

Celedonio M Alvarez

List of Publications by Year in descending order

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| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Synthesis and Structure of a Dimetallated Buckybowl: Coordination of One{Cp*Ru} ⁺ Unit to Each Side of Corannulene. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 4497-4500. | 13.8 | 69 |
| 2 | Flattening of a Curved-Surface Buckybowl (Corannulene) by η^6 Coordination to {Cp*Ru} ⁺ . <i>Organometallics</i> , 2005, 24, 4543-4552. | 2.3 | 66 |
| 3 | η^6 -Corannulene Buckybowl Complexes of Iridium, Including Ring-to-Ring Migration. <i>Organometallics</i> , 2003, 22, 624-626. | 2.3 | 59 |
| 4 | Cationic fac-tris(pyrazole) complexes as anion receptors. <i>Chemical Communications</i> , 2005, , 546-548. | 4.1 | 54 |
| 5 | Enhanced association for C ₇₀ over C ₆₀ with a metal complex with corannulene derivate ligands. <i>Dalton Transactions</i> , 2014, 43, 15693-15696. | 3.3 | 49 |
| 6 | A Triply Bonded Dimolybdenum Hydride Complex with Acid, Base and Radical Activity. <i>Organometallics</i> , 2005, 24, 7-9. | 2.3 | 48 |
| 7 | Pyridine-2-carboxaldehyde as ligand: Synthesis and derivatization of carbonyl complexes. <i>Dalton Transactions</i> , 2007, , 3546. | 3.3 | 46 |
| 8 | Carbonyl complexes of manganese, rhenium and molybdenum with 2-pyridylimino acid ligands. <i>Journal of Organometallic Chemistry</i> , 2007, 692, 5717-5726. | 1.8 | 39 |
| 9 | Beyond click chemistry: spontaneous C-triazolyl transfer from copper to rhenium and transformation into mesoionic C-triazolylidene carbene. <i>Chemical Communications</i> , 2012, 48, 7209. | 4.1 | 37 |
| 10 | High-Yield Synthesis and Reactivity of Stable Diiron Complexes with Bent-Phosphinidene Bridges. <i>Organometallics</i> , 2005, 24, 5503-5505. | 2.3 | 36 |
| 11 | Diphenylphosphide-Bridged Diiron Derivatives of [Fe ₂ (η^5 -C ₅ H ₅) ₂ ($\eta^1/4$ -H)($\eta^1/4$ -PPh ₂)(CO) ₂]. <i>Organometallics</i> , 2004, 23, 4750-4758. | 2.3 | 30 |
| 12 | Reactivity of the Unsaturated Hydride [Mo ₂ (η^5 -C ₅ H ₅) ₂ ($\eta^1/4$ -H)($\eta^1/4$ -PCy ₂)(CO) ₂] toward 17- and 16-Electron Metal Carbonyl Fragments: A Rational Synthesis of Electron-Deficient Heterometallic Clusters. <i>Organometallics</i> , 2007, 26, 321-331. | 2.3 | 29 |
| 13 | Proton induced P-H and Mo-H bond activation at the phosphide bridged dimolybdenum complexes [Mo ₂ Cp ₂ (μ -H)(μ -PHR)(CO) ₄] (R = Cy, 2,4,6-C ₆ H ₂ R ₃ ; R ₂ = H, Me, tBu). <i>Dalton Transactions</i> , 2004, , 4168-4179. | 2.3 | 27 |
| 14 | Assembling Nonplanar Polyaromatic Units by Click Chemistry. Study of Multicorannulene Systems as Host for Fullerenes. <i>Organic Letters</i> , 2015, 17, 2578-2581. | 4.6 | 27 |
| 15 | Formation and Cleavage of C-C, C-O, and O-H Bonds Involving Methoxycarbyne and Hydroxycarbyne Ligands at Unsaturated Dimolybdenum Complexes. <i>Organometallics</i> , 2005, 24, 4122-4124. | 2.3 | 26 |
| 16 | Iminopyridine Complexes of Manganese, Rhenium, and Molybdenum Derived from Amino Ester Methylserine and Peptides Gly-Gly, Gly-Val, and Gly-Gly-Gly: Self-Assembly of the Peptide Chains. <i>Inorganic Chemistry</i> , 2012, 51, 2984-2996. | 4.0 | 25 |
| 17 | pH-driven dynamic stereoinduction: epimerization upon dimerization in rhenium(i) complexes. <i>Chemical Communications</i> , 2011, 47, 12765. | 4.1 | 24 |
| 18 | Affinity modulation of photoresponsive hosts for fullerenes: light-gated corannulene tweezers. <i>Chemical Communications</i> , 2016, 52, 12964-12967. | 4.1 | 24 |

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|----|--|-----|-----------|
| 19 | Oxidative Additions of Coordinated Ligands at Unsaturated Molybdenum and Tungsten Diphosphine-Bridged Carbonyl Dimers. 3. Decarbonylation Reactions of $[\text{MoW}(\eta\text{-5-C}_5\text{H}_5)_2(\text{CO})_4(\eta\text{-}^1\text{-Ph}_2\text{PCH}_2\text{PPh}_2)]$. <i>Organometallics</i> , 1997, 16, 1378-1383. | 2.3 | 23 |
| 20 | Oxidative Additions of Coordinated Ligands at Unsaturated Molybdenum and Tungsten Diphosphine-Bridged Carbonyl Dimers. 4. Decarbonylation Reactions of $[\text{M}_2(\eta\text{-5-C}_5\text{H}_5)_2(\text{CO})_4\{\eta\text{-}^1\text{-}(\text{EtO})_2\text{POP}(\text{OEt})_2\}]$ (M = Mo, W). <i>Organometallics</i> , 1997, 16, 2581-2589. | 2.3 | 23 |
| 21 | Synthesis of a Tetracorannulene-perylene-diimide That Acts as a Selective Receptor for C_{60} over C_{70} . <i>Organic Letters</i> , 2019, 21, 5803-5807. | 4.6 | 23 |
| 22 | $\text{P}=\text{C}$ and $\text{C}=\text{H}$ Bond Cleavages in the Photochemical Reactions of $[\text{Fe}_2(\eta\text{-5-C}_5\text{H}_5)_2(\text{CO})_4]$ with Bis(diphenylphosphino)methane. <i>Organometallics</i> , 2003, 22, 5504-5512. | 2.3 | 22 |
| 23 | Synergistic Effect of Tetraaryl Porphyrins Containing Corannulene and Other Polycyclic Aromatic Fragments as Hosts for Fullerenes. Impact of C_{60} in a Statistically Distributed Mixture of Atropisomers. <i>Journal of Organic Chemistry</i> , 2016, 81, 6081-6086. | 3.2 | 19 |
| 24 | Complexes with 3-(pyridin-2-yl)imidazo[1,5-a]pyridine ligands by spontaneous dimerization of pyridine-2-carboxaldehyde within the coordination sphere of manganese(ii) in a one-pot reaction. <i>Dalton Transactions</i> , 2012, 41, 7041. | 3.3 | 17 |
| 25 | Multivalent Molecular Shuttles – Effect of Increasing the Number of Centers in Switchable Catalysts. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 6631-6640. | 2.4 | 17 |
| 26 | <i>Tris</i> (2-pyridyl) Bismuthines: Coordination Chemistry, Reactivity, and Anion-Triggered Pyridyl Coupling. <i>Inorganic Chemistry</i> , 2020, 59, 7103-7116. | 4.0 | 17 |
| 27 | Dual-Tweezer Behavior of an Octapodal Pyrene Porphyrin-Based System as a Host for Fullerenes. <i>Journal of Organic Chemistry</i> , 2019, 84, 6183-6190. | 3.2 | 16 |
| 28 | Trapping of Hemiquinone Radicals at Mo and P Sites by Phosphide-Bridged Dimolybdenum Species: Chemistry of Complexes $[\text{Mo}_2(\eta\text{-5-C}_5\text{H}_5)_2(\text{OC}_6\text{H}_4\text{OH})(\eta\text{-}^1\text{-PR}_2)(\text{CO})_4]$ and $[\text{Mo}_2(\eta\text{-5-C}_5\text{H}_5)_2\{\eta\text{-}^1\text{-PR}(\text{OC}_6\text{H}_4\text{OH})\}(\text{CO})_4]$ (R = Cy, Ph). <i>Inorganic Chemistry</i> , 2006, 45, 9593-9606. | 4.0 | 15 |
| 29 | Intramolecular carboboration of carbonyl ligands to form boroxycarbenes. <i>Chemical Communications</i> , 2012, 48, 7705. | 4.1 | 15 |
| 30 | $\eta\text{-}^6$ -Hexahelicene Complexes of Iridium and Ruthenium: Running along the Helix. <i>Inorganic Chemistry</i> , 2012, 51, 8103-8111. | 4.0 | 15 |
| 31 | $\text{P}=\text{O}$ and $\text{C}=\text{O}$ Bond Cleavages in the Thermal or Photochemical Reactions of $[\text{Fe}_2(\eta\text{-5-C}_5\text{H}_5)_2(\text{CO})_4]$ with Tetraethyl Diphosphite. <i>Organometallics</i> , 2003, 22, 3039-3048. | 2.3 | 14 |
| 32 | Stereoselective Aldol Addition to Rhenium(I) Complexes and Reversible Dimerization with Epimerization of the Metal Center. <i>Chemistry - A European Journal</i> , 2013, 19, 8285-8293. | 3.3 | 14 |
| 33 | Octapodal Corannulene Porphyrin-Based Assemblies: Allosteric Behavior in Fullerene Hosting. <i>Journal of Organic Chemistry</i> , 2020, 85, 4918-4926. | 3.2 | 14 |
| 34 | Chemical and Electrochemical Oxidation of Diphenylphosphide-Bridged Hydrides $[\text{M}_2(\eta\text{-5-C}_5\text{H}_5)_2(\eta\text{-}^1\text{-H})(\eta\text{-}^1\text{-PPh}_2)(\text{CO})_4]$ and Anions $[\text{M}_2(\eta\text{-5-C}_5\text{H}_5)_2(\eta\text{-}^1\text{-PPh}_2)(\text{CO})_4]$ (M = Mo, W). <i>Organometallics</i> , 2005, 24, 650-658. | 3.3 | 12 |
| 35 | Unexpected chemoselectivity in the Schiff condensation of amines with $\eta\text{-}^2(\text{C},\text{O})$ - $\eta\text{-}^1$ -coordinated aldehyde. <i>Dalton Transactions</i> , 2010, 39, 1201-1203. | 3.3 | 12 |
| 36 | Unusual Reactivity of the Unsaturated Dimolybdenum Complex $[\text{Mo}_2(\eta\text{-5-C}_5\text{H}_5)_2\{\eta\text{-}^1\text{-OP}(\text{OEt})_2\}\{\eta\text{-}^1\text{-P}(\text{OEt})_2\}(\text{CO})_2]$. <i>Organometallics</i> , 2003, 22, 2741-2748. | 2.3 | 11 |

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|----|---|-----|-----------|
| 37 | 3-(Pyridin-2-yl)imidazo[1,5-a]pyridine (Pyridylindolizine) as Ligand in Complexes of Transition and Main-Group Metals. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 4921-4934. | 2.0 | 11 |
| 38 | ON/OFF metal-triggered molecular tweezers for fullerene recognition. <i>Chemical Communications</i> , 2021, 57, 11013-11016. | 4.1 | 11 |
| 39 | Coordination versus Coupling of Dicyanamide in Molybdenum and Manganese Pyrazole Complexes. <i>Inorganic Chemistry</i> , 2012, 51, 6070-6080. | 4.0 | 10 |
| 40 | A Tris(3-pyridyl)stannane as a Building Block for Heterobimetallic Coordination Polymers and Supramolecular Cages. <i>Chemistry - A European Journal</i> , 2019, 25, 14003-14009. | 3.3 | 10 |
| 41 | Synthesis and Decarbonylation Reactions of the Triiron Phosphinidene Complex [Fe ₃ Cp ₃ (1/4-H)(1/4-3-PPh)(CO) ₄]: Easy Cleavage and Formation of Fe-H and Fe-Fe Bonds. <i>Inorganic Chemistry</i> , 2011, 50, 10937-10948. | | 9 |
| 42 | Nuclear Magnetic Resonance Methodology for the Analysis of Regular and Non-Alcoholic Lager Beers. <i>Food Analytical Methods</i> , 2018, 11, 11-22. | 2.6 | 9 |
| 43 | Macrocyclic Formation by Proton-Template-Induced Dimerization of Complexes with (Alkoxoimino)pyridine. <i>Inorganic Chemistry</i> , 2012, 51, 3938-3940. | 4.0 | 8 |
| 44 | Copper complexes for the promotion of iminopyridine ligands derived from L-alanine and self-aldol additions: reactivity and cytotoxic properties. <i>Dalton Transactions</i> , 2019, 48, 17544-17555. | 3.3 | 7 |
| 45 | Porphyrin-based systems containing polyaromatic fragments: decoupling the synergistic effects in aromatic-porphyrin-fullerene systems. <i>RSC Advances</i> , 2020, 10, 36164-36173. | 3.6 | 7 |
| 46 | Schiff plus click: one-pot preparation of triazole-substituted iminopyridines and ring opening of the triazole ring. <i>Dalton Transactions</i> , 2013, 42, 2556-2561. | 3.3 | 6 |
| 47 | Indole-3-carbaldehyde Semicarbazone Derivatives: Synthesis, Characterization, and Antibacterial Activities. <i>Journal of Chemistry</i> , 2020, 2020, 1-9. | 1.9 | 6 |
| 48 | Metallamacrocyclic formation through dimerization of metal bioconjugates derived from amino acids and peptides. <i>Dalton Transactions</i> , 2016, 45, 963-972. | 3.3 | 5 |
| 49 | Copper Complexes in the Promotion of Aldol Addition to Pyridine-2-carboxaldehyde: Synthesis of Homo- and Heteroleptic Complexes and Stereoselective Double Aldol Addition. <i>Inorganic Chemistry</i> , 2018, 57, 264-276. | 4.0 | 5 |
| 50 | Synthesis of tris(3-pyridyl)aluminum ligand and its unexpected stability against hydrolysis: revealing cooperativity effects in heterobimetallic pyridyl aluminates. <i>Dalton Transactions</i> , 2021, 50, 13059-13065. | 3.3 | 4 |
| 51 | Phenylisoxazole-3/5-Carbaldehyde Isonicotinylhydrazone Derivatives: Synthesis, Characterization, and Antitubercular Activity. <i>Journal of Chemistry</i> , 2021, 2021, 1-14. | 1.9 | 4 |
| 52 | Cation- and Anion-Mediated Supramolecular Assembly of Bismuth and Antimony Tris(3-pyridyl) Complexes. <i>Inorganic Chemistry</i> , 2021, 60, 19206-19218. | 4.0 | 4 |
| 53 | Identification by ¹ H NMR of key compounds present in beer distillates and residual phases after dealcoholization by vacuum distillation. <i>Journal of the Science of Food and Agriculture</i> , 2020, 100, 3971-3978. | 3.5 | 2 |
| 54 | Preparation of a Corannulene-functionalized Hexahelicene by Copper(I)-catalyzed Alkyne-azide Cycloaddition of Nonplanar Polyaromatic Units. <i>Journal of Visualized Experiments</i> , 2016, , . | 0.3 | 1 |