

Antonio J Martinez-Martinez

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Inverse Isotope Effects in Single-Crystal to Single-Crystal Reactivity and the Isolation of a Rhodium Cyclooctane η^8 -Alkane Complex. <i>Organometallics</i> , 2022, 41, 284-292.	1.1	6
2	Organotelluroxane molecular clusters assembled via Te^{X} ($\text{X} = \text{Cl}$,) <i>ETQq000rgBT /Overlock</i> 3318-3321.	2.2	6
3	<i>Ortho</i> -aryl substituted DPEphos ligands: rhodium complexes featuring C-H anagostic interactions and B-H agostic bonds. <i>Chemical Science</i> , 2021, 12, 8832-8843.	3.7	7
4	η^2 -Alkene Complexes of $[\text{Rh}(\text{PONOP-Pr})(\text{L})]^+$ Cations (L = COD, NBD,) <i>ETQq000rgBT /Overlock</i> $[\text{Rh}(\text{PONOP-Pr})(\eta^2\text{-H})]^+$. <i>Inorganic Chemistry</i> , 2021, 60, 13903-13912.	1.9	11
5	A Series of Crystallographically Characterized Linear and Branched η^1 -Alkane Complexes of Rhodium: From Propane to 3-Methylpentane. <i>Journal of the American Chemical Society</i> , 2021, 143, 5106-5120.	6.6	16
6	Chalcogen Bonding Ion-Pair Cryptand Host Discrimination of Potassium Halide Salts. <i>Chemistry - A European Journal</i> , 2021, 27, 7837-7841.	1.7	23
7	Solid/Gas Reactivity of Organometallic Species in Confined Spaces. <i>Monographs in Supramolecular Chemistry</i> , 2021, , 282-321.	0.2	0
8	Solid-State Molecular Organometallic Catalysis in Gas/Solid Flow (Flow-SMOM) as Demonstrated by Efficient Room Temperature and Pressure 1-Butene Isomerization. <i>ACS Catalysis</i> , 2020, 10, 1984-1992.	5.5	15
9	η^1 -alkane complex: A Structurally Characterized Cobalt(I) η^1 -Alkane Complex (<i>Angew. Chem.</i> 15/2020). <i>Angewandte Chemie</i> , 2020, 132, 6349-6349.	1.6	0
10	$\text{Si}^{\text{C}}(\text{sp}^3)$ bond activation through oxidative addition at a Rh(sp^i) centre. <i>Dalton Transactions</i> , 2020, 49, 5416-5419.	1.6	4
11	Tolerant to air η^1 -alkane complexes by surface modification of single crystalline solid-state molecular organometallics using vapour-phase cationic polymerisation: SMOM@polymer. <i>Chemical Communications</i> , 2020, 56, 4328-4331.	2.2	7
12	Structural and metal-halogen exchange reactivity studies of sodium magnesiate biphenolate complexes. <i>Dalton Transactions</i> , 2020, 49, 5257-5263.	1.6	9
13	A Structurally Characterized Cobalt(I) η^1 -Alkane Complex. <i>Angewandte Chemie</i> , 2020, 132, 6236-6240.	1.6	3
14	A Structurally Characterized Cobalt(I) η^1 -Alkane Complex. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 6177-6181.	7.2	25
15	Selective mono- and dimetallation of a group 3 sandwich complex. <i>Chemical Communications</i> , 2019, 55, 9677-9680.	2.2	4
16	A Potent Halogen-Bonding Donor Motif for Anion Recognition and Anion Template Mechanical Bond Synthesis. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 13823-13827.	7.2	63
17	A Potent Halogen-Bonding Donor Motif for Anion Recognition and Anion Template Mechanical Bond Synthesis. <i>Angewandte Chemie</i> , 2019, 131, 13961-13965.	1.6	24
18	Reversible Encapsulation of Xenon and CH_2Cl_2 in a Solid-State Molecular Organometallic Framework (Guest@SMOM). <i>Angewandte Chemie - International Edition</i> , 2019, 58, 16873-16877.	7.2	15

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19	Reversible Encapsulation of Xenon and CH ₂ Cl ₂ in a Solid-State Molecular Organometallic Framework (Guest@SMOM). <i>Angewandte Chemie</i> , 2019, 131, 17029-17033.	1.6	1
20	Room Temperature Acceptorless Alkane Dehydrogenation from Molecular σ -Alkane Complexes. <i>Journal of the American Chemical Society</i> , 2019, 141, 11700-11712.	6.6	37
21	A $10\text{-}Ag(\text{amine})\text{-borane } \sigma\text{-complex}$ and comparison with a $d^8\text{-Rh}(\text{amine})\text{-borane}$ analogue: structures on the $1\text{-} to 2\text{-}I\text{-}2\text{-}$ continuum. <i>Dalton Transactions</i> , 2019, 48, 9776-9781.	1.6	12
22	The [Rh(Xantphos)] ⁺ catalyzed hydroboration of diphenylacetylene using trimethylamine-borane. <i>Inorganica Chimica Acta</i> , 2019, 491, 9-13.	1.2	7
23	Solvent-free anhydrous Li ⁺ , Na ⁺ and K ⁺ salts of [B(3,5-(CF ₃) ₂ C ₆ H ₃) ₄] ⁻ , [BArF ₄] ⁻ . Improved synthesis and solid-state structures. <i>Dalton Transactions</i> , 2019, 48, 3551-3554.	1.6	35
24	The role of neutral Rh(PONOP)H, free NMe ₂ H, boronium and ammonium salts in the dehydrocoupling of dimethylamine-borane using the cationic pincer [Rh(PONOP)(I ₂ H ₂)] ⁺ catalyst. <i>Dalton Transactions</i> , 2019, 48, 14724-14736.	1.6	27
25	Modulation of σ -Alkane Interactions in [Rh(L ₂)(alkane)] ⁺ Solid-State Molecular Organometallic (SMOM) Systems by Variation of the Chelating Phosphine and Alkane: Access to $1\text{-}2\text{-}$, $1\text{-}2\text{-}$ - σ -Alkane Rh(I), $1\text{-}1\text{-}$ - σ -Alkane Rh(III) Complexes, and Alkane Encapsulation. <i>Journal of the American Chemical Society</i> , 2018, 140, 14958-14970.	6.6	34
26	Controlling Structure and Reactivity in Cationic Solid-State Molecular Organometallic Systems Using Anion Templating. <i>Organometallics</i> , 2018, 37, 3524-3532.	1.1	14
27	Exploring the solid state and solution structural chemistry of the utility amide potassium hexamethyldisilazide (KHMDS). <i>Dalton Transactions</i> , 2017, 46, 6392-6403.	1.6	20
28	Monodentate coordination of the normally chelating chiral diamine (R,R)-TMEDA. <i>Chemical Communications</i> , 2017, 53, 324-327.	2.2	8
29	Solid-state molecular organometallic chemistry. Single-crystal to single-crystal reactivity and catalysis with light hydrocarbon substrates. <i>Chemical Science</i> , 2017, 8, 6014-6029.	3.7	44
30	Templated deprotonative metalation of polyaryl systems: Facile access to simple, previously inaccessible multi-iodoarenes. <i>Science Advances</i> , 2017, 3, e1700832.	4.7	23
31	Structural Studies of Cesium, Lithium/Cesium, and Sodium/Cesium Bis(trimethylsilyl)amide (HMDS) Complexes. <i>Inorganic Chemistry</i> , 2016, 55, 5719-5728.	1.9	43
32	Lithium, Sodium, and Potassium Magnesiates Chemistry. <i>Advances in Organometallic Chemistry</i> , 2016, 1-46.	0.5	14
33	Revealing the remarkable structural diversity of the alkali metal transfer agents of the trans-calix[2]benzene[2]pyrrolide ligand. <i>Chemical Communications</i> , 2016, 52, 12199-12201.	2.2	2
34	Alkali-Metal-Mediated Magnesiations of an N -Heterocyclic Carbene: Normal, Abnormal, and α -Paranormal Reactivity in a Single Tritopic Molecule. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 14075-14079.	7.2	36
35	Synthetic and Structural Studies of Mixed Sodium Bis(trimethylsilyl)amide/Sodium Halide Aggregates in the Presence of $1\text{-}2\text{-}$, $1\text{-}1\text{-}$, $1\text{-}2\text{-}$, $1\text{-}1\text{-}$, $1\text{-}2\text{-}$, $1\text{-}1\text{-}$, and $1\text{-}4\text{-}$ -Donor Ligands. <i>Inorganic Chemistry</i> , 2015, 54, 9833-9844.	1.9	20
36	Directed ortho-meta ²⁻ and meta-meta ²⁻ dimetalations: A template base approach to deprotonation. <i>Science</i> , 2014, 346, 834-837.	6.0	173

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37	Dehydromethylation of alkali metal salts of the utility amide 2,2,6,6-tetramethylpiperidide (TMP). <i>Chemical Communications</i> , 2014, 50, 10588.	2.2	10
38	Pre-inverse-crowns: synthetic, structural and reactivity studies of alkali metal magnesiates primed for inverse crown formation. <i>Chemical Science</i> , 2014, 5, 771-781.	3.7	64
39	Structural elucidation of homometallic anthracenolates synthesised via deprotonative metallation of anthrone. <i>Dalton Transactions</i> , 2013, 42, 2512-2519.	1.6	3
40	Synthesis and Reactivity of $[\text{PdCl}_2\{\text{C}_6\text{H}_4\text{N}(\text{C}_6\text{H}_4\text{H}_4\text{C}(\text{NHXy})\text{NH}_2)_2\}]$ and Neutral Palladium 1,2-Dihydroquinazolinium-4-yl Complexes: Depalladation Reactions. <i>Organometallics</i> , 2012, 31, 2697-2708.	1.1	5
41	Synthesis of Palladium(II), -(III), and -(IV) Complexes with Acyclic Diaminocarbene Ligands. <i>Organometallics</i> , 2012, 31, 3711-3719.	1.1	36
42	Synthesis, crystal structure and VT-NMR study of cis- $[\text{PdCl}_2(\text{CNC}_6\text{H}_3\text{Me}_2-2,6)(\text{PPh}_3)]$. <i>Inorganica Chimica Acta</i> , 2012, 382, 203-206.	1.2	4
43	About the intermediacy of 1,2-dihydroquinazolinium salts in the FriedlÄnder-Borsche synthesis of quinolinium salts in acidic medium. <i>Tetrahedron Letters</i> , 2011, 52, 6298-6302.	0.7	2
44	Mono-, Di-, and Trinuclear Palladium(II) Complexes Containing a Ligand with One, Two, or Three 1,2-Dihydroquinazolinium-4-yl Groups. <i>Organometallics</i> , 2011, 30, 2425-2431.	1.1	3
45	Synthesis of a family of 3-alkyl- or 3-aryl-substituted 1,2-dihydroquinazolinium salts and their isomerization to 4-iminium-1,2,3,4-tetrahydroquinolines. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 2279.	1.5	11
46	Crystal Structures of the 1,2-Dihydroquinazolinium-4-yl Pd(II) Complexes $[\text{Pd}\{\text{C}=\text{N}(\text{Xy})\text{CH}(\text{R})\text{NHC}_6\text{H}_4-2\}(\text{CNXy})_2]\text{OTf}$ ($\text{R}=\text{Me}$, CH_2 , $\text{C}_6\text{H}_4\text{Me}-4$) and of the 2-Iminoaryl Pd(II) Complex $[\text{Pd}(\text{C}_6\text{H}_4\{\text{N}=\text{C}(\text{H})\text{C}_6\text{H}_4\text{Me}-4\}-2)(2,2\text{-bipyridine})]$. <i>Journal of Chemical Crystallography</i> , 2011, 41, 1961-1967.	0.5	1
47	Reactivity of ortho- $\text{C}=\text{N}$ -Enaminone-phenyl Palladium Complexes. Insertion of CO into the Pd^{\sim}C Bond to Give the First Acyl C,N,O-Pincer Complexes. Sequential Insertion of Dimethylacetylenedicarboxylate into the Enaminone C^{\sim}H Bond and of Isocyanide into the Pd^{\sim}C Bond. A New Photooxygenation/Cyclization Process. <i>Organometallics</i> , 2010, 29, 5693-5707.	1.1	22
48	2-(Aminomethyl)phenyl Complexes of Au(III), Mixed Au(III)/Ag(I), and Pd(II) with the 2,2-Diacetyl-1,1-Ethylenedithiolato Ligand: Dancing of Palladacycles around a Juggler Ligand. <i>Inorganic Chemistry</i> , 2010, 49, 8099-8111.	1.9	2
49	Synthesis of 1,2-Dihydroquinazolinium-4-yl Palladium Complexes through a Cyclization Reaction. <i>Organometallics</i> , 2009, 28, 5915-5924.	1.1	17
50	New Palladacycles Containing Terdentate $[\text{C},\text{N},\text{O}]n^-$ ($n = 0, 1, 2$) or Tetrudentate $[\text{N},\text{C},\text{O},\text{N}]n^-$ ($n = 1, 2$) Ligands. The First 1,2-Dihydroquinazolinium-4-yl Complexes. <i>Organometallics</i> , 2008, 27, 3254-3271.	1.1	37
51	(SP-4-2)-(4,4-Di-tert-butyl-2,2-bipyridine- N,N -diiodidopalladium(II)). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007, 63, m2758-m2758.	0.2	2
52	Dancing of Palladacycles around a Juggler-2,2-Diacetyl-1,1-Ethylenedithiolato Ligand in a Trinuclear Pd(II) Complex. <i>Inorganic Chemistry</i> , 2006, 45, 10434-10436.	1.9	4