

# Celedonio M Alvarez

## List of Publications by Year in descending order

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54  
papers

1,158  
citations

304743

22  
h-index

434195

31  
g-index

55  
all docs

55  
docs citations

55  
times ranked

975  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	ON/OFF metal-triggered molecular tweezers for fullerene recognition. <i>Chemical Communications</i> , 2021, 57, 11013-11016.	4.1	11
3	Phenylisoxazole-3/5-Carbaldehyde Isonicotinylhydrazone Derivatives: Synthesis, Characterization, and Antitubercular Activity. <i>Journal of Chemistry</i> , 2021, 2021, 1-14.	1.9	4
4	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
5	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
6	Octapodal Corannulene Porphyrin-Based Assemblies: Allosteric Behavior in Fullerene Hosting. <i>Journal of Organic Chemistry</i> , 2020, 85, 4918-4926.	3.2	14
7	Indole-3-carbaldehyde Semicarbazone Derivatives: Synthesis, Characterization, and Antibacterial Activities. <i>Journal of Chemistry</i> , 2020, 2020, 1-9.	1.9	6
8	<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
9	Identification by <sup>1</sup> 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
10	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
11	Synthesis of a Tetracorannulene-perylene diimide That Acts as a Selective Receptor for C <sub>60</sub> over C <sub>70</sub> . <i>Organic Letters</i> , 2019, 21, 5803-5807.	4.6	23
12	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
13	Copper complexes for the promotion of iminopyridine ligands derived from $\alpha$ -alanine and self-aldol additions: reactivity and cytotoxic properties. <i>Dalton Transactions</i> , 2019, 48, 17544-17555.	3.3	7
14	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
15	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
16	Affinity modulation of photoresponsive hosts for fullerenes: light-gated corannulene tweezers. <i>Chemical Communications</i> , 2016, 52, 12964-12967.	4.1	24
17	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
18	Synergistic Effect of Tetraaryl Porphyrins Containing Corannulene and Other Polycyclic Aromatic Fragments as Hosts for Fullerenes. Impact of C <sub>60</sub> in a Statistically Distributed Mixture of Atropisomers. <i>Journal of Organic Chemistry</i> , 2016, 81, 6081-6086.	3.2	19

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19	Metallamacrocycle formation through dimerization of metal bioconjugates derived from amino acids and peptides. <i>Dalton Transactions</i> , 2016, 45, 963-972.	3.3	5
20	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
21	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
22	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
23	Enhanced association for C <sub>70</sub> over C <sub>60</sub> with a metal complex with corannulene derivate ligands. <i>Dalton Transactions</i> , 2014, 43, 15693-15696.	3.3	49
24	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
25	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
26	Intramolecular carboboration of carbonyl ligands to form boroxycarbenes. <i>Chemical Communications</i> , 2012, 48, 7705.	4.1	15
27	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
28	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
29	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
30	Coordination versus Coupling of Dicyanamide in Molybdenum and Manganese Pyrazole Complexes. <i>Inorganic Chemistry</i> , 2012, 51, 6070-6080.	4.0	10
31	Macrocycle Formation by Proton-Template-Induced Dimerization of Complexes with (Alkoxoimino)pyridine. <i>Inorganic Chemistry</i> , 2012, 51, 3938-3940.	4.0	8
32	λ <sup>6</sup> -Hexahelicene Complexes of Iridium and Ruthenium: Running along the Helix. <i>Inorganic Chemistry</i> , 2012, 51, 8103-8111.	4.0	15
33	pH-driven dynamic stereoinduction: epimerization upon dimerization in rhenium(i) complexes. <i>Chemical Communications</i> , 2011, 47, 12765.	4.1	24
34	Synthesis and Decarbonylation Reactions of the Triiron Phosphinidene Complex [Fe <sub>3</sub> Cp <sub>3</sub> (1/4-H)(1/43-PPh)(CO) <sub>4</sub> ]: Easy Cleavage and Formation of P≡H and Fe≡Fe Bonds. <i>Inorganic Chemistry</i> , 2011, 50, 10937-10948.	4.0	9
35	Unexpected chemoselectivity in the Schiff condensation of amines with λ <sup>2</sup> (C,O)-λ <sup>1</sup> (O)-coordinated aldehyde. <i>Dalton Transactions</i> , 2010, 39, 1201-1203.	3.3	12
36	Pyridine-2-carboxaldehyde as ligand: Synthesis and derivatization of carbonyl complexes. <i>Dalton Transactions</i> , 2007, , 3546.	3.3	46

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37	Reactivity of the Unsaturated Hydride $[\text{Mo}_2(\eta\text{-}5\text{-C}_5\text{H}_5)_2(\eta\text{-}1/4\text{-H})(\eta\text{-}1/4\text{-PCy}_2)(\text{CO})_2]$ 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
38	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
39	Trapping of Hemiquinone Radicals at Mo and P Sites by Phosphide-Bridged Dimolybdenum Species: A Chemistry of Complexes $[\text{Mo}_2(\eta\text{-}5\text{-C}_5\text{H}_5)_2(\text{OC}_6\text{H}_4\text{OH})(\eta\text{-}1/4\text{-PR}_2)(\text{CO})_4]$ and $[\text{Mo}_2(\eta\text{-}5\text{-C}_5\text{H}_5)_2\{\eta\text{-}1/4\text{-PR}(\text{OC}_6\text{H}_4\text{OH})\}(\text{CO})_4]$ - (R = Cy, Ph). <i>Inorganic Chemistry</i> , 2006, 45, 9593-9606.	4.0	15
40	Flattening of a Curved-Surface Buckybowl (Corannulene) by $\eta\text{-}6$ Coordination to $\{\text{Cp}^*\text{Ru}\}^+$ . <i>Organometallics</i> , 2005, 24, 4543-4552.	2.3	66
41	High-Yield Synthesis and Reactivity of Stable Diiron Complexes with Bent-Phosphinidene Bridges. <i>Organometallics</i> , 2005, 24, 5503-5505.	2.3	36
42	Formation and Cleavage of $\text{C}\equiv\text{C}$ , $\text{C}\equiv\text{O}$ , and $\text{O}\equiv\text{H}$ Bonds Involving Methoxycarbyne and Hydroxycarbyne Ligands at Unsaturated Dimolybdenum Complexes. <i>Organometallics</i> , 2005, 24, 4122-4124.	2.3	26
43	Chemical and Electrochemical Oxidation of Diphenylphosphide-Bridged Hydrides $[\text{M}_2(\eta\text{-}5\text{-C}_5\text{H}_5)_2(\eta\text{-}1/4\text{-H})(\eta\text{-}1/4\text{-PPh}_2)(\text{CO})_4]$ and Anions $[\text{M}_2(\eta\text{-}5\text{-C}_5\text{H}_5)_2(\eta\text{-}1/4\text{-PPh}_2)(\text{CO})_4]^-$ (M = Mo, W). <i>Organometallics</i> , 2005, 24, 650-658.	3.3	12
44	A Triply Bonded Dimolybdenum Hydride Complex with Acid, Base and Radical Activity. <i>Organometallics</i> , 2005, 24, 7-9.	2.3	48
45	Cationic fac-tris(pyrazole) complexes as anion receptors. <i>Chemical Communications</i> , 2005, , 546-548.	4.1	54
46	Synthesis and Structure of a Dimetallated Buckybowl: Coordination of One $\{\text{Cp}^*\text{Ru}\}^+$ Unit to Each Side of Corannulene. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 4497-4500.	13.8	69
47	Proton induced $\text{P}\equiv\text{H}$ and $\text{Mo}\equiv\text{H}$ bond activation at the phosphide bridged dimolybdenum complexes $[\text{Mo}_2\text{Cp}_2(\eta\text{-}1/4\text{-H})(\eta\text{-}1/4\text{-PHR})(\text{CO})_4]$ (R = Cy, 2,4,6-C <sub>6</sub> H <sub>2</sub> R <sub>3</sub> ; R <sup>2</sup> = H, Me, tBu). <i>Dalton Transactions</i> , 2004, , 4168-4179.	3.3	27
48	Diphenylphosphide-Bridged Diiron Derivatives of $[\text{Fe}_2(\eta\text{-}5\text{-C}_5\text{H}_5)_2(\eta\text{-}1/4\text{-H})(\eta\text{-}1/4\text{-PPh}_2)(\text{CO})_2]$ . <i>Organometallics</i> , 2004, 23, 4750-4758.	2.3	30
49	$\text{P}\equiv\text{O}$ and $\text{C}\equiv\text{O}$ Bond Cleavages in the Thermal or Photochemical Reactions of $[\text{Fe}_2(\eta\text{-}5\text{-C}_5\text{H}_5)_2(\text{CO})_4]$ with Tetraethyl Diphosphite. <i>Organometallics</i> , 2003, 22, 3039-3048.	2.3	14
50	$\text{P}\equiv\text{C}$ and $\text{C}\equiv\text{H}$ Bond Cleavages in the Photochemical Reactions of $[\text{Fe}_2(\eta\text{-}5\text{-C}_5\text{H}_5)_2(\text{CO})_4]$ with Bis(diphenylphosphino)methane. <i>Organometallics</i> , 2003, 22, 5504-5512.	2.3	22
51	Unusual Reactivity of the Unsaturated Dimolybdenum Complex $[\text{Mo}_2(\eta\text{-}5\text{-C}_5\text{H}_5)_2\{\eta\text{-}1/4\text{-OP}(\text{OEt})_2\}\{\eta\text{-}1/4\text{-P}(\text{OEt})_2\}(\text{CO})_2]$ . <i>Organometallics</i> , 2003, 22, 2741-2748.	2.3	11
52	$\eta\text{-}6$ -Corannulene Buckybowl Complexes of Iridium, Including Ring-to-Ring Migration. <i>Organometallics</i> , 2003, 22, 624-626.	2.3	59
53	Oxidative Additions of Coordinated Ligands at Unsaturated Molybdenum and Tungsten Diphosphine-Bridged Carbonyl Dimers. 3. Decarbonylation Reactions of $[\text{MoW}(\eta\text{-}5\text{-C}_5\text{H}_5)_2(\text{CO})_4(\eta\text{-}1/4\text{-Ph}_2\text{PCH}_2\text{PPh}_2)]$ . <i>Organometallics</i> , 1997, 16, 1378-1383.	2.3	23
54	Oxidative Additions of Coordinated Ligands at Unsaturated Molybdenum and Tungsten Diphosphine-Bridged Carbonyl Dimers. 4. Decarbonylation Reactions of $[\text{M}_2(\eta\text{-}5\text{-C}_5\text{H}_5)_2(\text{CO})_4\{\eta\text{-}1/4\text{-(EtO)}_2\text{POP}(\text{OEt})_2\}]$ (M = Mo, W). <i>Organometallics</i> , 1997, 16, 2581-2589.	2.3	23