Miguel D Noseda

List of Publications by Year
in descending order

122	4,356	101543	118850
papers	citations	36 h-index	62 g-index

126	126	126	4697
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Thermal stability and degradation of meso-tetraphenylporphyrins bearing nitrogen-containing substituents. Journal of Thermal Analysis and Calorimetry, 2022, 147, 6755-6764.	3.6	1
2	A new porphyrin as selective substrate-based inhibitor of breast cancer resistance protein (BCRP/ABCG2). Chemico-Biological Interactions, 2022, 351, 109718.	4.0	4
3	Obtaining Hexoses from Chitosan through Depolymerization with Nitrous Acid. Current Organic Synthesis, 2022, 19, 767-771.	1.3	1
4	Lignin from oil palm empty fruit bunches: Characterization, biological activities and application in green synthesis of silver nanoparticles. International Journal of Biological Macromolecules, 2021, 167, 1499-1507.	7.5	18
5	Pentose-rich hydrolysate from oil palm empty fruit bunches for Î²-glucan production using Pichia jadinii and Cyberlindnera jadinii. Bioresource Technology, 2021, 320, 124212.	9.6	1
6	Production of astaxanthin by Haematococcus pluvialis: Lab processes to scale up including the cost considerations. , 2021, , 121-130.		8
7	Semi-synthesis of N-alkyl-kappa-carrageenan derivatives and evaluation of their antibacterial activity. Carbohydrate Research, 2021, 499, 108234.	2.3	9
8	Efficient use of biomass and extract of the microalga Desmodesmus subspicatus (Scenedesmaceae) in asymbiotic seed germination and seedling development of the orchid Cattleya warneri. Journal of Applied Phycology, 2021, 33, 2189-2207.	2.8	5
9	Rice vinasse treatment by immobilized Synechococcus pevalekii and its effect on Dunaliella salina cultivation. Bioprocess and Biosystems Engineering, 2021, 44, 1477-1490.	3.4	8
10	Advances in microalgal cell wall polysaccharides: a review focused on structure, production, and biological application. Critical Reviews in Biotechnology, 2021, , 1-16.	9.0	9
11	Ulva intestinalis Extract Acts as Biostimulant and Modulates Metabolites and Hormone Balance in Basil (Ocimum basilicum L.) and Parsley (Petroselinum crispum L.). Plants, 2021, 10, 1391.	3.5	12
12	Chemical structure of native and modified sulfated heterorhamnans from the green seaweed Gayralia brasiliensis and their cytotoxic effect on U87MG human glioma cells. International Journal of Biological Macromolecules, 2021, 187, 710-721.	7.5	3
13	Synthesis of C6-amino agarose and evaluation of its antibacterial activity. Carbohydrate Research, 2021, 507, 108387.	2.3	4
14	Semi-synthesis of hybrid ulvan-kappa-carrabiose polysaccharides and evaluation of their cytotoxic and anticoagulant effects. Carbohydrate Polymers, 2021, 267, 118161.	10.2	4
15	Plant growth biostimulant activity of the green microalga Desmodesmus subspicatus. Algal Research, 2021, 59, 102434.	4.6	18
16	Characterization of polysaccharides from cystocarpic and tetrasporic stages of Sub-Antarctic Iridaea cordata. Algal Research, 2021, 60, 102503.	4.6	5
17	Synthesis and photophysical evaluation of meso-phenyl-1,4-dihydropyridineand pyridine-porphyrin hybrids. Chemistry of Heterocyclic Compounds, 2021, 57, 1195-1203.	1.2	1
18	Effect of microalgae Messastrum gracile and Chlorella vulgaris on the in vitro propagation of orchid Cattleya labiata. Journal of Applied Phycology, 2020, 32, 4013-4027.	2.8	7

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19	Improved in vitro development of Epidendrum secundum (Orchidaceae) by using aqueous extract of the seaweed Kappaphycus alvarezii (Rhodophyta, Solieriaceae). Acta Physiologiae Plantarum, 2020, 42, 1.	2.1	6
20	Marine Microalgae Biomolecules and Their Adhesion Capacity to Salmonella enterica sv. Typhimurium. Applied Sciences (Switzerland), 2020, 10, 2239.	2.5	4
21	Conformational analysis of ulvans from Ulva fasciata and their anticoagulant polycarboxylic derivatives. International Journal of Biological Macromolecules, 2020, 162, 599-608.	7.5	18
22	A comparative study of extraction techniques for maximum recovery of bioactive compounds from Ganoderma lucidum spores. Revista Colombiana De Ciencias QuÃmico FarmacÃ©uticas, 2020, 49, .	0.1	1
23	Production, characterization, and biological activity of a chitin-like EPS produced by Mortierella alpina under submerged fermentation. Carbohydrate Polymers, 2020, 247, 116716.	10.2	11
24	Non-Cytotoxic Sulfated Heterorhamnan from Gayralia brasiliensis Green Seaweed Reduces Driver Features of Melanoma Metastatic Progression. Marine Biotechnology, 2020, 22, 194-206.	2.4	10
25	Effects of different culture media on physiological features and laboratory scale production cost of Dunaliella salina. Biotechnology Reports (Amsterdam, Netherlands), 2020, 27, e00508.	4.4	22
26	Biomass production and harvesting of Desmodesmus subspicatus cultivated in flat plate photobioreactor using chitosan as flocculant agent. Journal of Applied Phycology, 2019, 31, 857-866.	2.8	24
27	Modified soybean meal polysaccharide with high adhesion capacity to Salmonella. International Journal of Biological Macromolecules, 2019, 139, 1074-1084.	7.5	5
28	Potential Utilization of a Sulfated Agaran Isolated from the Red Seaweed Laurencia aldingensis Against Toxic Effects of the Venom of the Snake, Lachesis muta. Toxicon, 2019, 168, S38.	1.6	0
29	1,4-Dihydropyridine/BF3OEt2 for the reduction of imines: Influences of the amount of added BF3OEt2 and the substitution at N-1 and C-4 of the dihydropyridine ring. Tetrahedron Letters, 2019, 60, 151129.	1.4	2
30	Media effects on laboratory scale production costs of Haematococcus pluvialis biomass. Bioresource Technology Reports, 2019, 7, 100236.	2.7	13
31	Chemical structure and snake antivenom properties of sulfated agarans obtained from Laurencia dendroidea (Ceramiales, Rhodophyta). Carbohydrate Polymers, 2019, 218, 136-144.	10.2	7
32	Effects of carboxyl group on the anticoagulant activity of oxidized carrageenans. Carbohydrate Polymers, 2019, 214, 286-293.	10.2	37
33	Monitoring of Î²-carrageenan depolymerization by capillary electrophoresis and semisynthesis of oligosaccharide alditols. Carbohydrate Polymers, 2019, 208, 152-160.	10.2	8
34	CARACTERIZAÃ‡ÃƒO QUÃMICA E AVALIAÃ‡ÃƒO DA CITOTOXICIDADE DE UM HETEROPOLISSACARÃDEO ISOLADO DA BIOMASSA DO Colletotrichum gloeosporioides. Quimica Nova, 2019, , .	0.3	0
35	Optimization of culture conditions for kefiran production in whey: The structural and biocidal properties of the resulting polysaccharide. Bioactive Carbohydrates and Dietary Fibre, 2018, 16, 14-21.	2.7	24
36	Effects of extracts and isolated molecules of two species of Gracilaria (Gracilariales, Rhodophyta) on early growth of lettuce. Algal Research, 2018, 32, 142-149.	4.6	15

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37	Potential Utilization of a Polysaccharide from the Marine Algae Gayralia oxysperma, as an Antivenom for Viperidae Snakebites. Marine Drugs, 2018, 16, 412.	4.6	5
38	A novel enzymatic method for the synthesis of methyl 6-O-acetyl-Î±-d-glucopyranoside using a fermented solid containing lipases produced by Burkholderia contaminans LTEB11. Process Biochemistry, 2018, 73, 86-93.	3.7	7
39	Modification of ulvans via periodate-chlorite oxidation: Chemical characterization and anticoagulant activity. Carbohydrate Polymers, 2018, 197, 631-640.	10.2	32
40	Photodynamic effect of meso-(aryl)porphyrins and meso-(1-methyl-4-pyridinium)porphyrins on HaCaT keratinocytes. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 156-161.	2.2	25
41	Conversion of citric pectin into D-galacturonic acid with high substrate loading using a fermented solid with pectinolytic activity. Biocatalysis and Agricultural Biotechnology, 2017, 11, 214-219.	3.1	10
42	Cecal Microbiota in Broilers Fed with Prebiotics. Frontiers in Genetics, 2017, 8, 153.	2.3	10
43	Aqueous semisynthesis of C-glycoside glycamines from agarose. Beilstein Journal of Organic Chemistry, 2017, 13, 1222-1229.	2.2	5
44	Kefiran-alginate gel microspheres for oral delivery of ciprofloxacin. Colloids and Surfaces B: Biointerfaces, 2016, 145, 706-715.	5.0	38
45	In vitro photodynamic inactivation of conidia of the phytopathogenic fungus Colletotrichum graminicola with cationic porphyrins. Photochemical and Photobiological Sciences, 2016, 15, 673-681.	2.9	19
46	Biological activities and thermal behavior of lignin from oil palm empty fruit bunches as potential source of chemicals of added value. Industrial Crops and Products, 2016, 94, 630-637.	5.2	45
47	Protective Effect of the Sulfated Agaran Isolated from the Red Seaweed Laurencia aldingensis Against Toxic Effects of the Venom of the Snake, Lachesis muta. Marine Biotechnology, 2016, 18, 619-629.	2.4	10
48	Sulfated Galactan from Palisada flagellifera Inhibits Toxic Effects of Lachesis muta Snake Venom. Marine Drugs, 2015, 13, 3761-3775.	4.6	8
49	Influence of Molar Mass and Concentration on the Thermogelation of Methylcelluloses. International Journal of Polymer Analysis and Characterization, 2015, 20, 110-118.	1.9	15
50	Methylcellulose, a Cellulose Derivative with Original Physical Properties and Extended Applications. Polymers, 2015, 7, 777-803.	4.5	345
51	Ulvans induce resistance against plant pathogenic fungi independently of their sulfation degree. Carbohydrate Polymers, 2015, 133, 384-390.	10.2	37
52	Investigation of anti-inflammatory and anti-proliferative activities promoted by photoactivated cationic porphyrin. Photodiagnosis and Photodynamic Therapy, 2015, 12, 444-458.	2.6	13
53	Lignin preparation from oil palm empty fruit bunches by sequential acid/alkaline treatment â€“ A biorefinery approach. Bioresource Technology, 2015, 194, 172-178.	9.6	82
54	Synthesis of pyridinium salts from N-substituted dihydropyridines with BF3OEt2 in the absence of added oxidants. Tetrahedron Letters, 2015, 56, 2001-2004.	1.4	5

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55	Acid heteropolysaccharides with potent antileishmanial effects. International Journal of Biological Macromolecules, 2015, 81, 165-170.	7.5	7
56	Sulfated heterorhamnans from the green seaweed Gayralia oxysperma: partial depolymerization, chemical structure and antitumor activity. Carbohydrate Polymers, 2015, 117, 476-485.	10.2	42
57	Interfacial Properties of Methylcelluloses: The Influence of Molar Mass. Polymers, 2014, 6, 2961-2973.	4.5	23
58	Synthesis of porphyrin glycoconjugates bearing thiourea, thiocarbamate and carbamate connecting groups: Influence of the linker on chemical and photophysical properties. Dyes and Pigments, 2014, 107, 69-80.	3.7	18
59	Structure and anti-metapneumovirus activity of sulfated galactans from the red seaweed Cryptonemia seminervis. Carbohydrate Polymers, 2014, 101, 313-323.	10.2	34
60	Supramolecular assemblies of Al3+ complexes with vitamin D3 (cholecalciferol) and phenothiazine. Encapsulation and complexation studies in Î²-cyclodextrin. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2013, 75, 137-145.	1.6	2
61	NMR and rheological study of Aloe barbadensis partially acetylated glucomannan. Carbohydrate Polymers, 2013, 94, 511-519.	10.2	79
62	Synthesis of peracetylated C-1-deoxyalditol- and C-glycoside-dipyrranes via dithioacetal derivatives. Tetrahedron Letters, 2013, 54, 1137-1140.	1.4	7
63	Selective sulfation of carrageenans and the influence of sulfate regiochemistry on anticoagulant properties. Carbohydrate Polymers, 2013, 91, 483-491.	10.2	66
64	Co-Culture of Microalgae, Cyanobacteria, and Macromycetes for Exopolysaccharides Production: Process Preliminary Optimization and Partial Characterization. Applied Biochemistry and Biotechnology, 2012, 167, 1092-1106.	2.9	49
65	Chemical structure of the complex pyruvylated and sulfated agaran from the red seaweed Palisada flagellifera (Ceramiales, Rhodophyta). Carbohydrate Research, 2012, 347, 83-94.	2.3	52
66	Chemical modifications of algal mannans and xylomannans: Effects on antiviral activity. Phytochemistry, 2012, 73, 57-64.	2.9	23
67	Differential inhibition of dengue virus infection in mammalian and mosquito cells by iota-carrageenan. Journal of General Virology, 2011, 92, 1332-1342.	2.9	63
68	Production of agaro- and carra-oligosaccharides by partial acid hydrolysis of galactans. Revista Brasileira De Farmacognosia, 2011, 21, 296-304.	1.4	20
69	Phytase produced on citric byproducts: purification and characterization. World Journal of Microbiology and Biotechnology, 2011, 27, 267-274.	3.6	20
70	Carbohydrate epitopes in glycoprotein from the opportunistic fungal pathogen Scedosporium apiospermum. Carbohydrate Polymers, 2011, 85, 349-355.	10.2	7
71	Î²-d-(1â†'4), Î²-d-(1â†'3) â€˜mixed linkageâ€™ xylans from red seaweeds of the order Nemaliales and Palmariales. Carbohydrate Research, 2011, 346, 1023-1028.	2.3	25
72	Synthesis of meso-tetraarylporphyrins using SeO2 as oxidant. Tetrahedron Letters, 2011, 52, 1441-1443.	1.4	13

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73	Matrix-assisted laser desorption/ionization time-of-flight (MALDI-TOF) mass spectrometry analysis of oligosaccharides and oligosaccharide alditols obtained by hydrolysis of agaroses and carrageenans, two important types of red seaweed polysaccharides. Carbohydrate Research, 2010, 345, 275-283.	2.3	14
74	Brown algae overproduce cell wall polysaccharides as a protection mechanism against the heavy metal toxicity. Marine Pollution Bulletin, 2010, 60, 1482-1488.	5.0	92
75	ESI-MS differential fragmentation of positional isomers of sulfated oligosaccharides derived from carrageenans and agarans. Journal of the American Society for Mass Spectrometry, 2010, 21, 1404-1416.	2.8	44
76	Carbohydrates present in the glycoprotein from conidia of the opportunistic pathogen Scedosporium prolificans. Carbohydrate Polymers, 2010, 79, 927-932.	10.2	8
77	Galactans from Cryptonemia species. Part II: Studies on the system of galactans of Cryptonemia seminervis (Halymeniales) and on the structure of major fractions. Carbohydrate Research, 2009, 344, 2364-2374.	2.3	23
78	Two galactomannan preparations from seeds from Mimosa scabrella (bracatinga): Complexation with oxovanadium(IV/V) and cytotoxicity on HeLa cells. Journal of Inorganic Biochemistry, 2009, 103, 749-757.	3.5	22
79	Sulfated mannans from the red seaweed Nemalion helminthoides of the South Atlantic. Phytochemistry, 2009, 70, 1062-1068.	2.9	42
80	Agar from Gracilaria gracilis (Gracilariales, Rhodophyta) of the Patagonic coast of Argentina â€“ Content, structure and physical properties. Bioresource Technology, 2009, 100, 1435-1441.	9.6	63
81	Production of carbohydrate building blocks from red seaweed polysaccharides. Efficient conversion of galactans into C-glycosyl aldehydes. Organic and Biomolecular Chemistry, 2009, 7, 576-588.	2.8	20
82	Dihydropyridine C-glycoconjugates by organocatalytic Hantzsch cyclocondensation. Stereoselective synthesis of Î±-threofuranose C-nucleoside enantiomers. Organic and Biomolecular Chemistry, 2009, 7, 1980.	2.8	37
83	Effects of sulfated polysaccharide and alcoholic extracts from green seaweed Ulva fasciata on anthracnose severity and growth of common bean (Phaseolus vulgaris L.). Journal of Plant Diseases and Protection, 2009, 116, 263-270.	2.9	104
84	Production and Characterization of the Exopolysaccharides Produced by Agaricus brasiliensis in Submerged Fermentation. Applied Biochemistry and Biotechnology, 2008, 151, 283-294.	2.9	35
85	First isolation and structural determination of cyclic Î²-(1â†'2)-glucans from an alga, Chlorella pyrenoidosa. Carbohydrate Research, 2008, 343, 2623-2633.	2.3	45
86	Chemical structure and antiviral activity of the sulfated heterorhamnan isolated from the green seaweed Gayralia oxysperma. Carbohydrate Research, 2008, 343, 3085-3095.	2.3	107
87	An Algal-Derived DL-Galactan Hybrid is an Efficient Preventing Agent for in vitro Dengue Virus Infection. Planta Medica, 2007, 73, 1464-1468.	1.3	54
88	Low-molecular-mass carbohydrates and soluble polysaccharides of green and red morphs of Gracilaria domingensis (Gracilariales, Rhodophyta). Botanica Marina, 2007, 50, 314-317.	1.2	17
89	Semisynthesis of Long-Chain Alkyl Ether Derivatives of Sulfated Oligosaccharides via Dibutylstannylene Acetal Intermediates. Journal of Organic Chemistry, 2007, 72, 9896-9904.	3.2	13
90	Sulfated xylomannans isolated from red seaweeds Chondrophycus papillosus and C. flagelliferus (Ceramiales) from Brazil. Carbohydrate Research, 2007, 342, 2766-2775.	2.3	30

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91	Immunostimulatory Polysaccharides fromChlorellapyrenoidosa. A New Galactofuranan. Measurement of Molecular Weight and Molecular Weight Dispersion by DOSY NMR. Biomacromolecules, 2006, 7, 2368-2376.	5.4	61
92	Chemical structure and antiviral activity of carrageenans from Meristiella gelidium against herpes simplex and dengue virus. Carbohydrate Polymers, 2006, 63, 459-465.	10.2	123
93	Effects of iota-carrageenan on the rheological properties of starches. Carbohydrate Polymers, 2006, 65, 49-57.	10.2	45
94	Complete 1H and 13C NMR assignment of digeneaside, a low-molecular-mass carbohydrate produced by red seaweeds. Carbohydrate Research, 2006, 341, 677-682.	2.3	38
95	Semi-synthesis of a 3-O-sulfated red seaweed galactan-derived disaccharide alditol. Carbohydrate Research, 2006, 341, 1753-1757.	2.3	9
96	Positional isomers of sulfated oligosaccharides obtained from agarans and carrageenans: preparation and capillary electrophoresis separation. Carbohydrate Research, 2005, 340, 2123-2134.	2.3	29
97	The antiviral activity of sulfated polysaccharides against dengue virus is dependent on virus serotype and host cell. Antiviral Research, 2005, 66, 103-110.	4.1	236
98	The system of galactans from Cryptonemia crenulata (Halymeniaceae, Halymeniales) and the structure of two major fractions. Kinetic studies on the alkaline cyclization of the unusual diad G2Sâ†'D(L)6S. Carbohydrate Research, 2005, 340, 711-722.	2.3	27
99	Isolation, characterization and structural determination of a unique type of arabinogalactan from an immunostimulatory extract of Chlorella pyrenoidosa. Carbohydrate Research, 2005, 340, 1489-1498.	2.3	61
100	Regioselective synthesis of long-chain ethers and their sulfates derived from methyl Î²-d-galactopyranoside and derivatives via dibutylstannylene acetal intermediates. Carbohydrate Research, 2005, 340, 2245-2250.	2.3	6
101	Protective effect of a natural carrageenan on genital herpes simplex virus infection in mice. Antiviral Research, 2004, 64, 137-141.	4.1	74
102	Complexation of vanadium(V) oxyanions with hexopyranose- and mannopyranoseuronic acid-containing polysaccharides: stereochemical considerations. Carbohydrate Research, 2004, 339, 771-775.	2.3	3
103	Alkali modification of carrageenans. Part V. The iota?nu hybrid carrageenan from and its cyclization to iota-carrageenan. Carbohydrate Polymers, 2004, 58, 455-460.	10.2	46
104	The structure of the agaran sulfate from Acanthophora spicifera (Rhodomelaceae, Ceramiales) and its antiviral activity. Relation between structure and antiviral activity in agarans. Carbohydrate Research, 2004, 339, 335-347.	2.3	92
105	Anti-herpes simplex virus activity of sulfated galactans from the red seaweeds Gymnogongrus griffithsiae and Cryptonemia crenulata. International Journal of Biological Macromolecules, 2004, 34, 63-71.	7.5	196
106	Ni(II) complexes with Schiff bases derived from amino sugars. Carbohydrate Research, 2003, 338, 1535-1542.	2.3	37
107	Sulfated and pyruvylated disaccharide alditols obtained from a red seaweed galactan: ESIMS and NMR approaches. Carbohydrate Research, 2002, 337, 2443-2453.	2.3	51
108	The structure of a galactan sulfate from the red seaweed Bostrychia montagnei. Carbohydrate Research, 2002, 337, 1137-1144.	2.3	36

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109	Structural studies on fucoidans from the brown seaweed Sargassum stenophyllum. Carbohydrate Research, 2001, 333, 281-293.	2.3	266
110	Inhibitory effect of sulfated galactans from the marine alga Bostrychia montagnei on herpes simplex virus replication in vitro. Phytomedicine, 2001, 8, 53-58.	5.3	94
111	Alkali modification of carrageenans. Part IV. Porphyrans as model compounds. Carbohydrate Polymers, 2000, 42, 301-305.	10.2	37
112	THE FIBRILLAR POLYSACCHARIDES AND THEIR LINKAGE TO ALGAENAN IN THE TRILAMINAR LAYER OF THE CELL WALL OF COELASTRUM SPHAERICUM (CHLOROPHYCEAE). Journal of Phycology, 1999, 35, 1025-1031.	2.3	12
113	Polysaccharides from the red seaweed Bostrychia montagnei: chemical characterization. Journal of Applied Phycology, 1999, 11, 35-40.	2.8	18
114	Polysaccharides from the red seaweed Bostrychia montagnei: chemical characterization. , 1999, , 549-554.		1
115	Selective polarity- and adsorption-guided extraction/purification ofAnnona sp. Polar acetogenins and biological assay against agricultural pests. Applied Biochemistry and Biotechnology, 1998, 70-72, 67-76.	2.9	7
116	Antiherpetic and anticoagulant properties of carrageenans from the red seaweed Gigartina skottsbergii and their cyclized derivatives: correlation between structure and biological activity. International Journal of Biological Macromolecules, 1997, 20, 97-105.	7.5	199
117	Alkali modification of carrageenansâ€"II. The cyclization of model compounds containing nonsulfated Î²-d-galactose units. Carbohydrate Polymers, 1995, 26, 1-3.	10.2	17
118	Alkali-modification of carrageenans: mechanism and kinetics in the kappa/iota-, mu/nu- and lambda-series. Carbohydrate Polymers, 1993, 20, 95-98.	10.2	80
119	Room temperature, low-field 13C-n.m.r. spectra of degraded carrageenans: Part III. Autohydrolysis of a lambda carrageenan and of its alkali-treated derivative. International Journal of Biological Macromolecules, 1993, 15, 177-181.	7.5	14
120	Methylation analysis of carrageenans from tetrasporic and cystocarpic stages of Gigartina skottsbergii. Phytochemistry, 1990, 29, 3407-3410.	2.9	30
121	Carrageenan systems from tetrasporic and cystocarpic stages of Gigartina skottsbergii. Phytochemistry, 1989, 28, 2937-2941.	2.9	52
122	Elucidation of the electronic spectrum changes of KA-Al3+ complex by potentiometric titration, FTIR, 13C RMN and Quantum Mechanics. Quimica Nova, 0, , .	0.3	2