthesis Biocompatibility and Complexation with Oligonucleotides; Evaluation for Medical Applications. <i>Chemistry - A European Journal</i> , 2007, 13, 483-495.	3.3	149
3	Highly Stable Water-Soluble Platinum Nanoparticles Stabilized by Hydrophilic N-Heterocyclic Carbenes. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 13220-13224.	13.8	112
4	Turnover Numbers and Soluble Metal Nanoparticles. <i>ChemCatChem</i> , 2011, 3, 1413-1418.	3.7	108
5	Dendrimer-Encapsulated Pd Nanoparticles versus Palladium Acetate as Catalytic Precursors in the Stille Reaction in Water. <i>Inorganic Chemistry</i> , 2009, 48, 4491-4496.	4.0	99
6	Mononuclear and Dendritic Nickel(II) Complexes Containing N,N'-Iminopyridine Chelating Ligands: Generation Effects on the Catalytic Oligomerization and Polymerization of Ethylene. <i>Organometallics</i> , 2006, 25, 3876-3887.	2.3	97
7	Dendrimers: Solutions For Catalyst Separation and Recycling – A Review – Dedicated to the memory of Dr. Jos� Antonio Delgado Oyag�. <i>Industrial &amp; Engineering Chemistry Research</i> , 2008, 47, 7968-7981.	3.7	92
8	Water-Soluble N-Heterocyclic Carbene Platinum(0) Complexes: Recyclable Catalysts for the Hydrosilylation of Alkynes in Water at Room Temperature. <i>Organometallics</i> , 2012, 31, 3355-3360.	2.3	81
9	C-C Coupling Reactions of Aryl Bromides and Arylsiloxanes in Water Catalyzed by Palladium Complexes of Phosphanes Modified with Crown Ethers. <i>Organic Letters</i> , 2006, 8, 3517-3520.	4.6	66
10	Novel Water-Soluble Carbosilane Dendrimers: Synthesis and Biocompatibility. <i>European Journal of Inorganic Chemistry</i> , 2006, 2006, 1388-1396.	2.0	64
11	Sulfonated Water-Soluble N-Heterocyclic Carbene Silver(I) Complexes: Behavior in Aqueous Medium and as NHC-Transfer Agents to Platinum(II). <i>Organometallics</i> , 2013, 32, 2814-2826.	2.3	59
12	Synthesis of Carbosilane Dendrimers Containing Peripheral (Cyclopentadienyl)(aryloxy)titanium(IV) Units. <i>Organometallics</i> , 2001, 20, 2583-2592.	2.3	48
13	Generation effects on the microstructure and product distribution in ethylene polymerization promoted by dendritic nickel catalysts. <i>Chemical Communications</i> , 2005, , 5217.	4.1	47
14	Consecutive palladium-catalyzed Hiyama-Heck reactions in aqueous media under ligand-free conditions. <i>Chemical Communications</i> , 2007, , 4056.	4.1	46
15	Mechanistic Studies on the Pd-Catalyzed Vinylation of Aryl Halides with Vinylalkoxysilanes in Water: The Effect of the Solvent and NaOH Promoter. <i>Journal of the American Chemical Society</i> , 2013, 135, 13749-13763.	13.7	46
16	Neutral and Cationic Dendritic Palladium(II) Complexes Containing N,N'-Iminopyridine Chelating Ligands. Synthesis and Their Use for the Syndiospecific Copolymerization of CO <sub>2</sub> /4-tert-Butylstyrene. <i>Organometallics</i> , 2006, 25, 3045-3055.	2.3	44
17	Water-Soluble Palladium(II) Complexes with Sulfonated N-Heterocyclic Carbenes in Suzuki Cross-Coupling and Hydrodehalogenation Reactions. <i>Organometallics</i> , 2015, 34, 1855-1863.	2.3	44
18	Titanocene and Zirconocene Complexes containing Dendrimer-Substituted Cyclopentadienyl Ligands – Synthesis and Ethylene Polymerization. <i>European Journal of Inorganic Chemistry</i> , 2002, 2002, 2281-2286.	2.0	41

#	ARTICLE	IF	CITATIONS
19	Palladium-Catalysed Telomerisation of Isoprene with Glycerol and Polyethylene Glycol: A Facile Route to New Terpene Derivatives. <i>Advanced Synthesis and Catalysis</i> , 2009, 351, 325-330.	4.3	38
20	Knight Shift in <sup>13</sup> C-NMR Resonances Confirms the Coordination of N-Heterocyclic Carbene Ligands to Water-Soluble Palladium Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 865-869.	13.8	38
21	Thermal Decomposition of [( <i>i</i> -5-C5Me5)TiMe3]: Synthesis and Structure of the Methylidyne Cubane [( <i>i</i> -5-C5Me5)Ti] <sub>4</sub> ( $\mu$ -3-CH) <sub>4</sub> . <i>Angewandte Chemie International Edition in English</i> , 1997, 36, 115-117.	4.4	36
22	Tris(pyrazolyl)methane Ligands: Syntheses and Structures of Monometallic and Metallodendritic Complexes. <i>European Journal of Inorganic Chemistry</i> , 2004, 2004, 3287-3296.	2.0	36
23	Dendritic $\eta^2$ -diketiminato titanium and zirconium complexes: synthesis and ethylene polymerisation. <i>Journal of Organometallic Chemistry</i> , 2005, 690, 939-943.	1.8	36
24	Monitoring of nanoparticle reactivity in solution: interaction of $\alpha$ -lysine and Ru nanoparticles probed by chemical shift perturbation parallels regioselective H/D exchange. <i>Chemical Communications</i> , 2017, 53, 5850-5853.	4.1	36
25	Neutral and Cationic Aluminum and Titanium Complexes Incorporating Sterically Demanding Organosilicon Ligands. <i>Organometallics</i> , 2005, 24, 2331-2338.	2.3	35
26	Carbosilane Dendrons as Solubilizers of Metal Complexes in Supercritical Carbon Dioxide. <i>Organometallics</i> , 2006, 25, 4138-4143.	2.3	34
27	Synthesis of Water-Soluble Palladium Nanoparticles Stabilized by Sulfonated N-Heterocyclic Carbenes. <i>Chemistry - A European Journal</i> , 2017, 23, 13435-13444.	3.3	33
28	Synthesis of Core-Shell PtRu Dendrimer-Encapsulated Nanoparticles. Relevance as Electrocatalysts for CO Oxidation. <i>Journal of Physical Chemistry C</i> , 2011, 115, 1287-1294.	3.1	31
29	Low-Oxidation-State Molybdenum and Tungsten Complexes with Bis( <i>i</i> -5-cyclopentadienyl) Bridges. <i>Organometallics</i> , 1996, 15, 365-369.	2.3	30
30	Phosphido-bridged, heterodi-, heterotri-, and heterotetranuclear complexes of palladium and platinum with transition metals. Crystal structure of [(OC)4Mn( $\mu$ -PPh2)] <sub>2</sub> Pt(PPh3) (Mn-Mn, 2 Mn-Pt). <i>Inorganic Chemistry</i> , 1992, 31, 399-410.	4.0	28
31	Silane dendrimers containing titanium complexes on their periphery. <i>Journal of Organometallic Chemistry</i> , 2000, 602, 208-210.	1.8	27
32	Dimetallic Imido Complexes of Molybdenum and Tungsten with Bridged Bis( <i>i</i> -5-cyclopentadienyl) Ligands. Molecular Structure of [(MoO) <sub>2</sub> ( $\mu$ -4-NtBu) <sub>2</sub> ( $\mu$ -4-( <i>i</i> -5-C5H4)2SiMe2)]. <i>Organometallics</i> , 1996, 15, 2103-2107.	2.3	26
33	Synthesis of Aryloxo Cyclopentadienyl Group 4 Metal-Containing Dendrimers. <i>Organometallics</i> , 2003, 22, 5109-5113.	2.3	24
34	Stereoselective Synthesis of cis and trans Isomers of [(Mo(CO)3Cl) <sub>2</sub> ( $\mu$ - $\eta^5$ -(C5H3(SiMe2)) <sub>2</sub> )]. <i>Organometallics</i> , 1994, 13, 4322-4327.	2.3	23
35	4,4'-Octafluorobiphenylgold(I) complexes. <i>Journal of Organometallic Chemistry</i> , 1984, 263, 121-129.	1.8	22
36	Electrophilic additions to phosphido-bridged palladium- and platinum-transition-metal bonds. Synthesis and crystal structure of the heterotetranuclear cluster [cyclic] [(Cp(OC)2W( $\mu$ -CO)( $\mu$ -PPh2)) <sub>2</sub> (Cp(OC)2W( $\mu$ -AuPPh3)( $\mu$ -PPh2))Pt][PF6].cnddot.2THF (Au-Pt), Tj ETQq000 rgBT / Overlock 1	4.0	22

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37	Carbosilane Dendrons Functionalized at Their Focal Point. <i>European Journal of Inorganic Chemistry</i> , 2005, 2005, 3742-3749.	2.0	22
38	Fractal-Type Palladium Dendrimers Containing Bis(pyrazolyl)methane Ligands. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 141-151.	2.0	22
39	Water-Soluble Mono- and Dimethyl N-Heterocyclic Carbene Platinum(II) Complexes: Synthesis and Reactivity. <i>Organometallics</i> , 2014, 33, 5470-5482.	2.3	22
40	Synthesis and <sup>1</sup> H NMR studies of paramagnetic nickel(II) complexes containing bis(pyrazolyl)methane ligands with dendritic substituents. <i>Dalton Transactions</i> , 2006, , 5379-5389.	3.3	21
41	Crystal Structures of Poly(aryl ether) Dendrons with Palladium Scorpionate Complexes at Their Focal Point. <i>Inorganic Chemistry</i> , 2007, 46, 4793-4795.	4.0	21
42	Synthesis of 2-(N-arylimino- <sup>18</sup> N-methyl)pyrrolide- <sup>18</sup> N complexes of nickel. <i>Journal of Organometallic Chemistry</i> , 2008, 693, 3902-3906.	1.8	21
43	On the Pd-Catalyzed Vinylation of Aryl Halides with Tris(alkoxy)vinylsilanes in Water. <i>Journal of the American Chemical Society</i> , 2009, 131, 4584-4585.	13.7	21
44	Monometallic nickel(II) complexes containing N,N'-iminopyridine chelating ligands with dendritic substituents: The influence of dendrimer topology on the catalytic oligomerization and polymerization of ethylene. <i>Inorganica Chimica Acta</i> , 2014, 409, 156-162.	2.4	20
45	Synthesis and behavior of novel sulfonated water-soluble N-heterocyclic carbene (1,4-diene) platinum(0) complexes. <i>Dalton Transactions</i> , 2015, 44, 18360-18369.	3.3	20
46	Synthesis of water-soluble palladium(II) complexes with N-heterocyclic carbene chelate ligands and their use in the aerobic oxidation of 1-phenylethanol. <i>Dalton Transactions</i> , 2017, 46, 6785-6797.	3.3	20
47	Air-decomposition of [Mo( <sup>1/4</sup> -Br) {C <sub>5</sub> (CH <sub>3</sub> ) <sub>5</sub> }(CH <sub>3</sub> )(NO)] <sub>2</sub> ; crystal structure of [Mo{C <sub>5</sub> (CH <sub>3</sub> ) <sub>5</sub> (O) <sub>2</sub> ]( <sup>1/4</sup> -O). <i>Journal of Organometallic Chemistry</i> , 1988, 353, 191-196.	1.8	18
48	Synthesis of Palladium(II) and Platinum(II) Complexes with Crown Ether Phosphane Ligands: Stille Coupling of Aryl Iodides in Water. <i>European Journal of Inorganic Chemistry</i> , 2005, 2005, 1468-1476.	2.0	18
49	Magnetically recoverable catalysts based on mono- or bis-(NHC) complexes of palladium for the Suzuki-Miyaura reaction in aqueous media: two NHC-Pd linkages are better than one. <i>Dalton Transactions</i> , 2016, 45, 11633-11638.	3.3	18
50	Arylimido niobium(V) complexes: mononuclear and dendritic derivatives. <i>Journal of Organometallic Chemistry</i> , 2002, 664, 258-267.	1.8	17
51	Stereoselective Synthesis of (E)- and (Z)-Triethoxy(vinyl-d <sub>2</sub> )silanes by Hydrosilylation of Acetylene-d <sub>2</sub> . <i>Organometallics</i> , 2011, 30, 352-355.	2.3	17
52	Preparation of monomeric neutral or anionic tris(polyfluorophenyl)thallium(III) and of anionic heteronuclear tris(polyfluorophenyl)thallium-metal carbonyl complexes. <i>Journal of the Chemical Society Dalton Transactions</i> , 1983, , 1127-1130.	1.1	16
53	A study of ortho- and para-siloxyanilines for the synthesis of mono-, bi-, and tetra-nuclear early transition metal-imido complexes. <i>Journal of Organometallic Chemistry</i> , 2000, 610, 42-48.	1.8	16
54	Synthesis of bimetallic complexes of molybdenum containing bis(η <sup>5</sup> -cyclopentadienyl)dimethylsilane or bis(η <sup>5</sup> -tetramethylcyclopentadienyl)dimethylsilane bridges. Crystal structure of [Mo(CO) <sub>3</sub> Cl] <sub>2</sub> ·μ-(η <sup>5</sup> -C <sub>5</sub> H <sub>4</sub> ) <sub>2</sub> SiMe <sub>2</sub> . <i>Organometallics</i> , 1993, 12, 4633-4639.	2.3	15

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55	Ethylene polymerization behavior of monometallic complexes and metallodendrimers based on cyclopentadienyl-aryloxy titanium units. <i>Journal of Organometallic Chemistry</i> , 2005, 690, 4620-4627.	1.8	15
56	Polymetallic Carbosilane Dendrimers Containing $\pi$ -N,N'-iminopyridine Chelating Ligands: Applications in Catalysis. <i>Israel Journal of Chemistry</i> , 2009, 49, 99-108.	2.3	15
57	Highly Recoverable Pd(II) Catalysts for the Mizoroki-Heck Reaction Based on N-Heterocyclic Carbenes and Poly(benzyl ether) Dendrons. <i>Organometallics</i> , 2018, 37, 3598-3610.	2.3	15
58	Dendronized scorpionate complexes of molybdenum in low and high oxidation states. <i>Dalton Transactions</i> , 2007, , 5658.	3.3	13
59	Aqueous-Phase Chemistry of $\eta^3$ -Allylpalladium(II) Complexes with Sulfonated $\pi$ -N-Heterocyclic Carbene Ligands: Solvent Effects in the Protolysis of Pd-C Bonds and Suzuki-Miyaura Reactions. <i>Organometallics</i> , 2017, 36, 4191-4201.	2.3	13
60	Water-soluble platinum nanoparticles stabilized by sulfonated N-heterocyclic carbenes: influence of the synthetic approach. <i>Dalton Transactions</i> , 2018, 47, 4093-4104.	3.3	13
61	Water-soluble NHC-stabilized platinum nanoparticles as recoverable catalysts for hydrogenation in water. <i>Catalysis Science and Technology</i> , 2020, 10, 2874-2881.	4.1	13
62	Delocalization of the unpaired spin density in some niobocene complexes with $\sigma$ -donor, $\pi$ -acceptors. <i>Journal of Organometallic Chemistry</i> , 1994, 470, 127-130.	1.8	12
63	[Bis(pyrazolyl)methane]palladium Complexes with a Carbosilane Dendritic Structure. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 1881-1887.	2.0	12
64	Learning about Steric Effects in NHC Complexes from a 1D Silver Coordination Polymer with Fractal Dendrons. <i>Organometallics</i> , 2014, 33, 600-603.	2.3	12
65	Phosphido-bridged heterodinuclear complexes of CrPd, MoPd, WPd, and MnPd. X-Ray crystal structures of $[\text{Cr}(\text{CO})_2(\text{PCy}_2\text{H})_2]$ and $[(\text{CO})_4(\text{PCy}_2\text{H})_2]$ . <i>Journal of Organometallic Chemistry</i> , 1989, 368, C5-C10.	1.8	11
66	Thermal Transformation of <i>cis</i> - and <i>trans</i> - $[\{\text{Mo}(\text{CO})_3\text{H}\}_2\{\eta^4\text{-}\eta^5\text{-C}_5\text{H}_3(\text{SiMe}_2)_2\text{C}_5\text{H}_3\}]$ into $[\{\text{Mo}(\text{CO})_3\}_2\{\eta^4\text{-}\eta^5\text{-C}_5\text{H}_4(\text{SiMe}_2\text{SiMe}_2)\text{-C}_5\text{H}_4\}](\text{Mo}^{\text{II}}\text{Mo})$ Promoted by Hydride Migration. <i>Inorganic Chemistry</i> , 1996, 35, 3440-3441.	4.0	11
67	Synthesis of polymetallic Group 4 complexes bridged by benzenediolate and triolate ligands. X-ray crystal structure of $[\{\text{Ti}(\text{C}_5\text{Me}_5)\text{Cl}_2\}_2\{\eta^4\text{-}\eta^1,4\text{-O}(2,3\text{-C}_6\text{H}_2\text{Me}_2)\text{O}^-\}]$ . <i>Journal of Organometallic Chemistry</i> , 2003, 681, 228-236.	1.8	11
68	Carbosilane dendrimers containing peripheral cyclopentadienyl niobium- and tantalum-imido complexes. <i>Journal of Organometallic Chemistry</i> , 2006, 691, 3602-3608.	1.8	11
69	Knight Shift in $^{13}\text{C}$ ...NMR Resonances Confirms the Coordination of $\pi$ -N-Heterocyclic Carbene Ligands to Water-Soluble Palladium Nanoparticles. <i>Angewandte Chemie</i> , 2017, 129, 883-887.	2.0	11
70	The metallophosphine $\text{Ph}_2\text{PW}(\text{CO})_3\text{Cp}$ as precursor of the $\text{Ph}_2\text{PW}(\text{CO})_2\text{Cp}$ fragment; its ethylene-like displacement from its complexes with platinum(0). <i>Journal of Organometallic Chemistry</i> , 1989, 365, C19-C22.	1.8	10
71	Synthesis of mono- and dinuclear cyclopentadienyl-aryloxy titanium(IV) complexes. <i>Journal of Organometallic Chemistry</i> , 1999, 592, 265-270.	1.8	10
72	Optimization of the quantitative direct solid total-reflection X-ray fluorescence analysis of glass microspheres functionalized with Zr organometallic compounds. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2010, 65, 450-456.	2.9	10

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73	Poly(benzyl ether) Dendrimers Functionalized at the Core with Palladium Bis( $\eta^5$ -Heterocyclic) Tj ETQq1 1 0.784314 rgBT /Overlo 1304-1314.	4.0	10
74	Synthesis of (pentamethylcyclopentadienyl)nitrosylmolybdenum complexes containing halide, methyl, or cyclopentadienyl ligands. Crystal structures of $[\text{MoMe}(\eta^5\text{-C}_5\text{H}_5)(\eta^5\text{-C}_5\text{Me}_5)(\text{NO})]$ and $[\{\text{Mo}(\eta^5\text{-C}_5\text{Me}_5)\text{O}(\mu\text{-O})\}_2]$ . Journal of the Chemical Society Dalton Transactions, 1990, , 2779-2784.	1.1	9
75	Bimetallic Complexes with Chiral Molybdenum Centers and Bis( $\eta^5$ -cyclopentadienyl) Bridges: Interchange between Legs in Three-Legged Piano Stool Complexes. Organometallics, 1995, 14, 3746-3750.	2.3	9
76	Carbosilane dendrimers containing complexes $\text{N}_2\text{Pt}(\text{pyridylimine})$ of molybdenum and platinum at their periphery. Journal of Organometallic Chemistry, 2008, 693, 278-282.	1.8	9
77	Synthesis of palladium(II) complexes of bidentate phosphano ligands with carbosilane substituents. Journal of Organometallic Chemistry, 2012, 717, 88-98.	1.8	9
78	The synthesis, using hexamethyldialuminium, and reactivity of new ( $\eta^5$ -1-cyclopentadienyl)methyl(nitrosyl)molybdenum complexes. Crystal structure of bromo( $\eta^5$ -cyclopentadienyl)methyl(nitrosyl)(triphenylphosphine)-molybdenum. Journal of the Chemical Society Dalton Transactions, 1988, , 819-825.	1.1	8
79	Palladium(II) complexes of phosphane ligands with ammonium-functionalized carbosilane substituents. Journal of Organometallic Chemistry, 2008, 693, 2147-2152.	1.8	8
80	Bifunctional carbosilane dendrons for the immobilization of zirconocene catalysts on silica. New Journal of Chemistry, 2011, 35, 2203.	2.8	8
81	Synthesis of dicarbonyl and halogeno complexes of ( $\eta^5$ -pentamethyl-cyclopentadienyl)(nitrosyl)-molybdenum and -tungsten. Crystal structure of $[\{\text{Mo}(\eta^5\text{-C}_5\text{Me}_5)(\text{NO})\text{Br}(\mu\text{-Br})\}_2]$ . Journal of the Chemical Society Dalton Transactions, 1990, , 2445-2449.	1.1	7
82	Solvent-Reversible Addition of Alkyne C-H Bonds to Water-Soluble NHC Platinum(0) Complexes. Organometallics, 2017, 36, 2271-2274.	2.3	5
83	Revisiting the synthesis of trans-[Pt(dmsO)2ClMe] and cis-[Pt(dmsO)2Me2]: Experimental and DFT studies. Journal of Organometallic Chemistry, 2019, 896, 108-112.	1.8	5
84	Water-soluble transition-metal complexes with hydrophilic N-heterocyclic carbene ligands for aqueous-phase applications. Advances in Organometallic Chemistry, 2022, , 169-242.	1.0	3
85	Dendrimers with niobium imido complexes. Mononuclear models. Acta Crystallographica Section A: Foundations and Advances, 2002, 58, c330-c330.	0.3	0
86	Nickel(II) carbosilane dendrimers: structure and polymerization catalysis. Acta Crystallographica Section A: Foundations and Advances, 2005, 61, c334-c334.	0.3	0
87	Structural study of dendronized palladium scorpionate complexes. Acta Crystallographica Section A: Foundations and Advances, 2007, 63, s168-s169.	0.3	0
88	Structural studies on Ag(I)N-heterocyclic carbene complexes: from monomers to polymers. Acta Crystallographica Section A: Foundations and Advances, 2008, 64, C405-C405.	0.3	0