

# Cristina Tejel

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8763316/publications.pdf>

Version: 2024-02-01

97  
papers

2,312  
citations

201674

27  
h-index

302126

39  
g-index

108  
all docs

108  
docs citations

108  
times ranked

1556  
citing authors

#	ARTICLE	IF	CITATIONS
1	Organo-phosphanide and -phosphinidene complexes of Groups 8–11. <i>Advances in Organometallic Chemistry</i> , 2022, , 243-330.	1.0	3
2	Rhodium Complexes in P–C Bond Formation: Key Role of a Hydrido Ligand. <i>Journal of the American Chemical Society</i> , 2021, 143, 349-358.	13.7	11
3	Analysis of Ion Pairing in Solid State and Solution in <i>p</i> -Cymene Ruthenium Complexes. <i>Inorganic Chemistry</i> , 2020, 59, 14171-14183.	4.0	8
4	Three-coordinate Rhodium Complexes in Low Oxidation States. <i>Chemistry - A European Journal</i> , 2020, 26, 3270-3274.	3.3	6
5	Inner-sphere Oxygen Activation Promoting Outer-sphere Nucleophilic Attack on Olefins. <i>Chemistry - A European Journal</i> , 2019, 25, 14546-14554.	3.3	7
6	Rhodium Complexes in P–H Bond Activation Reactions. <i>Chemistry - A European Journal</i> , 2019, 25, 15915-15928.	3.3	13
7	Activating a Peroxo Ligand for C–O Bond Formation. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 3037-3041.	13.8	9
8	Activating a Peroxo Ligand for C–O Bond Formation. <i>Angewandte Chemie</i> , 2019, 131, 3069-3073.	2.0	2
9	Pseudo-tetrahedral Rhodium and Iridium Complexes: Catalytic Synthesis of <i>E</i> -Enynes. <i>Chemistry - A European Journal</i> , 2018, 24, 17545-17556.	3.3	7
10	Rhodium Complexes Promoting C–O Bond Formation in Reactions with Oxygen: The Role of Superoxo Species. <i>Chemistry - A European Journal</i> , 2017, 23, 5232-5243.	3.3	9
11	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
12	Agostic versus Terminal Ethyl Rhodium Complexes: A Combined Experimental and Theoretical Study. <i>Organometallics</i> , 2016, 35, 799-808.	2.3	5
13	Detangling Catalyst Modification Reactions from the Oxygen Evolution Reaction by Online Mass Spectrometry. <i>ACS Catalysis</i> , 2016, 6, 7872-7875.	11.2	14
14	Reactivity of Me– $\rho$ ma Rh <sup>I</sup> and Ir <sup>I</sup> Complexes upon Deprotonation and Their Application in Catalytic Carbene Carbonylation Reactions. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 963-974.	2.0	11
15	Nucleophilicity and P–C Bond Formation Reactions of a Terminal Phosphanido Iridium Complex. <i>Inorganic Chemistry</i> , 2016, 55, 828-839.	4.0	9
16	Terminal Phosphanido Rhodium Complexes Mediating Catalytic P–P and P–C Bond Formation. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 472-475.	13.8	39
17	Pseudotetrahedral Rhodium(I) Complexes. <i>Chemistry - A European Journal</i> , 2014, 20, 2732-2736.	3.3	9
18	Terminal Imido Rhodium Complexes. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 5614-5618.	13.8	33

#	ARTICLE	IF	CITATIONS
19	Terminal Imido Rhodium Complexes. <i>Angewandte Chemie</i> , 2014, 126, 5720-5724.	2.0	12
20	Connecting C≡C Bonds to Tetrairidium Chains. <i>Chemistry - A European Journal</i> , 2013, 19, 4707-4711.	3.3	14
21	Rhodium and Iridium Complexes with a New Scorpionate Phosphane Ligand. <i>Inorganic Chemistry</i> , 2013, 52, 7593-7607.	4.0	12
22	Aerobic Oxidation of Carbon Monoxide in a Tetrametallic Complex. <i>Chemistry - A European Journal</i> , 2012, 18, 15250-15253.	3.3	7
23	Easy Access to Hydride Chemistry on a Tripodal P-Based Rhodium Scaffold. <i>Organometallics</i> , 2012, 31, 2895-2906.	2.3	16
24	Stereospecific Carbene Polymerization with Oxygenated Rh(diene) Species. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 5157-5161.	13.8	47
25	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
26	Cooperative Double Deprotonation of Bis(2-picoyl)amine Leading to Unexpected Bimetallic Mixed Valence (M <sup>+</sup> , M <sup>+</sup> ) Rhodium and Iridium Complexes. <i>Inorganic Chemistry</i> , 2011, 50, 7524-7534.	4.0	25
27	Binuclear [(cod)(Cl)Ir(bpi)Ir(cod)] <sup>+</sup> for Catalytic Water Oxidation. <i>Organometallics</i> , 2011, 30, 372-374.	2.3	58
28	Developing Synthetic Approaches with Non-Innocent Metalloligands: Easy Access to Ir <sup>+</sup> /Pd <sup>0</sup> and Ir <sup>+</sup> /Pd <sup>0</sup> /Ir <sup>+</sup> Cores. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 8839-8843.	13.8	23
29	Rhodium(III)-Catalyzed Dimerization of Aldehydes to Esters. <i>Chemistry - A European Journal</i> , 2011, 17, 91-95.	3.3	44
30	Rhodium Mediated C≡H Bond Functionalisation Leading to Carboxylate Derivatives. <i>Chemistry - A European Journal</i> , 2010, 16, 11261-11265.	3.3	12
31	Ligand-Centred Reactivity of Bis(picoyl)amine Iridium: Sequential Deprotonation, Oxidation and Oxygenation of a Non-Innocent Ligand. <i>Chemistry - A European Journal</i> , 2009, 15, 11878-11889.	3.3	60
32	Selective Hydrogenation of Cinnamaldehyde and Other $\alpha,\beta$ -Unsaturated Substrates Catalyzed by Rhodium and Ruthenium Complexes. <i>Organometallics</i> , 2009, 28, 3193-3202.	2.3	35
33	Coordination Features of a Hybrid Scorpionate/Phosphane Ligand Exemplified with Iridium. <i>Chemistry - A European Journal</i> , 2008, 14, 1897-1905.	3.3	15
34	Ligand Oxidation of a Deprotonated Bis(picoyl)amine Ir <sup>+</sup> (cod) Complex. <i>Chemistry - A European Journal</i> , 2008, 14, 10932-10936.	3.3	47
35	Intervalent Bis( $\eta^4$ -aziridinato)M <sup>+</sup> $\eta^2$ M <sup>+</sup> Complexes (M=Rh, Ir): Delocalized Metallo-Radicals or Delocalized Aminyl Radicals?. <i>Chemistry - A European Journal</i> , 2008, 14, 10985-10998.	3.3	10
36	Stabilization of the Hydroperoxido Ligand: A $\eta^2$ , $\eta^2$ Dimetallic Coordination Mode. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 2093-2096.	13.8	35

#	ARTICLE	IF	CITATIONS
37	From Olefins to Ketones via a $\rho$ -Rhodaoxetane Complex. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 2502-2505.	13.8	29
38	Formation of a Bridging-Imido $\rho$ -Rhodium Compound by Nitrene Capture. Insertion and Cycloaddition Reactions. <i>Inorganic Chemistry</i> , 2008, 47, 10220-10222.	4.0	21
39	Deprotonation Induced Ligand-to-Metal Electron Transfer: Synthesis of a Mixed-Valence Rh( $\rho$ ), Ir Dinuclear Compound and Its Reaction with Dioxigen. <i>Journal of the American Chemical Society</i> , 2008, 130, 5844-5845.	13.7	58
40	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
41	Catalysis and Organometallic Chemistry of Rhodium and Iridium in the Oxidation of Organic Substrates. , 2006, , 97-124.		35
42	Dimetallic Dioxigen Activation Leading to a Doubly Oxygen-Bridged Dirhodium Complex. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 3267-3271.	13.8	38
43	Discrete Iridium Pyridonate Chains with Variable Metal Valence: Nature and Energetics of the Ir $\rho$ -Ir Bonding from DFT Calculations. <i>Inorganic Chemistry</i> , 2005, 44, 6536-6544.	4.0	36
44	Peripheral SH-functionalisation of carbosilane dendrimers including the synthesis of the model compound dimethylbis(propanethiol)silane and their interaction with rhodium complexes. <i>Dalton Transactions</i> , 2005, , 3092.	3.3	11
45	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
46	Unprecedented Hybrid Scorpionate/Phosphine Ligand Able To Be Anchored to Carbosilane Dendrimers. <i>Inorganic Chemistry</i> , 2005, 44, 9122-9124.	4.0	26
47	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
48	Crescent-Shaped Rhodium(I) Complexes with Bis(o-carboxymethylphenyl)triazene. <i>Inorganic Chemistry</i> , 2004, 43, 4719-4726.	4.0	30
49	A Hexanuclear Iridium Chain. <i>Angewandte Chemie</i> , 2003, 115, 547-550.	2.0	19
50	A Hexanuclear Iridium Chain. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 529-532.	13.8	66
51	Rhodium, iridium and gold complexes of the short-bite ligand 1-benzyl-2-imidazolyl-diphenylphosphine. <i>Inorganica Chimica Acta</i> , 2003, 347, 129-136.	2.4	14
52	Protonation Reactions of Dinuclear Pyrazolato Iridium(I) Complexes. <i>Inorganic Chemistry</i> , 2003, 42, 4750-4758.	4.0	25
53	Dinuclear Rhodium and Iridium Complexes with Mixed Amido/Methoxo and Amido/Hydroxo Bridges. <i>Inorganic Chemistry</i> , 2002, 41, 2348-2355.	4.0	25
54	Structures, Reactivity, and Catalytic Activity of Dithiolato-Bridged Heterobimetallic MRh (M = Pt, Pd) Complexes. <i>Organometallics</i> , 2002, 21, 2609-2618.	2.3	26

#	ARTICLE	IF	CITATIONS
55	Structural and Dynamic Studies on Amido-Bridged Rhodium and Iridium Complexes. <i>Chemistry - A European Journal</i> , 2002, 8, 3128.	3.3	25
56	Bimetallic Reactivity of Dirhodium Compounds Leading to Functionalized Methylene-Bridged Compounds. <i>Organometallics</i> , 2001, 20, 1676-1682.	2.3	30
57	Rhodium wires based on binuclear acetate-bridged complexes. <i>Inorganic Chemistry Communication</i> , 2001, 4, 19-22.	3.9	56
58	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
59	Rhodium-Rhodium Bonds in Edge-Sharing Coplanar Dinuclear Complexes. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 2336-2339.	13.8	6
60	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
61	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
62	Oxidative-Addition of Organic Monochloro Derivatives to Dinuclear Rhodium Complexes: Mechanistic Considerations. <i>Organometallics</i> , 2000, 19, 4968-4976.	2.3	29
63	Rhodium-Rhodium Bonds in Edge-Sharing Coplanar Dinuclear Complexes. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 2336-2339.	13.8	1
64	The (NHEt <sub>3</sub> )[Rh(C <sub>6</sub> Cl <sub>2</sub> O <sub>4</sub> )(CO) <sub>2</sub> ] complex: an example of the adverse counterion influence in the formation of metallic stacks. <i>Inorganic Chemistry Communication</i> , 1999, 2, 414-418.	3.9	7
65	From Platinum Blues to Rhodium and Iridium Blues. <i>Chemistry - A European Journal</i> , 1999, 5, 1131-1135.	3.3	68
66	Bi-edge condensation of imido-rhodium clusters leading to novel planar hexametallic structures. <i>Chemical Communications</i> , 1999, , 2387-2388.	4.1	9
67	Oxidative-Addition Reactions of Diiodine to Dinuclear Rhodium Pyrazolate Complexes. <i>Inorganic Chemistry</i> , 1999, 38, 1108-1117.	4.0	27
68	Rhodium and Iridium Pyrazolato Blues. <i>Angewandte Chemie - International Edition</i> , 1998, 37, 1542-1545.	13.8	47
69	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
70	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
71	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
72	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

#	ARTICLE	IF	CITATIONS
73	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
74	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
75	Dynamic Behavior, Redistribution Reactions, and Intermetallic Distances of Dinuclear Bis( $\eta^1$ -pyrazolato)rhodium(I) Complexes. <i>Organometallics</i> , 1996, 15, 2967-2978.	2.3	48
76	Neuartige neutrale und anionische Rhodium-Komplexe mit Imidoliganden. <i>Angewandte Chemie</i> , 1996, 108, 707-709.	2.0	12
77	Reversible Bildung eines Organoimido-tetrahodidium-Clusters mit floÄrtiger Struktur durch Wanderung eines Rh <sub>n</sub> -Komplexfragmentes. <i>Angewandte Chemie</i> , 1996, 108, 1614-1616.	2.0	7
78	Novel Neutral and Anionic Rhodium Complexes Containing Imido Ligands. <i>Angewandte Chemie International Edition in English</i> , 1996, 35, 633-634.	4.4	21
79	Reversible Formation of Raftlike Organoimidotetrahodidium Clusters by the Migration of Rh <sub>n</sub> + Fragments. <i>Angewandte Chemie International Edition in English</i> , 1996, 35, 1516-1518.	4.4	15
80	N-substituted imidazole derivatives of rhodium(I) and iridium(I). Crystal structure of the head-to-head dinuclear compound [Ir <sub>2</sub> ( $\eta^1$ -N-benzylimidazolato-N <sub>3</sub> ,C <sub>2</sub> ) <sub>2</sub> (CO) <sub>4</sub> ]. <i>Journal of Organometallic Chemistry</i> , 1994, 465, 267-274.	1.8	17
81	Degradation and Oxidation of 1,1,1-Trichloroethane-Mediated Rhodium Compounds. A New Entry in the Synthesis of Bridging Vinylidene and $\eta^1$ -1-Chlorovinyl Complexes. <i>Organometallics</i> , 1994, 13, 4153-4155.	2.3	21
82	Synthesis and properties of rhodium(I) chloranilate and 2,5-dihydroxy-1,4-benzoquinonate complexes. Crystal structures of the binuclear [Rh <sub>2</sub> ( $\mu$ -CA)(cod) <sub>2</sub> ] and tetranuclear [Rh <sub>4</sub> ( $\mu$ -CA) <sub>2</sub> (cod) <sub>4</sub> ] complexes (CA = chloranilate anion). <i>Inorganic Chemistry</i> , 1993, 32, 1147-1152.	4.0	50
83	SUq(2) quantum group analysis of rotational spectra of diatomic molecules. <i>Journal of Chemical Physics</i> , 1992, 96, 5614-5617.	3.0	17
84	Metal-insulator transition and metallic conductivity reentrance in the new organic metal (NHMe <sub>3</sub> ) [Ni(dmit) <sub>2</sub> ] <sub>2</sub> · high field magneto resistance. <i>Synthetic Metals</i> , 1991, 42, 2507-2510.	3.9	9
85	Synthesis of trinuclear complexes with mixed bridging ligands. X-Ray structure of [Pd{Rh( $\mu$ -pz)( $\mu$ -SBut)(CO) <sub>2</sub> } <sub>2</sub> ](pz = pyrazolate). <i>Journal of the Chemical Society Dalton Transactions</i> , 1991, , 2807-2810.	1.1	15
86	Recent developments in the chemistry and physics of the (NH <sub>4</sub> ) <sub>x</sub> [Ni(dmit) <sub>2</sub> ] series. <i>Synthetic Metals</i> , 1991, 42, 2268.	3.9	4
87	Original behaviour of the resistivity and high field magnetoresistance in the new organic metal (NHMe <sub>3</sub> ) [Ni(dmit) <sub>2</sub> ] <sub>2</sub> . <i>Solid State Communications</i> , 1990, 74, 91-95.	1.9	8
88	N-Substituted imidazole derivatives of rhodium(I) and iridium(I) with and without metal-metal interaction. Crystal structure of cis-(CO) <sub>2</sub> RhCl(N-methylimidazole). <i>Journal of Organometallic Chemistry</i> , 1989, 369, 253-265.	1.8	23
89	Trinuclear pyrazolate complexes. Crystal structure of [(OC) <sub>2</sub> Rh( $\mu$ -pz) <sub>2</sub> Pd( $\mu$ -pz) <sub>2</sub> Rh(CO) <sub>2</sub> ]. <i>Journal of the Chemical Society Dalton Transactions</i> , 1989, , 1133-1138.	1.1	26
90	Tetrazolate rhodium(I) complexes. Crystal structures of the trinuclear complexes [Rh <sub>3</sub> ( $\mu$ <sub>3</sub> -ttz)( $\mu$ -Cl)Cl(cod) <sub>2</sub> (CO) <sub>2</sub> ](ttz = tetrazolate, cod = cyclo-octa-1,5-diene) and [Rh <sub>3</sub> ( $\mu$ <sub>3</sub> -ttz)( $\mu$ -Cl)Cl(CO) <sub>6</sub> ], an unusual example of metal-metal interactions. <i>Journal of the Chemical Society Dalton Transactions</i> , 1988, , 1927-1933.	1.1	21

#	ARTICLE	IF	CITATIONS
91	Mixed-bridged bimetallic d8 complexes. Crystal and molecular structure of $(\eta^3\text{-C}_3\text{H}_5)_2\text{Pd}(\eta^1\text{-pz})(\eta^1\text{-N}_3)\text{Rh}(\text{CO})_2$ , heterobinuclear complex with extended Rh $\cdots$ Rh interactions. <i>Inorganica Chimica Acta</i> , 1987, 128, 75-80.	2.4	19
92	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
93	$\eta^3$ -Allyl rhodium complexes with azolate ligands. Crystal structures of the trinuclear 1,2,4-triazolate (tz) complexes $[\text{Rh}_3(\mu\text{-tz})_3(\eta^3\text{-C}_3\text{H}_5)_6]$ and $[\text{Rh}_3(\mu\text{-tz})(\mu\text{-Cl})\text{Cl}(\eta^3\text{-C}_3\text{H}_5)_2(\text{CO})_4] \cdot 0.5\text{C}_2\text{H}_4\text{Cl}_2$ . <i>Journal of the Chemical Society Dalton Transactions</i> , 1986, , 2193-2200.	1.1	15
94	1,2,4-Triazolate (tz) complexes of rhodium(I), iridium(I), and palladium(II). Crystal structure of $[\text{Rh}_3(\mu\text{-tz})(\mu\text{-Cl})\text{Cl}(\eta^4\text{-tfbb})(\text{CO})_4] \cdot 0.5\text{C}_2\text{H}_4\text{Cl}_2$ (tfbb = tetrafluorobenzobarrelene), a trinuclear complex with extended metal $\cdots$ metal interactions. <i>Journal of the Chemical Society Dalton Transactions</i> , 1986, , 1087-1094.	1.1	34
95	Tetra- and tri-nuclear rhodium-palladium complexes with the 1,2,4-triazolate ligand. Crystal structure of $(\eta^3\text{-C}_3\text{H}_5)_2\text{Pd}_2\text{Rh}_2(\eta^3\text{-tz})_2\text{Cl}_2(\text{CO})_4$ . <i>Inorganica Chimica Acta</i> , 1985, 100, L5-L6.	2.4	13
96	Benzotriazole and benzotriazolate complexes of rhodium(I). <i>Journal of Organometallic Chemistry</i> , 1985, 280, 261-267.	1.8	17
97	Weak intermetallic bonding in unusual trinuclear complexes: crystal structure of $[\text{Rh}_3(\mu\text{-tz})(\mu\text{-Cl})\text{Cl}(\eta^4\text{-tfb})(\text{CO})_4] \cdot \frac{1}{2}\text{C}_2\text{H}_4\text{Cl}_2$ and $[\text{Rh}_3(\mu\text{-tz})(\mu\text{-Cl})\text{Cl}(\eta^3\text{-C}_3\text{H}_5)_2(\text{CO})_4] \cdot \frac{1}{2}\text{C}_2\text{H}_4\text{Cl}_2$ ( $\eta^3\text{-C}_3\text{H}_5$ = Tj). <i>Journal of the Chemical Society Chemical Communications</i> , 1984, , 1687-1688.	2.0	13