

Alejandro A MacÃ- as Luaces

List of Publications by Year in descending order

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citations

218381

26
h-index

344852

36
g-index

102
all docs

102
docs citations

102
times ranked

1431
citing authors

#	ARTICLE	IF	CITATIONS
1	A new series of lanthanide complexes with the trans-disubstituted Py ₂ [18]aneN ₆ macrocyclic ligand: synthesis, structures and properties. <i>Polyhedron</i> , 2019, 160, 180-188.	1.0	5
2	Synthesis, coordination properties and DFT studies of novel <i>trans</i> -disubstituted hexaaza-macrocycles containing pyridine and/or ethyldioxolane arms. <i>Journal of Coordination Chemistry</i> , 2018, 71, 3099-3116.	0.8	0
3	Novel di-substituted hexaaza-macrocyclic ligands bearing hydrazine and/or indole arms: synthesis, sensor properties and catalytic activity. <i>Inorganica Chimica Acta</i> , 2017, 456, 34-43.	1.2	6
4	Exceptionally Inert Lanthanide(III) PARACEST MRI Contrast Agents Based on an 18-Membered Macrocyclic Platform. <i>Chemistry - A European Journal</i> , 2015, 21, 18662-18670.	1.7	21
5	Lanthanide(III) Complexation with an Amide Derived Pyridinophane. <i>Inorganic Chemistry</i> , 2015, 54, 1671-1683.	1.9	19
6	Novel chromogenic macrocyclic molecular probes with logic gate function using anion/cation inputs. <i>Dyes and Pigments</i> , 2014, 110, 143-151.	2.0	9
7	Metal complexes with pendant-armed oxazamacrocycles. The crystal structures of dimeric Ca(II) and Sr(II) complexes. <i>Inorganica Chimica Acta</i> , 2014, 417, 239-245.	1.2	2
8	The first substituted macrocyclic ligand Py ₂ N ₄ S ₂ containing four naphthylmethylene pendant-armed groups: Synthesis and photophysical properties. <i>Inorganic Chemistry Communication</i> , 2013, 36, 22-26.	1.8	6
9	Cd(II) complexes with pendant armed oxa- and azamacrocyclic ligands. <i>Polyhedron</i> , 2013, 54, 54-59.	1.0	6
10	Colorimetric macrocyclic anion probes bearing nitrophenylurea and nitrophenylthiourea binding groups. <i>Tetrahedron</i> , 2013, 69, 4578-4585.	1.0	15
11	Pyridinophane Platform for Stable Lanthanide(III) Complexation. <i>Inorganic Chemistry</i> , 2013, 52, 6062-6072.	1.9	10
12	A chemosensor for dihydrogenphosphate based on an oxoazamacrocyclic possessing three thiourea arms. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 5379.	1.5	10
13	Novel emissive phenylurea-based macrocyclic chemosensor: Synthesis, fluorescent and complexation studies. <i>Inorganica Chimica Acta</i> , 2012, 381, 85-94.	1.2	10
14	Dinuclear Cobalt(II) and Copper(II) Complexes with a Py ₂ N ₄ S ₂ Macrocyclic Ligand. <i>Inorganic Chemistry</i> , 2011, 50, 5596-5604.	1.9	13
15	Lanthanide(III) nitrate complexes with a tetramethyl 4-(methyl)benzoate pendant-armed hexaazamacrocyclic ligand. <i>Inorganica Chimica Acta</i> , 2011, 378, 127-133.	1.2	5
16	7-(tert-Butyldiphenylsilyloxy)-2,2-dimethyl-1-benzofuran-3(2H)-one. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011, 67, o375-o375.	0.2	0
17	Synthesis of metal complexes with a novel ethyldioxolane pendant-arm hexaazamacrocyclic ligand. <i>Polyhedron</i> , 2010, 29, 126-133.	1.0	9
18	Co(II), Cu(II) and Zn(II) dinuclear complexes of a polydodal ligand containing phenolate and pyridyl donor groups. <i>Polyhedron</i> , 2010, 29, 2651-2656.	1.0	5

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19	Anion sensing properties of new colorimetric chemosensors based on macrocyclic ligands bearing three nitrophenylurea groups. <i>Tetrahedron</i> , 2010, 66, 9223-9230.	1.0	48
20	Nitrate Encapsulation within the Cavity of Polyazapyridinophane. Considerations on Nitrate π -Pyridine Interactions. <i>Crystal Growth and Design</i> , 2010, 10, 3418-3423.	1.4	12
21	New dinuclear nickel(ii) and iron(ii) complexes with a macrocyclic ligand containing a N6S2 donor-set: Synthesis, structural, MALDI-TOF-MS, magnetic and spectroscopic studies. <i>Dalton Transactions</i> , 2010, 39, 7673.	1.6	24
22	Structural, MALDI-TOF-MS, Magnetic and Spectroscopic Studies of New Dinuclear Copper(ii), Cobalt(ii) and Zinc(ii) Complexes Containing a Biomimicking π -OH bridge. <i>Dalton Transactions</i> , 2010, 39, 11654.	1.6	16
23	Solid π -State and Solution Structure of Lanthanide(III) Complexes with a Flexible Py π -6 Macrocylic Ligand. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 1086-1095.	1.0	14
24	Cd(II) complexes with N8 and N4O4 donor macrocyclic ligands. <i>Inorganica Chimica Acta</i> , 2009, 362, 471-476.	1.2	3
25	Alkali and alkaline-earth metal complexes of different nuclearities with azamacrocyclic pendant-arms ligands. <i>Inorganica Chimica Acta</i> , 2009, 362, 3351-3356.	1.2	4
26	Water soluble dinuclear complexes with a hexaaza macrocyclic ligand bearing four acetohydrazide groups. <i>Inorganica Chimica Acta</i> , 2009, 362, 3454-3460.	1.2	14
27	Synthesis, characterization, and fluorescence behavior of four novel macrocyclic emissive ligands containing a flexible 8-hydroxyquinoline unit. <i>Tetrahedron</i> , 2009, 65, 6179-6188.	1.0	33
28	Ni(II) complexes of stereo-isomeric hexamacrocyclic ligands derived from 2,6-diacetylpyridine. <i>Polyhedron</i> , 2009, 28, 2371-2376.	1.0	3
29	Mn(II) azamacrocyclic bromide complexes with different nuclearities. <i>Journal of Organometallic Chemistry</i> , 2009, 694, 2185-2190.	0.8	5
30	Dinuclear tetrapyriddy pendant-armed azamacrocyclic complexes of Co(II), Ni(II), Cu(II) and Cd(II). <i>Journal of Organometallic Chemistry</i> , 2009, 694, 3608-3613.	0.8	3
31	N10 deca-coordinated environment for a Ba(II) complex with tetrapyriddy pendant-armed azamacrocyclic ligand. <i>Inorganic Chemistry Communication</i> , 2009, 12, 249-251.	1.8	5
32	A novel zinc(II) complex with the ligand 2,2 π -2 π -(1,4,7-triazanonane-1,4,7-triyl)triacetate (NOTA). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009, 65, m84-m85.	0.2	1
33	Co(II), Ni(II) and Cu(II) complexes of new [1+1] and [2+2] macrocyclic ligands derived from 1,4-bis(2 π -formylphenyl)-1,4-dioxabutane and cis-1,2-diaminocyclohexane. <i>Polyhedron</i> , 2008, 27, 2301-2308.	1.0	16
34	Synthesis and crystal structures of Cd(II) complexes with di-pyridyl hexa-azamacrocyclic ligands having cyano pendant-arms. <i>Polyhedron</i> , 2008, 27, 3509-3513.	1.0	4
35	Synthesis, spectroscopic, structural and complexation studies of a new tetra-naphthylmethylene pendant-armed macrocyclic ligand. <i>Inorganica Chimica Acta</i> , 2008, 361, 2183-2194.	1.2	21
36	Trinuclear Copper(II) Endomacrocyclic Complex with a New Nonaazamacrocyclic Ligand Showing a Trapped Perchlorate Anion. <i>Crystal Growth and Design</i> , 2008, 8, 3924-3926.	1.4	3

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37	Dinuclear Zn(II) Polymer Consisting of Channels Formed by π - π -Stacking Interactions with a Flow of Nitrate Anions through the Channels. <i>Crystal Growth and Design</i> , 2008, 8, 2080-2082.	1.4	20
38	A hexaaza macrocyclic ligand containing acetohydrazide pendants for Ln(III) complexation in aqueous solution. Solid-state and solution structures and DFT calculations. <i>Dalton Transactions</i> , 2008, , 3841.	1.6	26
39	Metal ion interaction with a novel anthracene pendant-armed fluorescent molecular probe. Synthesis, characterization, and fluorescence studies. <i>Inorganica Chimica Acta</i> , 2007, 360, 2734-2743.	1.2	13
40	Zn(II) complexes with pyridine derived N6 and N8 donor azamacrocyclic ligands. <i>Polyhedron</i> , 2007, 26, 5317-5323.	1.0	12
41	Synthesis and Characterization of Lanthanide(III) Nitrate Complexes of an Hexaaza Macrocyclic Ligand. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2007, 633, 747-751.	0.6	4
42	Metal Complexes with a New Ethyl Acetate Pendant-armed Macrocyclic Ligand " Crystal Structures of [MnL](ClO ₄) ₂ and [NiL](ClO ₄) ₂ ·CH ₃ CN. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2007, 633, 1842-1846.	0.6	3
43	The corrosion of nickel/titanium rotary endodontic instruments in sodium hypochlorite. <i>International Endodontic Journal</i> , 2007, 40, 36-44.	2.3	23
44	Different Nuclearity Silver(I) Complexes with Novel Tetracyano Pendant-Armed Hexaazamacrocyclic Ligands. <i>Inorganic Chemistry</i> , 2006, 45, 2266-2275.	1.9	32
45	Lanthanide(III) Complexes with a Tetrapyrroline Pendant-Armed Macrocyclic Ligand: ¹ H NMR Structural Determination in Solution, X-ray Diffraction, and Density-Functional Theory Calculations. <i>Inorganic Chemistry</i> , 2006, 45, 4484-4496.	1.9	70
46	Metal complexes with two tri-aza, tri-oxa pendant-armed macrocyclic ligands: Synthesis, characterization, crystal structures and fluorescence studies. <i>Inorganica Chimica Acta</i> , 2006, 359, 2383-2394.	1.2	29
47	Different nuclearities of M(II) nitrate complexes (M=Co, Ni, Cu and Cd) with a tetrapyrroline pendant-armed hexaazamacrocyclic ligand. <i>Polyhedron</i> , 2006, 25, 783-792.	1.0	41
48	Co(II), Ni(II) and Cu(II) metal complexes with a N8 azamacrocyclic ligand. <i>Polyhedron</i> , 2006, 25, 3495-3500.	1.0	13
49	Copper complexes with new oxaza- pendant-armed macrocyclic ligands: X-ray crystal structure of a macrocyclic copper(II) complex. <i>Inorganica Chimica Acta</i> , 2005, 358, 1141-1150.	1.2	22
50	Co(II), Ni(II) and Cu(II) complexes with a new pendant armed macrocyclic ligand showing several π - π -interactions. <i>Inorganica Chimica Acta</i> , 2005, 358, 2618-2628.	1.2	21
51	Metal Complexes of New Mixed Oxaaza-Macrocyclic Ligands. X-Ray Crystal Structure of L1, L2, [SrL2(H ₂ O) ₂](ClO ₄) ₂ and [BaL2(NCS) ₂ (CH ₃ CN)]·CH ₃ CN. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2005, 631, 2033-2040.	0.6	4
52	Copper(II), Cobalt(II), and Nickel(II) Complexes of two Novel Pyridine-derived Macrocyclic Ligands bearing ortho- and para-Nitrobenzyl Pendant Groups. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2005, 631, 2046-2053.	0.6	7
53	Synthesis and helical polymeric structure of a luminescent pendant-armed macrocyclic silver(I) complex with Ag \cdots Ag interactions. <i>New Journal of Chemistry</i> , 2005, 29, 424-426.	1.4	46
54	Pentanuclear Ba(II) Complex of a Macrocyclic Ligand. <i>Inorganic Chemistry</i> , 2005, 44, 930-934.	1.9	12

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55	Lanthanide(III) Complexes with Pyridine Head Macrocyclic Ligands. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2003, 45, 155-160.	1.6	8
56	Title is missing!. <i>Transition Metal Chemistry</i> , 2003, 28, 388-394.	0.7	64
57	Metal complexes with four macrocyclic ligands derived from 2,6-bis(2-formylphenoxy)methyl)pyridine and 1,7-bis(2-formylphenyl)-1,4,7-trioxheptane. <i>Inorganica Chimica Acta</i> , 2003, 343, 133-140.	1.2	24
58	Synthesis of perchlorate metal complexes with a new tetrapyridyl pendant armed macrocyclic ligand. <i>Inorganica Chimica Acta</i> , 2003, 355, 292-301.	1.2	16
59	Coordination chemistry of copper(II) with oxaza macrocyclic ligands. Crystal structure of a dinuclear tetramer copper(II) complex. <i>Polyhedron</i> , 2003, 22, 1701-1710.	1.0	29
60	Metal Complexes with a New N4O3Amine Pendant-Armed Macrocyclic Ligand:Â Synthesis, Characterization, Crystal Structures, and Fluorescence Studies. <i>Inorganic Chemistry</i> , 2003, 42, 6768-6779.	1.9	73
61	X-ray Diffraction and ¹ H NMR in Solution:â€ Structural Determination of Lanthanide Complexes of a Py2N6Ac4 Ligand. <i>Inorganic Chemistry</i> , 2002, 41, 5300-5312.	1.9	48
62	Synthesis of a new tetra-cyanomethylated macrocyclic ligand with a nanotubular structure. X-Ray crystal structures of mono-, di-nuclear and polymeric metal complexes. <i>Dalton Transactions RSC</i> , 2002, , 3551-3558.	2.3	26
63	Synthesis and Characterization of Metal Complexes of two Novel Pyridine-Derived Macrocyclic Ligands Bearing o- and p-Nitrobenzyl Pendant GroupsDedicated to Professor Joachim StrÃhle on the Occasion of his 65th Birthday. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2002, 628, 1059.	0.6	2
64	Lanthanide(III) perchlorate complexes of two 24 membered N3O4-donor macrocycles. <i>Journal of Alloys and Compounds</i> , 2001, 323-324, 155-158.	2.8	4
65	A Schiff-base bibracchial lariat ether selective receptor for lanthanide(III) ions. <i>Dalton Transactions RSC</i> , 2001, , 1699-1705.	2.3	29
66	Methyl- and phenylmercury(II) complexes of 5-(4-dimethylaminobenzylidene)rhodanine (HDABRd) and 5-(2-thiophenomethylene)rhodanine (HTRd). The crystal and molecular structure of [HgPh(DABRd)] and [HgMe(TRd)]. <i>Polyhedron</i> , 2001, 20, 1845-1850.	1.0	8
67	The synthesis of three novel pendant armed macrocyclic ligands. The X-ray crystal structure of a cadmium complex derived from the first oxazamacrocycle bearing two alkylated aromatic amine functions. <i>Polyhedron</i> , 2001, 20, 3091-3099.	1.0	7
68	Synthesis and characterisation of silver, zinc and cadmium compounds with an N3O2 Schiff base macrocycle: the crystal and molecular structures of the silver(I) and cadmium(II) complexes. <i>Inorganica Chimica Acta</i> , 2001, 317, 45-52.	1.2	30
69	Synthesis and Characterization of Some Metal Complexes with New Nitrogenâ€Oxygen Donor Macrocyclic Ligands â€ X-ray Crystal Structures of a 26-Membered Reduced Monoprotonated Macrocycle and a 20-Membered Pendant-Arm Schiff-Base Macrocyclic Cadmium(II) Complex. <i>European Journal of Inorganic Chemistry</i> , 2000, 2000, 1015-1024.	1.0	48
70	Synthesis and characterisation of cobalt, nickel, zinc and cadmium compounds with a pyridine-derived N3O2 macrocycle: Crystal and molecular structures of the macrocyclic ligand and Co(II), Ni(II) and Zn(II) complexes. <i>Inorganica Chimica Acta</i> , 2000, 300-302, 234-242.	1.2	14
71	Metal complexes of an N,Nâ€-diformylated 36-membered N8O4-oxazamacrocycle. <i>Inorganic Chemistry Communication</i> , 1999, 2, 513-515.	1.8	3
72	Lanthanide(III) Nitrate Complexes of Two 17 Membered N3O2-Donor Macrocycles. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 1999, 35, 191-198.	1.6	20

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73	Zinc and cadmium complexes of an 18-membered N4O2 oxaza-Schiff base macrocycle and the corresponding reduced form. Journal of the Chemical Society Dalton Transactions, 1999, , 4131-4137.	1.1	27
74	The template synthesis and X-ray crystal structure of the first dinuclear lanthanide(III) iminophenolate cryptate. Chemical Communications, 1999, , 125-126.	2.2	30
75	Barium Templating Schiff-Base Lateral Macrobicycles. Inorganic Chemistry, 1999, 38, 1937-1944.	1.9	35
76	Lanthanide(III) complexes of two oxazadiazine macrocyclic ligands derived from 2,6-diformylpyridine: the crystal structures of a reduced macrocyclic ligand and the corresponding diprotonated macrocycle. Inorganica Chimica Acta, 1998, 282, 42-49.	1.2	16
77	Complexes of lead(II) and lanthanide(III) ions with two novel 26-membered-imine and -amine macrocycles derived from 2,6-bis(2-formylphenoxy)methyl)pyridine. Inorganica Chimica Acta, 1998, 267, 55-62.	1.2	37
78	Complexes of lanthanide(III) ions with 18-membered Schiff-base macrocycles. Polyhedron, 1998, 17, 1759-1765.	1.0	9
79	Four Novel N3O4 Donor Macrocycles and their Lanthanide(III) Complexes. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 1998, 53, 1445-1454.	0.3	6
80	One-Pot Synthesis of Lanthanide and Yttrium Cryptates Containing Pyridine Units. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 1997, 52, 1273-1277.	0.3	4
81	Metal template synthesis of lanthanide cryptates. Crystal structure of a dysprosium cryptate. Journal of the Chemical Society Dalton Transactions, 1997, , 409-414.	1.1	29
82	Complexes of lead(II) and lanthanide(III) ions with a macrocyclic ligand containing a furan head unit. Crystal structure of a methanol inclusion compound of a novel macrocycle. Polyhedron, 1997, 16, 567-572.	1.0	24
83	Complexes of lanthanide(III) ions with macrocyclic ligands containing pyridine head units. Journal of the Chemical Society Dalton Transactions, 1996, , 1493-1497.	1.1	32
84	Coordination compounds of dimethylthallium(III) with 5-(2-pyridinylmethylene)rhodanine or 5-(2-pyridinylmethylene)-2-thiohydantoin: an unusual case of desmotropic isomerism. Inorganica Chimica Acta, 1995, 238, 129-137.	1.2	28
85	Complexes of Ti(IV) with Schiff Bases Containing Pyridine and N-Methylpyrrole. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 1994, 24, 1613-1629.	1.8	3
86	Complexes of lanthanide ions with a Schiff-base macrocyclic ligand derived from 2,6-diformylpyridine. Journal of the Chemical Society Dalton Transactions, 1994, , 1185-1188.	1.1	18
87	The synthesis of zinc(II) complexes of 2-(2-mercaptophenyl)-iminophenol by electrochemical cleavage of a disulfide bond; the crystal structure of {Zn(2,2'-bipyridine)[2-(2-mercaptophenyl)-iminophenol]} ₂ . Journal of the Chemical Society Dalton Transactions, 1993, , 1185-1188.	1.1	18
88	Complexes derived from 4-amino-3-methyl-5-thione-1,2,4-triazole and monoorganomercury moieties. Crystal structure of (4-amino-5-mercapto-3-methyl-1,2,4-triazolato)methylmercury(II). Journal of Organometallic Chemistry, 1993, 450, 41-45.	0.8	17
89	Electrochemical synthesis of metal(II) complexes of schiff bases: the crystal structure of acetonitrile-bis{2-[(2-pyrrole)methylimino]-4,6-dimethylphenolato}zinc(II). Polyhedron, 1993, 12, 1391-1397.	1.0	43
90	(p-Anisaldehyde thiosemicarbazonato)dimethylthallium(III): an unusual structure for a co-ordinated thiosemicarbazone. Journal of the Chemical Society Dalton Transactions, 1993, , 353-354.	1.1	22

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91	Synthesis, spectroscopic properties and X-ray structure of dimethyl(p-dimethylaminobenzylidenerhodaninato)thallium(III). <i>Polyhedron</i> , 1992, 11, 2231-2235.	1.0	9
92	Synthesis, and spectral and X-ray characterization, of methylmercury(II) and dimethylthallium(III) complexes of 2-furanthiocarboxyhydrazide. <i>Inorganica Chimica Acta</i> , 1992, 197, 163-168.	1.2	5
93	Mono-organomercury and diorganothallium derivatives of rhodanine: Crystal structure of dimethyl(rhodaninato)thallium(III). <i>Polyhedron</i> , 1991, 10, 1465-1472.	1.0	15
94	Direct electrochemical synthesis and crystal structure of the Zinc(II) Carbamate Complex {[N-methyl-N'-[(2-pyrrolyl)-methylene]ethylenediamine][N-methyl-N-[2-[(2-pyrrolato)-methyleneamino]ethyl]carbamato]}zinc(II). <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 1990, 586, 203-208.	1.0	9
95	Comparative structural study of dimethyl(pyridine-2-thiolato)thallium(III) and dimethylbis(pyridine-2-thiolato)tin(IV). <i>Journal of the Chemical Society Dalton Transactions</i> , 1990, , 1001-1005.	1.1	54
96	The electrochemical synthesis of neutral copper(II) complexes of schiff base ligands: The crystal structures of bis-{n-[2-(3-methylpyridyl)]-5-methoxysalicylideneiminato}copper(II) and bis-{n-[2-(6-methylpyridyl)]-salicylideneiminato}copper(II). <i>Polyhedron</i> , 1989, 8, 2543-2549.	1.0	46
97	The electrochemical synthesis of neutral Nickel(II) Complexes of Schiff Base Ligands: The crystal structure of bis-{N-[2-(2-pyridyl)ethyl]salicylideneiminato}nickel(II) trihydrate. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 1989, 573, 215-222.	0.6	24
98	Preparation and crystal structure of a binuclear compound of methylmercury(II) containing bismuthiol I as a bridging ligand. <i>Journal of the Chemical Society Dalton Transactions</i> , 1989, , 1409-1411.	1.1	22
99	Synthetic, spectroscopic, and X-ray studies on methylmercury(II) and dimethylthallium(III) complexes with cyclopentanone thiosemicarbazone. <i>Journal of the Chemical Society Dalton Transactions</i> , 1989, , 1787-1791.	1.1	28
100	Thione complexes of group IIB dihalides. X-ray crystal structure of Cd(ETTC)2I2. <i>Polyhedron</i> , 1988, 7, 2503-2508.	1.0	11