

Adelino M Galvao

List of Publications by Year in descending order

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83
papers

1,223
citations

393982

19
h-index

500791

28
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all docs

84
docs citations

84
times ranked

1374
citing authors

#	ARTICLE	IF	CITATIONS
1	Excited-State Proton Transfer in Indigo. <i>Journal of Physical Chemistry B</i> , 2017, 121, 2308-2318.	1.2	70
2	Synthesis, bonding and dynamic behavior of fac-[Mo(II)(CO) ₂ (η -3-allyl)] derivatives. <i>Journal of Organometallic Chemistry</i> , 2001, 632, 197-208.	0.8	51
3	Rhodaoxetane: synthesis, structure, and theoretical evaluation. <i>Organometallics</i> , 1993, 12, 3316-3325.	1.1	45
4	Organometallic complexes for second-order non-linear optics: synthesis and molecular quadratic hyperpolarizabilities of η -5-monocyclopentadienyliron(II) nitrile derivatives with different phosphines. X-ray crystal structure of [FeCp(DPPE)(p-NCC6H4NO ₂)] [PF ₆] \cdot CH ₂ Cl ₂ . <i>Journal of Organometallic Chemistry</i> , 2001, 619, 252-264.	0.8	40
5	Photochemistry of the hemiketal form of anthocyanins and its potential role in plant protection from UV-B radiation. <i>Tetrahedron</i> , 2015, 71, 3157-3162.	1.0	38
6	Antibacterial activity of silver camphorimine coordination polymers. <i>Dalton Transactions</i> , 2016, 45, 7114-7123.	1.6	37
7	Cyanide and methylisocyanide complexes of rhenium(I) [NBu ₄][ReX(CN)(dppe) ₂] (X $\hat{\rightarrow}$ Cl or CN; dppe $\hat{\rightarrow}$) <i>J. Organomet. Chem.</i> 1994, 469, 79-87. trans-[ReX(CNMe)(dppe) ₂] (X $\hat{\rightarrow}$ H or Cl). <i>Journal of Organometallic Chemistry</i> , 1994, 469, 79-87.	0.8	31
8	Structural and electronic comparison of 15- to 17-electron dichloro-complexes of molybdenum and rhenium: electrochemical behaviour and crystal structures of trans-[ReCl ₂ (dppe) ₂]A (A = Cl or BF ₄) <i>J. Organomet. Chem.</i> 1993, 3015-3023.	1.1	28
9	Nucleophilic and electrophilic reactions of C ₅ cyclo-polyenes coordinated to the [CpMoL ₂] ⁿ⁺ fragment (n = 1,2; L = 1/2dppe, PMe ₃ , P(OMe) ₃ , CO). <i>Journal of Organometallic Chemistry</i> , 1997, 544, 257-276.	0.8	28
10	Synthesis, characterisation, crystal structure, reactivity and bonding in titanium complexes containing 2,3,4,5-tetramethylpyrrolyl. <i>Journal of the Chemical Society Dalton Transactions</i> , 1997, , 1055-1062.	1.1	24
11	Benzene ring assembly promoted by a camphor derived palladium complex. <i>Journal of Organometallic Chemistry</i> , 2003, 679, 143-147.	0.8	24
12	Synthesis of Ag(I) camphor sulphonylimine complexes and assessment of their cytotoxic properties against cisplatin -resistant A2780cisR and A2780 cell lines. <i>Journal of Inorganic Biochemistry</i> , 2017, 166, 55-63.	1.5	24
13	Syntheses, electrochemistry, and bonding of bis(cyclopentadienyl)molybdenum alkyl complexes. Molecular structure of Mo(.eta.5-C ₅ H ₅) ₂ (C ₄ H ₉) ₂ . Thermochemistry of Mo(.eta.5-C ₅ H ₅) ₂ R ₂ and Mo(.eta.5-C ₅ H ₅) ₂ L (R = CH ₃ , C ₂ H ₅ , C ₄ H ₉ ; L = ethylene, diphenylacetylene). <i>Organometallics</i> , 1991, 10, 483-494.	1.1	23
14	Synthesis, characterization and reactivity of lanthanide(II) poly(pyrazol-1-yl)borates (Ln $\hat{\rightarrow}$ Sm, Eu and Yb); fluorescence studies of [EuL ₂ (THF) ₂] [L $\hat{\rightarrow}$ B(pz) ₄ , HB(pz) ₃]; X-ray crystal structures of [Eu{B(pz) ₄ } ₂ (THF) ₂]		

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19	Solid-State Structure and Solution Behavior of Eight-Coordinate Sm(III) Poly(pyrazolyl)borate Compounds. <i>Inorganic Chemistry</i> , 2001, 40, 1116-1125.	1.9	20
20	Kinetic study of the alkylation of cyanide at [NBu ₄][trans-Re(CN) ₂ (dppe) ₂]. Crystal structures of [NBu ₄][trans-Re(CN) ₂ (dppe) ₂] and trans-[Re(CN) ₂ (dppe) ₂]. <i>Journal of Organometallic Chemistry</i> , 1999, 583, 56-62.	0.8	19
21	Rhenium-(III) and -(V) hydride complexes with modified poly(pyrazolyl)borates. <i>Journal of the Chemical Society Dalton Transactions</i> , 1999, , 1293-1300.	1.1	18
22	Quantitative Assessment of Methods Used To Obtain Rate Constants from Molecular Dynamics Simulations – Translocation of Cholesterol across Lipid Bilayers. <i>Journal of Chemical Theory and Computation</i> , 2018, 14, 3840-3848.	2.3	18
23	Proton addition and hydrogen-bond formation in reactions of the dicyano-complex [NBu ₄][trans-Re(CN) ₂ (dppe) ₂] with protic reagents. <i>Dalton Transactions RSC</i> , 2000, , 3393-3400.	2.3	17
24	Search for cytotoxic compounds against ovarian cancer cells: Synthesis, characterization and assessment of the activity of new camphor carboxylate and camphor carboxamide silver complexes. <i>Journal of Inorganic Biochemistry</i> , 2018, 188, 88-95.	1.5	17
25	Deep in blue with green chemistry: influence of solvent and chain length on the behaviour of <i>N</i> - and <i>N,N</i> -alkyl indigo derivatives. <i>Chemical Science</i> , 2021, 12, 303-313.	3.7	17
26	Syntheses, properties and Mössbauer studies of mono- and di-nitrile phosphine complexes of iron(II). Crystal structures of trans-[Fe(NCR) ₂ (Et ₂ PCH ₂ CH ₂ PEt ₂) ₂][BF ₄] ₂ (R = Me or CH ₂ C ₆ H ₄ OMe-4). <i>Journal of the Chemical Society Dalton Transactions</i> , 1998, , 3311-3318.		16
27	Enantioselectivity in Ni(II) Schiff-base complexes derived from amino-acids and (S)-o-N-(N-benzylpropyl)aminobenzophenone. Molecular structure of several chiral Ni(II) Schiff-base complexes, circular dichroism and molecular mechanics studies. <i>Dalton Transactions</i> , 2005, , 2312.	1.6	16
28	Pathway from Chain to Dimer in Cu(I) Camphor Hydrazone Complexes. <i>Inorganic Chemistry</i> , 2010, 49, 10330-10337.	1.9	16
29	Thioindigo, and sulfonated thioindigo derivatives as solvent polarity dependent fluorescent on-off systems. <i>Dyes and Pigments</i> , 2018, 158, 259-266.	2.0	16
30	Ag(I) camphor complexes: antimicrobial activity by design. <i>Journal of Inorganic Biochemistry</i> , 2019, 199, 110791.	1.5	16
31	Energetics of molybdenum-azobenzene, titanium-azobenzene, titanium-iodide, and titanium-carbonyl bonds in bis(cyclopentadienyl) complexes. <i>Organometallics</i> , 1987, 6, 1427-1432.	1.1	15
32	Syntheses and characterization of phenyldiazenido and mixed phenyldiazenido-isocyanide complexes of rhenium. Crystal structure of [ReBr ₂ (NNPh) ₂ (PPh ₃) ₂]. <i>Journal of the Chemical Society Dalton Transactions</i> , 1998, , 2405-2410.	1.1	15
33	Synthesis and characterisation of [M(̇-5-NC ₄ Me ₄)(CH ₂ Ph) ₃] (M=Ti, Zr, Hf) and [Ti(̇-5-NC ₄ Me ₄)(Me)Cl ₂]. Structural determination and bonding of [Ti(̇-5-NC ₄ Me ₄)(Me)Cl ₂] depicting an agostic interaction. <i>Journal of Organometallic Chemistry</i> , 2001, 632, 157-163.	0.8	15
34	Electrostatic potentials from charge-density studies of benzamide at 123 K. <i>Acta Crystallographica Section B: Structural Science</i> , 1995, 51, 835-838.	1.8	14
35	Alkylation of cyanide at [NBu ₄][trans-[Re(CN) ₂ (Ph ₂ PCH ₂ CH ₂ PPh ₂) ₂]. Syntheses and properties of		

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37	Photoresponsive N,N- ϵ^2 -disubstituted indigo derivatives. <i>Dyes and Pigments</i> , 2020, 176, 108197.	2.0	14
38	Synthesis, characterization and bonding of fulvalene dimolybdenum(III) and ditungsten(III) cations with one thiolate bridging ligand. Crystal structure of $[\text{Mo}_2(\eta^4\text{-}1,5\text{-}\hat{1}\text{-}5\text{-C}_{10}\text{H}_8)(\eta^4\text{-SC}_6\text{H}_5)(\eta^4\text{-C}_5\text{H}_5)_2][\text{Re}_2(\eta^4\text{-SC}_6\text{H}_5)_3(\text{CO})_6]$. <i>Journal of Organometallic Chemistry</i> , 1993, 453, 231-240.	0.8	13
39	Derivative chemistry of $[\text{UCl}_2\{\text{B}(\text{pz})_4\}_2]$: stability of complexes containing the fragments $[\text{U}\{\text{B}(\text{pz})_4\}_2]$ and $[\text{U}\{\text{HB}(\text{pz})_3\}_2]$. <i>Journal of Organometallic Chemistry</i> , 1999, 579, 5-17.	0.8	13
40	Biscyclopentadienyl Group 6 metal complexes as metalloligands in the synthesis of heterobimetallic species. Crystal structures of new thiolato-bridged molybdenum(IV)-copper(I) complexes. <i>Journal of Organometallic Chemistry</i> , 2001, 632, 75-84.	0.8	13
41	Naphthoylhydrazones: coordination to metal ions and biological screening. <i>New Journal of Chemistry</i> , 2019, 43, 17801-17818.	1.4	13
42	Synthesis, characterization and study of the catalytic properties of Zn(II) camphor derived complexes. <i>Journal of Organometallic Chemistry</i> , 2014, 760, 186-196.	0.8	12
43	Transition-metal complexes of (1S,2S,3R)-3-hydroxycamphorsultam. <i>Inorganic Chemistry</i> , 1993, 32, 5160-5164.	1.9	11
44	Cooperative effect of the camphor imine ligand in alkynols activation by trans- $[\text{MCl}_2(\text{YNC}_{10}\text{H}_{14}\text{O})_2]$ (M=Pd or Pt). <i>Inorganica Chimica Acta</i> , 2010, 363, 1767-1772.	1.2	11
45	Structural dependence of the optical properties of narrow band gap thiophene- ϵ -thiadiazoloquinoline derivatives and their application in organic photovoltaic cells. <i>New Journal of Chemistry</i> , 2019, 43, 5202-5213.	1.4	11
46	Estimation of stepwise M-L bond dissociation enthalpies in $\text{M}(\eta^5\text{-C}_5\text{H}_5)_2\text{L}_2$ complexes. <i>Journal of Organometallic Chemistry</i> , 1986, 307, 167-176.	0.8	10
47	Uracil and thiouracil complexes of dicyclopentadienyl molybdenum and tungsten: Preparation and electrochemistry. The structures of $[\text{M}(\eta^5\text{-C}_5\text{H}_5)_2(2\text{-SN}_2\text{OC}_4\text{H}_3)][\text{PF}_6]$, $[\text{M}(\eta^5\text{-C}_5\text{H}_5)_2\{2\text{-S}(\text{CH}_3)\text{N}_2\text{OC}_4\text{H}_2\}][\text{PF}_6]$, $[\text{Mo}(\eta^5\text{-C}_5\text{H}_5)_2(4\text{-SN}_2\text{OC}_4\text{H}_3)][\text{PF}_6]$ and $[\text{Mo}(\eta^5\text{-C}_5\text{H}_5)_2\{4\text{-S}(\text{CH}_3)\text{N}_2\text{OC}_4\text{H}_2\}][\text{PF}_6]$ (M $\hat{\rightarrow}$ Mo and W). <i>Polyhedron</i> , 1995, 14, 675-685.	1.0	10
48	Synthesis and characterisation of Ti, Cr, Mo and W bis(fluorene) complexes. <i>Journal of Organometallic Chemistry</i> , 1997, 548, 177-183.	0.8	10
49	Activation of a coordinated alkyne by electron transfer: crystal structures of $[\text{Ph}_2\{\text{C}(\text{CO}_2\text{Me})\hat{\sim}\dots\text{CH}(\text{CO}_2\text{Me})\}]$ and $[\text{PPh}_2\{\text{C}(\text{CO}_2\text{Me})\hat{\sim}\dagger\text{C}(\text{CO}_2\text{Me})\}]$. <i>Journal of Organometallic Chemistry</i> , 2000, 598, 318-328.	0.8	10
50	Electronic structure and properties of camphorimine Cu(I) coordination polymers. <i>Journal of Polymer Science Part A</i> , 2012, 50, 1102-1110.	2.5	10
51	Synthesis, Characterization and Theoretical Evaluation of $[\text{Ti}(\text{NC}_4\text{Me}_4)(\text{NMe}_2)_3]$ - A Complex with N-Bonded 2,3,4,5-Tetramethylpyrrolyl Ligand. <i>Collection of Czechoslovak Chemical Communications</i> , 1998, 63, 182-186.	1.0	10
52	Reactivity Trends in the Reaction of Alkynes with 3-Oxo-camphorsulfonylimine. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2002, 57, 691-698.	0.3	9
53	Effect of ancillary ligands in the hapticity of the pyrrolyl ligand in $[\text{Ti}(\text{pyrrolyl})(\text{NMe}_2)_x\text{Cl}_3\hat{\sim}^x]$ (x=0, 1, 2). <i>Journal of Organometallic Chemistry</i> , 2001, 632, 1-10.	0.8	9
54	Synthesis and catalytic activity of camphor titanium complexes. <i>Inorganica Chimica Acta</i> , 2012, 383, 244-249.	1.2	9

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55	Tuning structure and properties of Pd and Pt camphor derived complexes. <i>Inorganica Chimica Acta</i> , 2013, 395, 169-175.	1.2	9
56	Cyclopentadithiophene derivatives: a step towards an understanding of thiophene copolymer excited state deactivation pathways. <i>Materials Chemistry Frontiers</i> , 2018, 2, 149-156.	3.2	9
57	Photophysical properties and biological evaluation of a Zinc(II)-5-methyl-1H-pyrazole Schiff base complex. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 204, 317-327.	2.0	9
58	Concurrent Enhancement of Conductivity and Stability in Water of Poly(3,4-Ethylenedioxythiophene):Poly(Styrenesulfonate) Films Using an Oxetane Additive. <i>Advanced Materials Interfaces</i> , 2021, 8, 2100517.	1.9	9

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73	Oxygen activation by copper camphor complexes. <i>Inorganic Chemistry Frontiers</i> , 2015, 2, 1019-1028.	3.0	5
74	Supramolecular arrangement in mono and bi-camphor acyl hydrazones: A structural study. <i>Journal of Molecular Structure</i> , 2016, 1108, 708-716.	1.8	5
75	Metal vapour synthesis and conformational analysis of bis(2-trimethylsilyl-3-methylphosphobenzene). <i>Applied Organometallic Chemistry</i> , 2000, 14, 561-564.	1.7	4
76	On the effect of pattern substitution and oligo(ethylene oxide) side-chain modification on thiophene-quinoxaline copolymers and their applications in photovoltaic cells. <i>Organic Electronics</i> , 2020, 78, 105612.	1.4	4
77	Ethylene polymerisation by Ni ^{II} -diphosphine azine complexes. <i>Polymer International</i> , 2007, 56, 613-620.	1.6	3
78	Synthesis and Characterization of Camphorimine Au(I) Complexes with a Remarkably High Antibacterial Activity towards <i>B. contaminans</i> and <i>P. aeruginosa</i> . <i>Antibiotics</i> , 2021, 10, 1272.	1.5	3
79	Analysis of 1H NMR Data for Arene-Metal Complexes Using Extended Huckel Calculations. <i>Collection of Czechoslovak Chemical Communications</i> , 1998, 63, 299-304.	1.0	2
80	Supramolecular arrangement promoted in trans-[PdCl ₂ (HONC ₁₀ H ₁₄ O) ₂] \cdot 2H ₂ O by hydrogen bonding. <i>Journal of Molecular Structure</i> , 2014, 1065-1066, 108-112.	1.8	2
81	Hall effect in RBa ₂ Cu ₃ O ₇ (R=Y,Yb) thin films in high magnetic fields. <i>European Physical Journal D</i> , 1996, 46, 1753-1754.	0.4	1
82	Energetics of molybdenum-azobenzene, titanium-azobenzene, titanium-iodide, and titanium-carbonyl bonds in bis(cyclopentadienyl) complexes [Erratum to document cited in CA107(5):39888y]. <i>Organometallics</i> , 1988, 7, 246-246.	1.1	0
83	Reactivity of Pyrimidine on Clean Ru(0001): Experimental and Calculated Infrared Spectra. <i>Journal of Physical Chemistry C</i> , 2014, 118, 17521-17530.	1.5	0