

Marta E G Mosquera

List of Publications by Year in descending order

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126
papers

2,024
citations

279798

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docs citations

132
times ranked

1897
citing authors

#	ARTICLE	IF	CITATIONS
1	Rheology of Poly(glycidyl methacrylate) Macromolecular Nano Assemblies. <i>Polymers</i> , 2022, 14, 455.	4.5	3
2	Polymeric ruthenium precursor as a photoactivated antimicrobial agent. <i>Journal of Hazardous Materials</i> , 2021, 402, 123788.	12.4	11
3	Polymerization of terpenes and terpenoids using metal catalysts. <i>Advances in Organometallic Chemistry</i> , 2021, , 55-93.	1.0	5
4	Reversible dehydration-hydration process in stable bismuth-based hybrid perovskites. <i>Journal of Materials Chemistry C</i> , 2021, 9, 11358-11367.	5.5	12
5	Conjugated polymer nanostructures displaying highly photoactivated antimicrobial and antibiofilm functionalities. <i>Journal of Materials Chemistry B</i> , 2021, 9, 4390-4399.	5.8	11
6	Poly(glycidyl methacrylate) macromolecular assemblies as biocompatible nanocarrier for the antimicrobial lysozyme. <i>International Journal of Pharmaceutics</i> , 2021, 603, 120695.	5.2	5
7	Terpenes and Terpenoids: Building Blocks to Produce Biopolymers. <i>Sustainable Chemistry</i> , 2021, 2, 467-492.	4.7	28
8	Catalytic Formation of Cyclic Carbonates using Gallium Aminotrisphenolate Compounds and Comparison to their Aluminium Congeners: A Combined Experimental and Computational Study. <i>ChemCatChem</i> , 2021, 13, 4099-4110.	3.7	14
9	Stereospecific Synthesis of Chiral Titanium Complexes Bearing a Bifunctionalized Cyclopentadienyl-Terpenoid Ligand Derived from \pm -Pinene. <i>Organometallics</i> , 2021, 40, 3076-3086.	2.3	1
10	NHC-CDI Betaine Adducts and Their Cationic Derivatives as Catalyst Precursors for Dichloromethane Valorization. <i>Journal of Organic Chemistry</i> , 2021, 86, 16725-16735.	3.2	4
11	Halogen bonding (HaB) in $E\text{-}X\text{-}M$ systems: influence of the halogen donor on the HaB nature. <i>CrystEngComm</i> , 2020, 22, 870-877.	2.6	9
12	Cyclopentadienyl-silsesquioxane titanium compounds as suitable candidates for immobilization on silica-based supports. <i>Inorganica Chimica Acta</i> , 2020, 501, 119275.	2.4	6
13	Bio-based polyether from limonene oxide catalytic ROP as green polymeric plasticizer for PLA. <i>Polymer</i> , 2020, 210, 123003.	3.8	27
14	Conducting Polymer-Based Nanohybrids for Fuel Cell Application. <i>Polymers</i> , 2020, 12, 2993.	4.5	40
15	Alkali-Metal Compounds with Bio-Based Ligands as Catalysts for Isolelective Lactide Polymerization: Influence of the Catalyst Aggregation on the Polymerization Control. <i>Organometallics</i> , 2020, 39, 2278-2286.	2.3	16
16	MMA Polymerization with Group 4 Alkyl-free 14-electron d ⁰ Species. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 1589-1595.	2.0	3
17	Ring-Opening Polymerization (ROP) of cyclic esters by a versatile aluminum Diphenoxylimine Complex: From polylactide to random copolymers. <i>European Polymer Journal</i> , 2020, 125, 109527.	5.4	23
18	Fluorinated alkali metal catalysts for the Ring-Opening Polymerization (ROP) of rac-lactide. Effect of the M \cdot A \cdot F interactions in the polymerization control. <i>Journal of Organometallic Chemistry</i> , 2019, 898, 120854.	1.8	3

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19	Inorganic chemistry of the p-block elements. Dalton Transactions, 2019, 48, 6666-6668.	3.3	1
20	Heterobimetallic aluminate derivatives with bulky phenoxide ligands: a catalyst for selective vinyl polymerization. Dalton Transactions, 2019, 48, 6435-6444.	3.3	11
21	Intramolecular C–F Activation in Schiff-Base Alkali Metal Complexes. Organometallics, 2019, 38, 894-904.	2.3	13
22	Biodegradable PHB from <i>rac</i> -2-Butyrolactone: Highly Controlled ROP Mediated by a Pentacoordinated Aluminum Complex. Organometallics, 2018, 37, 837-840.	2.3	37
23	A Nonlinear Optically Active Bismuth–Camphorate Coordination Polymer. European Journal of Inorganic Chemistry, 2018, 2018, 2437-2443.	2.0	12
24	Schiff-base <i>ate</i> derivatives with main group metals: generation of a tripodal aluminate metalloligand. Dalton Transactions, 2018, 47, 6499-6506.	3.3	8
25	Aluminum Aryloxy Compounds as Very Active Catalysts for Glycidyl Methacrylate Selective Ring-Opening Polymerization. ChemCatChem, 2018, 10, 936-939.	3.7	15
26	Interaction of an imidazolium-2-amidinate (NHC-CDI) zwitterion with zinc dichloride in dichloromethane: role as ligands and C–Cl activation promoters. Chemical Communications, 2018, 54, 12586-12589.	4.1	11
27	Aluminates with Fluorinated Schiff Bases: Influence of the Alkali Metal–Fluorine Interactions in Structure Stabilization. Molecules, 2018, 23, 3108.	3.8	3
28	Chiral Titanium(IV) Complexes Containing Polydentate Ligands Based on \pm -Pinene. Catalytic Activity in Sulfoxidation with Hydrogen Peroxide. Organometallics, 2018, 37, 3437-3449.	2.3	9
29	Aluminum Alkali Metalate Derivatives: Factors Driving the Final Nuclearity in the Crystal Form. European Journal of Inorganic Chemistry, 2017, 2017, 1994-2001.	2.0	3
30	Suitable Approach to Prepare N-Substituted Niobium Complexes - Study of the Factors Controlling the Process. European Journal of Inorganic Chemistry, 2017, 2017, 1060-1066.	2.0	2
31	Comparison of halogen bonding networks with Ru complexes and analysis of the influence of the XB interactions on their reactivity. Faraday Discussions, 2017, 203, 257-283.	3.2	19
32	The halogen bond in solution: general discussion. Faraday Discussions, 2017, 203, 347-370.	3.2	5
33	Nondissociative Mechanism for the Inversion of the Configuration in Cyclopentadienyl Di(aryloxy)titanium Complexes: An Entropy Discussion. Organometallics, 2017, 36, 3904-3911.	2.3	7
34	An Antibacterial Zn–MOF with Hydrazinebenzoate Linkers. European Journal of Inorganic Chemistry, 2017, 2017, 574-580.	2.0	70
35	Intriguing I ₂ Reduction in the Iodide for Chloride Ligand Substitution at a Ru(II) Complex: Role of Mixed Trihalides in the Redox Mechanism. Inorganic Chemistry, 2016, 55, 283-291.	4.0	25
36	Formation of a unique unsupported hydridic stannate(II). Chemical Communications, 2016, 52, 5993-5996.	4.1	10

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37	Synthesis of novel chiral heterometallic terpene oximates: unusual generation of an aluminium enolate by a cooperative effect. Dalton Transactions, 2016, 45, 10514-10518.	3.3	10
38	Novel enantiopure cyclopentadienyl Ti(IV) oximate compounds as potential anticancer agents. Journal of Inorganic Biochemistry, 2016, 156, 22-34.	3.5	13
39	Implication of halogen bonding in ligand substitution reactions: solid-state studies. Acta Crystallographica Section A: Foundations and Advances, 2015, 71, s121-s122.	0.1	0
40	Comparative Study of Lactide Polymerization with Lithium, Sodium, Potassium, Magnesium, Calcium, and Zinc Azonaphthoxide Complexes. European Journal of Inorganic Chemistry, 2015, 2015, 5124-5132.	2.0	24
41	Metal and Ligand-Substituent Effects in the Immortal Polymerization of <i>rac</i> -Lactide with Li, Na, and K Phenoxo-imine Complexes. Organometallics, 2015, 34, 477-487.	2.3	98
42	Imido-pyridine Ti(<i>iv</i>) compounds: synthesis of unusual imido-amido heterobimetallic derivatives. Dalton Transactions, 2015, 44, 11119-11128.	3.3	4
43	Functionalized aminocarboxylate moieties as linkers for coordination polymers: influence of the substituents in the dimensionality of the final structure. CrystEngComm, 2014, 16, 3376-3386.	2.6	10
44	Heterometallic aluminates: alkali metals trapped by an aluminium aryloxide claw. Dalton Transactions, 2014, 43, 14377-14385.	3.3	19
45	Evaluation of an education and training intervention to reduce health care waste in a tertiary hospital in Spain. American Journal of Infection Control, 2014, 42, 894-897.	2.3	49
46	Synthesis and Structure of Homo- and Heterometallic Lithium-Magnesium Complexes and Their Reactivity in the ROP of <i>rac</i> -Lactide. Organometallics, 2013, 32, 6624-6627.	2.3	41
47	Aminoarenethiolate Aluminum Complexes: Synthesis, Characterization, and Use in L-Lactide Polymerization. Organometallics, 2013, 32, 2618-2624.	2.3	29
48	Remote Aryl Cyanation via Isocyanide-Cyanide Rearrangement on Tosylmethyl Isocyanide Derivatives. Organic Letters, 2013, 15, 3388-3391.	4.6	20
49	Functionalized imido-bridged Ti(<i>iv</i>) complexes as new building blocks for supramolecular arrangements: generation of a 1D structure through a Mg-Cl-C halogen bonding interaction. Dalton Transactions, 2013, 42, 7074.	3.3	19
50	A cascade reaction of azolopyrimidines. Synthesis of unusual indole and azaindole derivatives. Chemical Communications, 2012, 48, 9171.	4.1	12
51	1,3-Double Siloxo-Bridged Zirconium Metallocene for Propene and 1-Hexene Regioselective Oligomerization. Organometallics, 2012, 31, 2108-2111.	2.3	13
52	Olefin Epoxidation Catalyzed by <i>cis</i> -Dioxomolybdenum(VI) Complexes Containing Chiral Alkoxyamino Ligands Derived from (+)- α -Pinene. European Journal of Inorganic Chemistry, 2012, 2012, 2940-2949.	2.0	18
53	Effect of the Nitrogen Substituent on the Reactions of Alane towards Imino- and Aminophenols: Generation of a Dinuclear Aluminoxane. European Journal of Inorganic Chemistry, 2012, 2012, 3611-3617.	2.0	3
54	Cyclopentadienyl-Silsesquioxane Titanium Complexes: Highly Active Catalysts for Epoxidation of Alkenes with Aqueous Hydrogen Peroxide. Inorganic Chemistry, 2012, 51, 6345-6349.	4.0	25

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73	Organotitanoxanes with Unique Structure among Transition-Element Organometallic Oxide Derivatives. <i>Inorganic Chemistry</i> , 2008, 47, 3940-3942.	4.0	11
74	Mercury or silver atoms bridging trinuclear titanium imido-nitrido systems. <i>Chemical Communications</i> , 2008, , 6561.	4.1	11
75	Olefin isomerisation versus hydrozirconation: a case of a stable η^2 -hydrogen-containing Zr-alkyl derivative. <i>Dalton Transactions</i> , 2008, , 2670.	3.3	10
76	Isolobal Zwitterionic Niobium and Tantalum Imido and Zirconium Monocyclopentadienyl Complexes: Theoretical and Methyl Methacrylate Polymerization Studies. <i>Organometallics</i> , 2008, 27, 1417-1426.	2.3	22
77	Cyclopentadienyl-Silyl-Amido versus Imido Niobium Complexes. The Role of Additional Amine Functionalities: A Combined Experimental and Theoretical Study. <i>Organometallics</i> , 2008, 27, 839-849.	2.3	13
78	Controlled Synthesis of Novel Aryloxy Polynuclear Aluminum Species. Study of Their Catalytic Properties in Polymerization Processes. <i>Organometallics</i> , 2008, 27, 2300-2305.	2.3	28
79	D π -A π Charge-Transfer Molecules Based on Tricyanoquinodimethane and Diphosphine Metal Complexes. <i>Inorganic Chemistry</i> , 2008, 47, 5540-5542.	4.0	4
80	Synthesis of N-Heterocyclic Carbene Complexes of Manganese(I) by Coupling Isocyanide Ligands with Propargylamines and Propargylic Alcohols. <i>Organometallics</i> , 2007, 26, 5687-5695.	2.3	77
81	Synthesis, Characterization and Reaction of Niobium and Tantalum Complexes Bearing Metal-Nitrogen Bonds. X-ray Molecular Structure of $[\text{Nb}(\text{C}_5\text{H}_4\text{SiMe}_3)_2\text{NH}(\text{CH}_2)_2\text{NH}_2]\text{Cl}$ and the Novel Tetranuclear Niobium Oxo Derivative $[\{\text{Nb}(\text{C}_5\text{H}_4\text{SiMe}_3)_2\text{Cl}(\eta^4\text{-O})\}_4(\text{Cl})_2(\eta^3\text{-O})]$. <i>Organometallics</i> , 2007, 26, 4243-4251.	2.3	15
82	Allyl Isomerization Mediated by Cyclopentadienyl Group 6 Metal Compounds. <i>Organometallics</i> , 2007, 26, 3831-3839.	2.3	14
83	Reactions of $\text{Sn}(\text{NMe}_2)_2$ with MPHcCy: The Effects of Alkali Metal Phosphide Coupling (Cy=Cyclohexyl; Tj ETQq1 1 0.784314 rgBT /Over 3.3 14	3.3	14
84	Syntheses and structures of the heterometallic complexes $[\{\text{MeIn}(\eta^4\text{-PCy})\}_2(\eta^4\text{-PCy})_2(\text{Li}\cdot\text{Et}_2\text{O})_4]$, $[\text{Me}_2\text{In}(\text{PhMes})_2]\text{Li}(\text{TMEDA})_2$ and $[\text{Me}_2(\text{PHMes})_2\text{In}]\text{K}(\text{PMDETA})_2$ + [Cy=cyclohexyl, Mes=2,4,6-Me ₃ C ₆ H ₂ , TMEDA=(Me ₂ NCH ₂) ₂ , PMDETA=(Me ₂ NCH ₂ CH ₂) ₂ NMe]. <i>Inorganica Chimica Acta</i> , 2007, 360, 1266-1273.	2.4	3
85	Bis(3,5-dimethylpyrazol-1-ato) zirconium complexes as precursors for ethylene polymerisation upon activation with MAO: Syntheses, characterisation and X-ray molecular structure of $[\text{Zr}(\eta^2\text{-3,5-Me}_2\text{Pz})_2\text{Cl}_2(\eta^1\text{-3,5-Me}_2\text{PzH})_2]\text{Ar}$ (3,5-Me ₂ PzH) and $[\text{Zr}(\eta^2\text{-3,5-Me}_2\text{Pz})_2(\text{CH}_2\text{Ph})_2]$ (3,5-Me ₂ Pz=3,5-dimethylpyrazol-1-ato). <i>Polyhedron</i> , 2007, 26, 5339-5348.	2.2	14
86	Synthesis of the Cation Complex $[\text{TaCp}^*\text{Me}_3]^+$ and a Comparison of Its Reactivity with That of $[\text{TaCp}^*\text{Me}_4]$. <i>Organometallics</i> , 2006, 25, 2331-2336.	2.3	15
87	High Structural Control in Metal-Mediated Synthesis of New Functionalized Diphosphines Using Diphosphinoketenimines as Precursors. <i>Chemistry - A European Journal</i> , 2006, 12, 7706-7716.	3.3	6
88	Evidence of Fluoride Transfer from the Anion of $[\text{Zr}\{\text{C}_5\text{H}_3[\text{SiMe}_2(\eta^1\text{-NtBu})_2]\}_2]^+$ [RB(C ₆ F ₅) ₃] ⁻ Complexes to the Zirconocenium Cation. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 7572-7574.	13.8	11
89	η^2 -Iminoacyl and η^2 -Acyl Monocyclopentadienyl Tantalum Complexes Bearing Oxo and Oxo-Borane Ligands. <i>European Journal of Inorganic Chemistry</i> , 2006, 2006, 127-132.	2.0	23
90	Aryl-imido niobium complexes with chloro-silyl and aryl- η^1 -amidosilyl cyclopentadienyl ligands: X-ray structure of the constrained-geometry compound $[\text{Nb}(\eta^5\text{-C}_5\text{H}_4\text{SiMe}_2\eta^1\text{-NAr})(\text{NAr})\text{Cl}]$ (Ar=2,6-Me ₂ C ₆ H ₃). <i>Polyhedron</i> , 2005, 24, 1274-1279.	2.2	15

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91	Imidazoline-Functionalized Diphosphines: Models for N-Heterocyclic Carbene-Diphosphinocarbene Coupling. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 102-105.	13.8	19
92	Carbon Dioxide Activation Assisted by a Bis(chlorodimethylsilyl)cyclopentadienyl Titanium Compound. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 5828-5830.	13.8	18
93	Imidazoline-Functionalized Diphosphines: Models for N-Heterocyclic Carbene-Diphosphinocarbene Coupling. <i>Angewandte Chemie</i> , 2005, 117, 104-107.	2.0	3
94	Cyclopentadienyl-Silyl-Amido Niobium Complexes Prepared by a Transmetalation Reaction Using $\text{Ti}(\text{SiMe}_2\text{N}(\text{CH}_2)_2\text{NR})_2\text{Cl}_2$. <i>Organometallics</i> , 2005, 24, 5853-5857.	2.3	11
95	Insertion Reactions into the Metal-Alkyl and Metal-Amido Bonds of 1,3-Di(silyl-amido)cyclopentadienyl Titanium and Zirconium Complexes. <i>Organometallics</i> , 2005, 24, 2424-2432.	2.3	37
96	Generation of N-Heterocyclic Carbenes by Metal-Mediated Coupling of Propargylamine and Isocyanides. <i>Journal of the American Chemical Society</i> , 2005, 127, 8584-8585.	13.7	68
97	Group 4 metallocene complexes with non-bridged and tetramethylsiloxane-bridged methyl-phenyl-cyclopentadienyl ligands: synthesis, characterization and olefin polymerization studies. <i>Journal of Organometallic Chemistry</i> , 2004, 689, 4395-4406.	1.8	2
98	Molybdenum Amido Complexes with Single Mo-N Bonds: Synthesis, Structure, and Reactivity. <i>Chemistry - A European Journal</i> , 2003, 9, 4132-4143.	3.3	22
99	Trapping Highly Electrophilic Metalladiphosphanylcarbenes. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 4767-4771.	13.8	32
100	Synthesis and structure of $[\{\text{Sn}(\text{PCy})_3\}_3(\text{Na}^+\text{PMDTA})_2]^{2-}$, containing an electron-deficient $[\{\text{Sn}(\text{PCy})_3\}_3]^{2-}$ dianion. <i>Chemical Communications</i> , 2003, , 1288-1289.	4.1	18
101	Applications of manganocene in the synthesis of Mn(ii) amide and imide cages. <i>Dalton Transactions</i> , 2003, , 3002.	3.3	27
102	Nucleophilic addition to a Sn(ii) imido cubane, $[\text{SnNR}]_4$; a new route to heteroleptic stannates. <i>Dalton Transactions RSC</i> , 2002, , 3525-3528.	2.3	3
103	Syntheses and magnetic properties of hexanuclear $[\text{Cp}_2\text{Mn}_3(\text{L}_1)_4]_2$ and octanuclear $[\text{Mn}_8(\text{L}_2)_{12}(\text{O})_2]$ ($\text{L}_1 = 2\text{-HNC}_5\text{H}_5\text{N}$, $\text{L}_2 = 2\text{-NH-3-Br-5-MeC}_5\text{H}_3\text{N}$, $\text{Cp} = \text{C}_5\text{H}_5$). <i>Chemical Communications</i> , 2002, , 2980-2981.	4.1	33
104	Effects of meta-substitution on aggregation in the cubanes $[\text{SnNR}]_4$ { $\text{R} = [2\text{-Me-5-MeOC}_6\text{H}_3]$, $[2,5\text{-(MeO)}_2\text{C}_6\text{H}_3]$ and $[3,5\text{-(MeO)}_2\text{C}_6\text{H}_3]$. <i>Dalton Transactions RSC</i> , 2002, , 1046-1050.	2.3	4
105	Synthesis and structure of $[\text{Sn}_9(\text{Ndmp})_7(\text{HNdmp})_2\text{O}_2]$, containing a bidentate double-cubane oxo		

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109	Stabilisation of unusual metal co-ordination geometries using an oxo-cubane ligand; syntheses and structures of $[\{Sn_4(NtBu)_3O\}_3LiCl] \cdot 3thf$ and $[\{Sn_4(NtBu)_3O\}_3FeCl_2] \cdot 3thf$. Dalton Transactions RSC, 2000, , 487-490.	2.3	1
110	Complexes of Ruthenium(II) with Unsymmetrical Diphosphines and Diphosphinomethanides. A Way to Synthesize Chiral Metallodiphosphines. Organometallics, 2000, 19, 5533-5536.	2.3	5
111	A synthetic and structural study of the formation of cyclic $[(RP)_nE]^-$ anions and Zintl compounds using $E(NMe_2)_3$ ($E = As, Sb$). Dalton Transactions RSC, 2000, , 479-486.	2.3	36
112	A leaving group strategy for the selective functionalisation of an imido Sn(II) cubane. Journal of the Chemical Society Dalton Transactions, 1999, , 1043-1044.	1.1	0
113	The hydrogen bonded polymer structures of $[\{Mn(2-mbiH)2 \cdot TMEDA\}_n]^{2+}$ $[2-mbiH_2 = 2-mercaptobenzimidazole; A = TMEDA (Me_2NCH_2CH_2NMe_2)$ or DABCO ($N\{CH_2CH_2\}_3N$)]. New Journal of Chemistry, 1999, 23, 1033-1039.	2.8	7
114	Structural Control in the Formation of Multidecker Sandwich Anions of Plumbocene: The Effects of Encapsulating the Alkali Metal Counterions. Organometallics, 1999, 18, 1148-1153.	2.3	25
115	Heterometallic Complexes of Sn(II). Phosphorus, Sulfur and Silicon and the Related Elements, 1999, 150, 107-116.	1.6	0

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