

Cristina Tejel

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	From Platinum Blues to Rhodium and Iridium Blues. <i>Chemistry - A European Journal</i> , 1999, 5, 1131-1135.	3.3	68
2	A Hexanuclear Iridium Chain. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 529-532.	13.8	66
3	Ligand-Centred Reactivity of Bis(picoyl)amine Iridium: Sequential Deprotonation, Oxidation and Oxygenation of a π -Noninnocent-Ligand. <i>Chemistry - A European Journal</i> , 2009, 15, 11878-11889.	3.3	60
4	Deprotonation Induced Ligand-to-Metal Electron Transfer: Synthesis of a Mixed-Valence Rh(I,II) Dinuclear Compound and Its Reaction with Dioxygen. <i>Journal of the American Chemical Society</i> , 2008, 130, 5844-5845.	13.7	58
5	Binuclear [(cod)(Cl)Ir(bpi)Ir(cod)] ⁺ for Catalytic Water Oxidation. <i>Organometallics</i> , 2011, 30, 372-374.	2.3	58
6	Rhodium wires based on binuclear acetate-bridged complexes. <i>Inorganic Chemistry Communication</i> , 2001, 4, 19-22.	3.9	56
7	Synthesis and properties of rhodium(I) chloranilate and 2,5-dihydroxy-1,4-benzoquinonate complexes. Crystal structures of the binuclear [Rh ₂ (μ -CA)(cod) ₂] and tetranuclear [Rh ₄ (μ -CA) ₂ (cod) ₄] complexes (CA = chloranilate anion). <i>Inorganic Chemistry</i> , 1993, 32, 1147-1152.	4.0	50
8	Dynamic Behavior, Redistribution Reactions, and Intermetallic Distances of Dinuclear Bis(η^4 -pyrazolato)rhodium(I) Complexes. <i>Organometallics</i> , 1996, 15, 2967-2978.	2.3	48
9	Rhodium and Iridium Pyrazolato Blues. <i>Angewandte Chemie - International Edition</i> , 1998, 37, 1542-1545.	13.8	47
10	Ligand Oxidation of a Deprotonated Bis(picoyl)amine Ir ^I (cod) Complex. <i>Chemistry - A European Journal</i> , 2008, 14, 10932-10936.	3.3	47
11	Stereospecific Carbene Polymerization with Oxygenated Rh(diene) Species. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 5157-5161.	13.8	47
12	Discrete Mixed-Valence Metal Chains: Iridium Pyridonate Blues The generous financial support from DGES and MCyT-PNI (Projects PB98-641 and BQU2000-1170) is gratefully acknowledged. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 4084.	13.8	44
13	Rhodium(III)-Catalyzed Dimerization of Aldehydes to Esters. <i>Chemistry - A European Journal</i> , 2011, 17, 91-95.	3.3	44
14	Metal Basicity of Dirhodium and Diiridium Complexes Induced by Isocyanide Ligands. Model for the Oxidative-Addition Reaction of Methyl Iodide with Dinuclear Complexes. <i>Organometallics</i> , 1997, 16, 45-53.	2.3	39
15	Terminal Phosphanido Rhodium Complexes Mediating Catalytic $\text{P}=\text{C}$ and $\text{P}=\text{C}$ Bond Formation. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 472-475.	13.8	39
16	Dimetallic Dioxygen Activation Leading to a Doubly Oxygen-Bridged Dirhodium Complex. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 3267-3271.	13.8	38
17	Discrete Iridium Pyridonate Chains with Variable Metal Valence: Nature and Energetics of the Ir ^{II} /Ir ^{III} Bonding from DFT Calculations. <i>Inorganic Chemistry</i> , 2005, 44, 6536-6544.	4.0	36
18	Catalysis and Organometallic Chemistry of Rhodium and Iridium in the Oxidation of Organic Substrates. , 2006, , 97-124.		35

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19	Stabilization of the Hydroperoxido Ligand: A $1\lambda^2\text{-O}, 2\lambda^2\text{-O}$ μ^2 Dimetallic Coordination Mode. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 2093-2096.	13.8	35
20	Selective Hydrogenation of Cinnamaldehyde and Other λ^1, λ^2 -Unsaturated Substrates Catalyzed by Rhodium and Ruthenium Complexes. <i>Organometallics</i> , 2009, 28, 3193-3202.	2.3	35
21	1,2,4-Triazolate (tz) complexes of rhodium(I), iridium(I), and palladium(II). Crystal structure of $[\text{Rh}_3(\mu_3\text{-tz})(\mu\text{-Cl})\text{Cl}(\text{i-4-tfbb})(\text{CO})_4] \cdot 0.5\text{CH}_2\text{Cl}_2$ (tfbb = tetrafluorobenzobarrelene), a trinuclear complex with extended metal-metal interactions. <i>Journal of the Chemical Society Dalton Transactions</i> , 1986, , 1087-1094.	1.1	34
22	New Perspective on the Formation and Reactivity of Metal-Metal-Bonded Dinuclear Rhodium and Iridium Complexes. <i>Organometallics</i> , 1997, 16, 4718-4727.	2.3	34
23	Terminal Imido Rhodium Complexes. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 5614-5618.	13.8	33
24	Bimetallic Reactivity of Dirhodium Compounds Leading to Functionalized Methylene-Bridged Compounds. <i>Organometallics</i> , 2001, 20, 1676-1682.	2.3	30
25	Crescent-Shaped Rhodium(I) Complexes with Bis(o-carboxymethylphenyl)triazenide. <i>Inorganic Chemistry</i> , 2004, 43, 4719-4726.	4.0	30
26	Oxidative-Addition of Organic Monochloro Derivatives to Dinuclear Iridium Complexes: The Detection of Tautomeric Equilibria and Their Implications on the Reactivity. <i>Organometallics</i> , 2000, 19, 4977-4984.	2.3	29
27	Oxidative-Addition of Organic Monochloro Derivatives to Dinuclear Rhodium Complexes: Mechanistic Considerations. <i>Organometallics</i> , 2000, 19, 4968-4976.	2.3	29
28	From Olefins to Ketones via a $2\lambda^2\text{-Rh}$ oxetane Complex. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 2502-2505.	13.8	29
29	Oxidative-Addition Reactions of Diiodine to Dinuclear Rhodium Pyrazolate Complexes. <i>Inorganic Chemistry</i> , 1999, 38, 1108-1117.	4.0	27
30	Reversible C-H Bond Activation of a Bifunctional Phosphine Bridging Ligand across Two Unbonded Metal Centers. <i>Organometallics</i> , 2000, 19, 3115-3119.	2.3	27
31	Trinuclear pyrazolate complexes. Crystal structure of $[(\text{OC})_2\text{Rh}(\mu\text{-pz})_2\text{Pd}(\mu\text{-pz})_2\text{Rh}(\text{CO})_2]$. <i>Journal of the Chemical Society Dalton Transactions</i> , 1989, , 1133-1138.	1.1	26
32	Structures, Reactivity, and Catalytic Activity of Dithiolato-Bridged Heterobimetallic MRh (M = Pt, Pd) Complexes. <i>Organometallics</i> , 2002, 21, 2609-2618.	2.3	26
33	Unprecedented Hybrid Scorpionate/Phosphine Ligand Able To Be Anchored to Carbosilane Dendrimers. <i>Inorganic Chemistry</i> , 2005, 44, 9122-9124.	4.0	26
34	One-Electron versus Two-Electron Mechanisms in the Oxidative Addition Reactions of Chloroalkanes to Amido-Bridged Rhodium Complexes. <i>Chemistry - A European Journal</i> , 2007, 13, 2044-2053.	3.3	26
35	Dinuclear Rhodium and Iridium Complexes with Mixed Amido/Methoxo and Amido/Hydroxo Bridges. <i>Inorganic Chemistry</i> , 2002, 41, 2348-2355.	4.0	25
36	Structural and Dynamic Studies on Amido-Bridged Rhodium and Iridium Complexes. <i>Chemistry - A European Journal</i> , 2002, 8, 3128.	3.3	25

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37	Protonation Reactions of Dinuclear Pyrazolato Iridium(I) Complexes. <i>Inorganic Chemistry</i> , 2003, 42, 4750-4758.	4.0	25
38	Cooperative Double Deprotonation of Bis(2-picoyl)amine Leading to Unexpected Bimetallic Mixed Valence (M^{I}, M^{II}) Rhodium and Iridium Complexes. <i>Inorganic Chemistry</i> , 2011, 50, 7524-7534.	4.0	25
39	N-Substituted imidazole derivatives of rhodium(I) and iridium(I) with and without metal-metal interaction. Crystal structure of cis-(CO) ₂ RhCl(N-methylimidazole). <i>Journal of Organometallic Chemistry</i> , 1989, 369, 253-265.	1.8	23
40	Stepwise Construction of Polynuclear Complexes of Rhodium and Iridium Assisted by Benzimidazole-2-thiol. NMR and X-ray Diffraction Studies. <i>Inorganic Chemistry</i> , 1996, 35, 4360-4368.	4.0	23
41	Unusual Tautomers in Dinuclear Metal Chemistry and Their Role in Oxidative-Addition Reactions of Chlorocarbons. <i>Organometallics</i> , 1998, 17, 1449-1451.	2.3	23
42	Reactions of Phosphine Ligands with Iridium Complexes Leading to C(sp ³)-H Bond Activation. <i>Organometallics</i> , 2005, 24, 1105-1111.	2.3	23
43	Developing Synthetic Approaches with Non-Innocent Metalloligands: Easy Access to Ir ^I /Pd ⁰ and Ir ^I /Pd ⁰ /Ir ^I Cores. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 8839-8843.	13.8	23
44	Tetrazolate rhodium(I) complexes. Crystal structures of the trinuclear complexes [Rh ₃ (μ -ttz)(μ -Cl)Cl(cod) ₂ (CO) ₂] (ttz = tetrazolate, cod = cyclo-octa-1,5-diene) and [Rh ₃ (μ -ttz)(μ -Cl)Cl(CO) ₆], an unusual example of metal-metal interactions. <i>Journal of the Chemical Society Dalton Transactions</i> , 1988, , 1927-1933.	1.1	21
45	Degradation and Oxidation of 1,1,1-Trichloroethane-Mediated Rhodium Compounds. A New Entry in the Synthesis of Bridging Vinylidene and η -1-Chlorovinyl Complexes. <i>Organometallics</i> , 1994, 13, 4153-4155.	2.3	21
46	Novel Neutral and Anionic Rhodium Complexes Containing Imido Ligands. <i>Angewandte Chemie International Edition in English</i> , 1996, 35, 633-634.	4.4	21
47	Formation of a Bridging-Imido d ⁶ Rhodium Compound by Nitrene Capture. Insertion and Cycloaddition Reactions. <i>Inorganic Chemistry</i> , 2008, 47, 10220-10222.	4.0	21
48	A Way to Novel Heterometallic Raft-like Clusters from Neutral Precursors. <i>Journal of the American Chemical Society</i> , 1997, 119, 6678-6679.	13.7	20
49	Mixed-bridged bimetallic d ⁸ complexes. Crystal and molecular structure of (η -3-C ₃ H ₅)Pd(η -1-pz)(η -1-N ₃)Rh(CO) ₂ , heterobinuclear complex with extended Rh-Rh interactions. <i>Inorganica Chimica Acta</i> , 1987, 128, 75-80.	2.4	19
50	Hydrogen Bonding and Isomerism Arising from the Coordination Modes of Bridging Benzimidazole-2-thiolate Ligands in Tetranuclear Rhodium Complexes. <i>Inorganic Chemistry</i> , 1998, 37, 3954-3963.	4.0	19
51	A Hexanuclear Iridium Chain. <i>Angewandte Chemie</i> , 2003, 115, 547-550.	2.0	19
52	Benzotriazole and benzotriazolate complexes of rhodium(I). <i>Journal of Organometallic Chemistry</i> , 1985, 280, 261-267.	1.8	17
53	SUq(2) quantum group analysis of rotational spectra of diatomic molecules. <i>Journal of Chemical Physics</i> , 1992, 96, 5614-5617.	3.0	17
54	N-substituted imidazole derivatives of rhodium(I) and iridium(I). Crystal structure of the head-to-head dinuclear compound [Ir ₂ (η -N-benzylimidazolato-N ₃ ,C ₂) ₂ (CO) ₄]. <i>Journal of Organometallic Chemistry</i> , 1994, 465, 267-274.	1.8	17

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55	Heteronuclear Rhodium, Palladium, Platinum, and Gold Organoimido Complexes from Dinuclear Organoamido Rhodium Precursors. <i>Chemistry - A European Journal</i> , 2004, 10, 708-715.	3.3	17
56	Easy Access to Hydride Chemistry on a Tripodal P-Based Rhodium Scaffold. <i>Organometallics</i> , 2012, 31, 2895-2906.	2.3	16
57	μ -3-Allyl rhodium complexes with azolate ligands. Crystal structures of the trinuclear 1,2,4-triazolate (tz) complexes $[\text{Rh}_3(\mu\text{-tz})_3(\mu\text{-C}_3\text{H}_5)_6]$ and $[\text{Rh}_3(\mu\text{-tz})_3(\mu\text{-Cl})\text{Cl}(\mu\text{-C}_3\text{H}_5)_2(\text{CO})_4] \cdot 0.5\text{C}_2\text{H}_4\text{Cl}_2$. <i>Journal of the Chemical Society Dalton Transactions</i> , 1986, , 2193-2200.	1.1	15
58	Synthesis of trinuclear complexes with mixed bridging ligands. X-Ray structure of $[\text{Pd}\{\text{Rh}(\mu\text{-pz})(\mu\text{-SBut})(\text{CO})_2\}_2](\text{pz} = \text{pyrazolate})$. <i>Journal of the Chemical Society Dalton Transactions</i> , 1991, , 2807-2810.	1.1	15
59	Reversible Formation of Raftlike Organoimidotetrahodium Clusters by the Migration of RhLn^+ Fragments. <i>Angewandte Chemie International Edition in English</i> , 1996, 35, 1516-1518.	4.4	15
60	Coordination Features of a Hybrid Scorpionate/Phosphane Ligand Exemplified with Iridium. <i>Chemistry - A European Journal</i> , 2008, 14, 1897-1905.	3.3	15
61	Snapshots of a Reversible Metal-Ligand Two-Electron Transfer Step Involving Compounds Related by Multiple Types of Isomerism. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 512-519.	2.0	15
62	Rhodium, iridium and gold complexes of the short-bite ligand 1-benzyl-2-imidazolylidiphenylphosphine. <i>Inorganica Chimica Acta</i> , 2003, 347, 129-136.	2.4	14
63	Connecting C μ -C Bonds to Tetrairidium Chains. <i>Chemistry - A European Journal</i> , 2013, 19, 4707-4711.	3.3	14
64	Detangling Catalyst Modification Reactions from the Oxygen Evolution Reaction by Online Mass Spectrometry. <i>ACS Catalysis</i> , 2016, 6, 7872-7875.	11.2	14
65	Weak intermetallic bonding in unusual trinuclear complexes: crystal structure of $[\text{Rh}_3(\mu\text{-tz})_3(\mu\text{-Cl})\text{Cl}(\mu\text{-tfb})(\text{CO})_4] \cdot \frac{1}{2}\text{CH}_2\text{Cl}_2$ and $[\text{Rh}_3(\mu\text{-tz})_3(\mu\text{-Cl})\text{Cl}(\mu\text{-C}_3\text{H}_5)_2(\text{CO})_4] \cdot \frac{1}{2}\text{C}_2\text{H}_4\text{Cl}_2$ ($\mu\text{-tfb} = \text{Tj} \text{ETQq} 1 \text{ 1 0 78}$). <i>Journal of the Chemical Society Chemical Communications</i> , 1984, , 1687-1688.	2.0	13
66	Tetra- and tri-nuclear rhodium-palladium complexes with the 1,2,4-triazolate ligand. Crystal structure of $(\mu\text{-C}_3\text{H}_5)_2\text{Pd}_2\text{Rh}_2(\mu\text{-tz})_2\text{Cl}_2(\text{CO})_4$. <i>Inorganica Chimica Acta</i> , 1985, 100, L5-L6.	2.4	13
67	The influence of various azolate bridging ligands on the catalytic activity of dinuclear rhodium(I) precursors in the hydroformylation reaction. <i>Journal of Molecular Catalysis</i> , 1987, 43, 1-6.	1.2	13
68	Rhodium Complexes in P^{\sim}H Bond Activation Reactions. <i>Chemistry - A European Journal</i> , 2019, 25, 15915-15928.	3.3	13
69	Neuartige neutrale und anionische Rhodium-Komplexe mit Imidoliganden. <i>Angewandte Chemie</i> , 1996, 108, 707-709.	2.0	12
70	Rhodium Mediated C-H Bond Functionalisation Leading to Carboxylate Derivatives. <i>Chemistry - A European Journal</i> , 2010, 16, 11261-11265.	3.3	12
71	Rhodium and Iridium Complexes with a New Scorpionate Phosphane Ligand. <i>Inorganic Chemistry</i> , 2013, 52, 7593-7607.	4.0	12
72	Terminal Imido Rhodium Complexes. <i>Angewandte Chemie</i> , 2014, 126, 5720-5724.	2.0	12

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73	Peripheral SH-functionalisation of carbosilane dendrimers including the synthesis of the model compound dimethylbis(propanethiol)silane and their interaction with rhodium complexes. Dalton Transactions, 2005, , 3092.	3.3	11
74	Reactivity of Me ϵ pm Rh ^I and Ir ^I Complexes upon Deprotonation and Their Application in Catalytic Carbene Carbonylation Reactions. European Journal of Inorganic Chemistry, 2016, 2016, 963-974.	2.0	11
75	Rhodium Complexes in C ϵ C Bond Formation: Key Role of a Hydrido Ligand. Journal of the American Chemical Society, 2021, 143, 349-358.	13.7	11
76	Intervalent Bis(1/4aziridinato)M ^{II} M ^I Complexes (M=Rh, Ir): Delocalized Metallo Radicals or Delocalized Aminyl Radicals?. Chemistry - A European Journal, 2008, 14, 10985-10998.	3.3	10
77	Metal-insulator transition and metallic conductivity reentrance in the new organic metal (NHMe ₃) [Ni(dmit) ₂] \cdot high field magneto resistance. Synthetic Metals, 1991, 42, 2507-2510.	3.9	9
78	Bi-edge condensation of imido rhodium clusters leading to novel planar hexametallic structures. Chemical Communications, 1999, , 2387-2388.	4.1	9
79	Pseudotetrahedral Rhodium(I) Complexes. Chemistry - A European Journal, 2014, 20, 2732-2736.	3.3	9
80	Nucleophilicity and C ϵ C Bond Formation Reactions of a Terminal Phosphanido Iridium Complex. Inorganic Chemistry, 2016, 55, 828-839.	4.0	9
81	Rhodium Complexes Promoting C ϵ O Bond Formation in Reactions with Oxygen: The Role of Superoxo Species. Chemistry - A European Journal, 2017, 23, 5232-5243.	3.3	9
82	Activating a Peroxo Ligand for C ϵ O Bond Formation. Angewandte Chemie - International Edition, 2019, 58, 3037-3041.	13.8	9
83	Original behaviour of the resistivity and high field magnetoresistance in the new organic metal (NHMe ₃) [Ni(dmit) ₂] ₂ . Solid State Communications, 1990, 74, 91-95.	1.9	8
84	Analysis of Ion Pairing in Solid State and Solution in <i>p</i> -Cymene Ruthenium Complexes. Inorganic Chemistry, 2020, 59, 14171-14183.	4.0	8
85	Reversible Bildung eines Organoimido tetra rhodium Clusters mit flo ϵ rtiger Struktur durch Wanderung eines Rh _n ⁺ Komplexfragmentes. Angewandte Chemie, 1996, 108, 1614-1616.	2.0	7
86	The (NH ₄) ₃ [Rh(C ₆ Cl ₂ O ₄)(CO) ₂] complex: an example of the adverse counterion influence in the formation of metallic stacks. Inorganic Chemistry Communication, 1999, 2, 414-418.	3.9	7
87	Aerobic Oxidation of Carbon Monoxide in a Tetrametallic Complex. Chemistry - A European Journal, 2012, 18, 15250-15253.	3.3	7
88	Pseudo tetrahedral Rhodium and Iridium Complexes: Catalytic Synthesis of <i>E</i> -Enynes. Chemistry - A European Journal, 2018, 24, 17545-17556.	3.3	7
89	Inner Sphere Oxygen Activation Promoting Outer Sphere Nucleophilic Attack on Olefins. Chemistry - A European Journal, 2019, 25, 14546-14554.	3.3	7
90	Rhodium-Rhodium Bonds in Edge-Sharing Coplanar Dinuclear Complexes. Angewandte Chemie - International Edition, 2000, 39, 2336-2339.	13.8	6

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91	Three-coordinate Rhodium Complexes in Low Oxidation States. <i>Chemistry - A European Journal</i> , 2020, 26, 3270-3274.	3.3	6
92	Agostic versus Terminal Ethyl Rhodium Complexes: A Combined Experimental and Theoretical Study. <i>Organometallics</i> , 2016, 35, 799-808.	2.3	5
93	Recent developments in the chemistry and physics of the $(\text{NH}_2)_x\text{Ni}(\text{dmit})_2$ series. <i>Synthetic Metals</i> , 1991, 42, 2268.	3.9	4
94	Organo-phosphanide and -phosphinidene complexes of Groups 8-11. <i>Advances in Organometallic Chemistry</i> , 2022, , 243-330.	1.0	3
95	Activating a Peroxo Ligand for C=O Bond Formation. <i>Angewandte Chemie</i> , 2019, 131, 3069-3073.	2.0	2
96	Rhodium-Rhodium Bonds in Edge-Sharing Coplanar Dinuclear Complexes. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 2336-2339.	13.8	1
97	Frontispiece: Rhodium Complexes Promoting C=O Bond Formation in Reactions with Oxygen: The Role of Superoxo Species. <i>Chemistry - A European Journal</i> , 2017, 23, .	3.3	0