

Mourad Elhabiri

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115
papers

3,515
citations

34
h-index

54
g-index

124
ext. papers

3,861
ext. citations

5.9
avg, IF

4.81
L-index

#	Paper	IF	Citations
115	Lanthanide Helicates Self-Assembled in Water: A New Class of Highly Stable and Luminescent Dimetallic Carboxylates. <i>Journal of the American Chemical Society</i> , 1999 , 121, 10747-10762	16.4	181
114	Acid-base actuation of [c2]daisy chains. <i>Journal of the American Chemical Society</i> , 2009 , 131, 7126-34	16.4	172
113	Isomerization mechanism in hydrazone-based rotary switches: lateral shift, rotation, or tautomerization?. <i>Journal of the American Chemical Society</i> , 2011 , 133, 9812-23	16.4	137
112	Pyochelin, a siderophore of <i>Pseudomonas aeruginosa</i> : physicochemical characterization of the iron(III), copper(II) and zinc(II) complexes. <i>Dalton Transactions</i> , 2012 , 41, 2820-34	4.3	135
111	In Vitro Antioxidant versus Metal Ion Chelating Properties of Flavonoids: A Structure-Activity Investigation. <i>PLoS ONE</i> , 2016 , 11, e0165575	3.7	118
110	Solution-phase mechanistic study and solid-state structure of a tris(bipyridinium radical cation) inclusion complex. <i>Journal of the American Chemical Society</i> , 2012 , 134, 3061-72	16.4	112
109	New aspects of anthocyanin complexation. Intramolecular copigmentation as a means for colour loss?. <i>Phytochemistry</i> , 1996 , 41, 301-8	4	97
108	Simultaneous self-assembly of a [2]catenane, a trefoil knot, and a Solomon link from a simple pair of ligands. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 9956-60	16.4	86
107	Supramolecular recognition of heteropairs of lanthanide ions: a step toward self-assembled bifunctional probes. <i>Inorganic Chemistry</i> , 2004 , 43, 515-29	5.1	86
106	Anionic RR120 dye adsorption onto raw clay: Surface properties and adsorption mechanism. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012 , 403, 69-78	5.1	81
105	Ultrafast Click Chemistry with Fluorosydones. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 12078-7	17.7	76
104	Building blocks for self-assembled porphyrinic photonic wires. <i>Organic Letters</i> , 2005 , 7, 1279-82	6.2	75
103	Self-assembly mechanism of a bimetallic europium triple-stranded helicate. <i>Journal of the American Chemical Society</i> , 2003 , 125, 1541-50	16.4	75
102	Lanthanide Homobimetallic Triple-Stranded Helicates: Insight into the Self-Assembly Mechanism. <i>European Journal of Inorganic Chemistry</i> , 2004 , 2004, 51-62	2.3	65
101	Toward iron sensors: bioinspired tripods based on fluorescent phenol-oxazoline coordination sites. <i>Inorganic Chemistry</i> , 2007 , 46, 2485-97	5.1	63
100	Electrostatic barriers in rotaxanes and pseudorotaxanes. <i>Chemistry - A European Journal</i> , 2011 , 17, 6076-88	8.8	61
99	Trivalent lanthanide ions: versatile coordination centers with unique spectroscopic and magnetic properties. <i>Journal of Alloys and Compounds</i> , 2000 , 303-304, 66-74	5.7	55

98	On the thermodynamic and kinetic investigations of a [c2]daisy chain polymer. <i>Journal of Materials Chemistry</i> , 2010 , 20, 3422		54
97	Hydroxyquinoline based binders: promising ligands for chelatotherapy?. <i>Journal of Inorganic Biochemistry</i> , 2011 , 105, 490-6	4.2	54
96	Complexation of iron(III) by catecholate-type polyphenols. <i>Inorganica Chimica Acta</i> , 2007 , 360, 353-359	2.7	52
95	Kinetic and thermodynamic investigation of the aluminium- π -anthocyanin complexation in aqueous solution. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1994 , 2587-2596		51
94	Anthocyanin-Aluminium and -Gallium complexes in aqueous solution. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1997 , 355-362		50
93	A new molecular switch: redox-driven translocation mechanism of the copper cation. <i>Chemical Communications</i> , 2002 , 1426-1427	5.8	49
92	[C-H...N] interactions mediate the templation and anion binding properties of topologically non-trivial metal-organic structures in aqueous solutions. <i>Chemical Science</i> , 2016 , 7, 2524-2531	9.4	45
91	Supramolecular click chemistry with a bisammonium-C60 substrate and a ditopic crown ether host. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 5338-41	16.4	45
90	Redox-driven switching in pseudorotaxanes. <i>New Journal of Chemistry</i> , 2009 , 33, 254	3.6	44
89	Synthesis and biological evaluation of 1,4-naphthoquinones and quinoline-5,8-diones as antimalarial and schistosomicidal agents. <i>Organic and Biomolecular Chemistry</i> , 2012 , 10, 6375-87	3.9	43
88	Supramolecular edifices and switches based on metals. <i>Coordination Chemistry Reviews</i> , 2008 , 252, 1079-1092	10.2	42
87	Anthocyanin Intramolecular Interactions. A New Mathematical Approach To Account for the Remarkable Colorant Properties of the Pigments Extracted from <i>Matthiola incana</i> . <i>Journal of the American Chemical Society</i> , 1996 , 118, 4788-4793	16.4	42
86	Supramolecular click chemistry for the self-assembly of a stable Zn(II)-porphyrin-C60 conjugate. <i>Chemical Communications</i> , 2005 , 5736-8	5.8	41
85	Lanthanide complexes with a p-tert-butylcalix[4]arene fitted with phosphinoyl pendant arms. <i>Journal of the Chemical Society Dalton Transactions</i> , 1999 , 3919-3925		37
84	A convenient method for conversion of flavonols into anthocyanins. <i>Tetrahedron Letters</i> , 1995 , 36, 4611-4614	4.14	36
83	Synthesis of fullerodendrons with an ammonium unit at the focal point and their cooperative self-assembly on a fluorescent ditopic crown ether receptor. <i>Chemistry - A European Journal</i> , 2006 , 12, 3365-73	4.8	35
82	Acid-base sensors based on novel quinone-type dyes. <i>Chemistry - A European Journal</i> , 2004 , 10, 134-41	4.8	34
81	Intramolecular redox-induced dimerization in a viologen dendrimer. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 2302	7.1	33

- 80 The first lanthanide-containing helicates self-assembled in water. *Chemical Communications*, **1998**, 2347-2348 30
- 79 Reactivity of molecular dioxygen towards a series of isostructural dichloroiron(III) complexes with tripodal tetraamine ligands: general access to mu-oxodiiron(III) complexes and effect of alpha-fluorination on the reaction kinetics. *Chemistry - A European Journal*, **2008**, 14, 6742-53 4.8 30
- 78 Cooperative recognition of C60-ammonium substrates by a ditopic oligophenylenevinylene/crown ether host. *Chemistry - A European Journal*, **2005**, 11, 4793-8 4.8 30
- 77 Redox-Responsive Viologen-Mediated Self-Assembly of CB[7]-Modified Patchy Particles. *Langmuir*, **2016**, 32, 7144-50 4 29
- 76 Contrasting effects of pyoverdine on the phytoextraction of Cu and Cd in a calcareous soil. *Chemosphere*, **2014**, 103, 212-9 8.4 29
- 75 Interactions of the antimalarial drug methylene blue with methemoglobin and heme targets in *Plasmodium falciparum*: a physico-biochemical study. *Antioxidants and Redox Signaling*, **2012**, 17, 544-54 8.4 29
- 74 Simultaneous Self-Assembly of a [2]Catenane, a Trefoil Knot, and a Solomon Link from a Simple Pair of Ligands. *Angewandte Chemie*, **2013**, 125, 10140-10144 3.6 27
- 73 Formation of very stable and selective Cu(II) complexes with a non-macrocyclic ligand: can basicity rival pre-organization?. *Dalton Transactions*, **2010**, 39, 9055-62 4.3 27
- 72 Ferrioxamine B analogues: targeting the FoxA uptake system in the pathogenic *Yersinia enterocolitica*. *Journal of the American Chemical Society*, **2005**, 127, 1137-45 16.4 27
- 71 Highly relaxing gadolinium based MRI contrast agents responsive to Mg²⁺ sensing. *Chemical Communications*, **2012**, 48, 4085-7 5.8 26
- 70 "Primitive" membrane from polyprenyl phosphates and polyprenyl alcohols. *Chemistry and Biology*, **2007**, 14, 313-9 26
- 69 Azacalixpyrin: the hidden porphyrin cousin brought to light. *Angewandte Chemie - International Edition*, **2013**, 52, 6250-4 16.4 25
- 68 Arylmethylamino steroids as antiparasitic agents. *Nature Communications*, **2017**, 8, 14478 17.4 24
- 67 Electrochemical properties of substituted 2-methyl-1,4-naphthoquinones: redox behavior predictions. *Chemistry - A European Journal*, **2015**, 21, 3415-24 4.8 24
- 66 Dendrimers with a copper(I) bis(phenanthroline) core: synthesis, electronic properties, and kinetics. *Inorganic Chemistry*, **2004**, 43, 3200-9 5.1 24
- 65 Radical-cation dimerization overwhelms inclusion in [N]pseudorotaxanes. *Chemistry - A European Journal*, **2014**, 20, 7334-44 4.8 23
- 64 Ammonium-crown ether interactions for the construction of fullerene-containing photoactive supramolecular devices. *Comptes Rendus Chimie*, **2006**, 9, 1022-1030 2.7 23
- 63 Effect of a halogenide substituent on the stability and photophysical properties of lanthanide triple-stranded helicates with ditopic ligands derived from bis(benzimidazolyl)pyridine. *Dalton Transactions RSC*, **2000**, 2031-2043 23

62	Allosteric effects in norbadione A. A clue for the accumulation process of ^{137}Cs in mushrooms?. <i>Chemical Communications</i> , 2002 , 944-5	5.8	22
61	Redox Polypharmacology as an Emerging Strategy to Combat Malarial Parasites. <i>ChemMedChem</i> , 2016 , 11, 1339-51	3.7	21
60	Importance of outer-sphere and aggregation phenomena in the relaxation properties of phosphonated gadolinium complexes with potential applications as MRI contrast agents. <i>Chemistry - A European Journal</i> , 2015 , 21, 6535-46	4.8	20
59	Large photoactive supramolecular ensembles prepared from C ₆₀ pyridine substrates and multi-Zn(II)porphyrin receptors. <i>New Journal of Chemistry</i> , 2008 , 32, 159-165	3.6	20
58	Ultrafast Click Chemistry with Fluorosydnones. <i>Angewandte Chemie</i> , 2016 , 128, 12252-12256	3.6	19
57	Beneficial effects of quercetin-iron complexes on serum and tissue lipids and redox status in obese rats. <i>Journal of Nutritional Biochemistry</i> , 2016 , 29, 107-15	6.3	19
56	Antimalarial NADPH-Consuming Redox-Cyclers As Superior Glucose-6-Phosphate Dehydrogenase Deficiency Copycats. <i>Antioxidants and Redox Signaling</i> , 2015 , 22, 1337-51	8.4	19
55	Effect of pyoverdine supply on cadmium and nickel complexation and phytoavailability in hydroponics. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 2106-16	5.1	18
54	Synthesis, characterization and photophysical properties of benzidine-based compounds. <i>Tetrahedron</i> , 2008 , 64, 6522-6529	2.4	18
53	Iron(III) uptake and release by chrysoactin, a siderophore of the phytopathogenic bacterium <i>Erwinia chrysanthemi</i> . <i>Inorganic Chemistry</i> , 2008 , 47, 9419-30	5.1	17
52	Reinforcing effect of bi- and tri-cyclopolyprenols on primitive membranes made of polyprenyl phosphates. <i>Tetrahedron</i> , 2007 , 63, 3395-3407	2.4	17
51	Photoexcitation of europium(III) in various electrolytes: Dependence of the luminescence lifetime on the type of salts and the ionic strength. <i>Radiochimica Acta</i> , 2003 , 91, 37-44	1.9	17
50	Supramolecular Click Chemistry with a Bisammonium-C ₆₀ Substrate and a Ditopic Crown Ether Host. <i>Angewandte Chemie</i> , 2005 , 117, 5472-5475	3.6	16
49	Synthesis and Properties of the Emerging Azacalix[14]arenes. <i>European Journal of Organic Chemistry</i> , 2011 , 2011, 1914-1921	3.2	15
48	Membrane properties of branched polyprenyl phosphates, postulated as primitive membrane constituents. <i>Chemistry and Biodiversity</i> , 2006 , 3, 434-55	2.5	15
47	A physico-biochemical study on potential redox-cyclers as antimalarial and anti-schistosomal drugs. <i>Current Pharmaceutical Design</i> , 2012 , 18, 3539-66	3.3	15
46	Self-Assembled Triple-Stranded Lanthanide Dimetallic Helicates with a Ditopic Ligand Derived from Bis(benzimidazole)pyridine and Featuring an (4-Isothiocyanatophenyl)ethynyl Substituent. <i>Helvetica Chimica Acta</i> , 2002 , 85, 1915	2	14
45	A Practical and Economical High-Yielding, Six-Step Sequence Synthesis of a Flavone: Application to the Multigram-Scale Synthesis of Ladanein. <i>Organic Process Research and Development</i> , 2014 , 18, 613-617	3.9	13

44	Highly stable acyclic bifunctional chelator for ^{64}Cu PET imaging. <i>Radiochimica Acta</i> , 2011 , 99, 663-678	1.9	13
43	Sulphur-rich functionalized calix[4]arenes for selective complexation of Hg over Cu, Zn and Cd. <i>Dalton Transactions</i> , 2016 , 45, 15211-15224	4.3	12
42	Proton-assisted dissociation of a triple-stranded dinuclear europium helicate. <i>New Journal of Chemistry</i> , 2004 , 28, 1096-1099	3.6	12
41	Ground- and excited-state properties of some naphthoflavyliums. <i>Canadian Journal of Chemistry</i> , 1996 , 74, 697-706	0.9	12
40	Step by Step Assembly of Polynuclear Lanthanide Complexes with a Phosphonated Bipyridine Ligand. <i>Inorganic Chemistry</i> , 2016 , 55, 12962-12974	5.1	12
39	A new bis-tetraamine ligand with a chromophoric 4-(9-anthracenyl)-2,6-dimethylpyridinyl linker for glyphosate and ATP sensing. <i>Dalton Transactions</i> , 2013 , 42, 4859-72	4.3	11
38	Phosphonated chelates for nuclear imaging. <i>Organic and Biomolecular Chemistry</i> , 2014 , 12, 9601-20	3.9	11
37	Azacalixpyrins as NIR photoacoustic contrast agents. <i>Chemical Communications</i> , 2018 , 54, 12365-12368	5.8	11
36	Understanding the tautomerism in azacalixpyrins. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 9608-15	3.6	10
35	Cu^{2+} coordination properties of a 2-pyridine heptaamine tripod: characterization and binding mechanism. <i>Inorganic Chemistry</i> , 2009 , 48, 8985-97	5.1	10
34	Molecular tools for the self-assembly of bisporphyrin photodyads: a comprehensive physicochemical and photophysical study. <i>Inorganic Chemistry</i> , 2009 , 48, 3743-54	5.1	10
33	Highly chelating stellate mesoporous silica nanoparticles for specific iron removal from biological media. <i>Journal of Colloid and Interface Science</i> , 2020 , 579, 140-151	9.3	9
32	1,3-Alternate Tetraamido-Azacalix[4]arenes as Selective Anion Receptors. <i>Chemistry - A European Journal</i> , 2016 , 22, 5756-66	4.8	9
31	Fused Azacalix[4]arenes. <i>European Journal of Organic Chemistry</i> , 2014 , 2014, 745-752	3.2	9
30	Recognition of imidazoles by strapped zinc(II) porphyrin receptors: insight into the induced-fit mechanism. <i>Inorganic Chemistry</i> , 2007 , 46, 9534-6	5.1	9
29	Equilibrium and kinetic studies of ligand BMXD complexation with copper(II) and glycylglycine. <i>Inorganica Chimica Acta</i> , 2004 , 357, 2261-2268	2.7	8
28	Azacalixpyrin: The Hidden Porphyrin Cousin Brought to Light. <i>Angewandte Chemie</i> , 2013 , 125, 6370-6374	3.6	7
27	Pharmacomodulation of the Antimalarial Plasmodione: Synthesis of Biaryl- and N-Arylalkylamine Analogues, Antimalarial Activities and Physicochemical Properties. <i>Molecules</i> , 2017 , 22,	4.8	6

26	Why are the anionic porphyrins so efficient to induce plant cell death? A structure-activity relationship study to solve the puzzle. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019 , 368, 276-289	4.7	6
25	Topological transformation of a trefoil knot into a [2]catenane. <i>Dalton Transactions</i> , 2017 , 46, 16474-16479	4.9	5
24	Physicochemical Properties Govern the Activity of Potent Antiviral Flavones. <i>ACS Omega</i> , 2019 , 4, 4871-4887	4.9	5
23	Di- vs. tetra-substituted quinonediimines: a drastic effect on coordination chemistry. <i>Dalton Transactions</i> , 2017 , 46, 12794-12803	4.3	5
22	Tuning the copper(ii) coordination properties of cyclam by subtle chemical modifications. <i>Dalton Transactions</i> , 2017 , 46, 11479-11490	4.3	5
21	A novel type of membrane based on cholesteryl phosphocholine, cholesteryl phosphate, or sitosteryl phosphate, and dimyristoylglycerol. <i>Chemistry and Biodiversity</i> , 2006 , 3, 198-209	2.5	5
20	Formation of Heteropolynuclear Lanthanide Complexes Using Macrocyclic Phosphonated Cyclam-Based Ligands. <i>Inorganic Chemistry</i> , 2020 , 59, 10311-10327	5.1	4
19	Iron(III) coordination properties of ladanein, a flavone lead with a broad-spectrum antiviral activity. <i>New Journal of Chemistry</i> , 2018 , 42, 8074-8087	3.6	4
18	A Redox-Active Fluorescent pH Indicator for Detecting Plasmodium falciparum Strains with Reduced Responsiveness to Quinoline Antimalarial Drugs. <i>ACS Infectious Diseases</i> , 2017 , 3, 119-131	5.5	4
17	A macrocyclic supramolecular complex obtained from a fullerene ligand bearing two pyridine substituents and a bis-Zn(II)-porphyrin receptor. <i>Journal of Porphyrins and Phthalocyanines</i> , 2006 , 10, 1337-1345	1.8	4
16	The parasitophorous vacuole nutrient channel is critical for drug access in malaria parasites and modulates the artemisinin resistance fitness cost. <i>Cell Host and Microbe</i> , 2021 , 29, 1774-1787.e9	23.4	4
15	A Mild and Versatile Friedel-Crafts Methodology for the Diversity-Oriented Synthesis of Redox-Active 3-Benzoylmenadiones with Tunable Redox Potentials. <i>Chemistry - A European Journal</i> , 2020 , 26, 3314-3325	4.8	4
14	Alterations of hepatocyte function with free radical generators and reparation or prevention with coffee polyphenols. <i>Free Radical Research</i> , 2017 , 51, 294-305	4	3
13	A physico-chemical investigation of fluorine-enriched quinolines. <i>New Journal of Chemistry</i> , 2018 , 42, 10036-10047	3.6	3
12	Oral Supplementation Effect of Iron and its Complex Form With Quercetin on Oxidant Status and on Redistribution of Essential Metals in Organs of Streptozotocin Diabetic Rats. <i>Romanian Journal of Diabetes Nutrition and Metabolic Diseases</i> , 2019 , 26, 39-53	0.2	3
11	A Class of Valuable (Pro-)Activity-Based Protein Profiling Probes: Application to the Redox-Active Antiplasmodial Agent, Plasmodione. <i>Jacs Au</i> , 2021 , 1, 669-689		3
10	Small Panchromatic and NIR Absorbers from Quinoid Zwitterions. <i>Organic Letters</i> , 2020 , 22, 7997-8001	6.2	2
9	Ferredoxin-NADP Reductase-Catalyzed Redox Cycling of Plasmodione Generates Both Predicted Key Drug Metabolites: Implication for Antimalarial Drug Development. <i>ACS Infectious Diseases</i> , 2021 , 7, 1996-2012	5.5	2

8	Direct C ⁶⁰ Radical Alkylation of 1,4-Quinones. <i>European Journal of Organic Chemistry</i> , 2021 , 2021, 3622-3633	3.3	2
7	Cyclam-Based Chelators Bearing Phosphonated Pyridine Pendants for Cu-PET Imaging: Synthesis, Physicochemical Studies, Radiolabeling, and Bioimaging. <i>Inorganic Chemistry</i> , 2021 , 60, 2634-2648	5.1	2
6	Magnesium Complexes of Ladanein: A Beneficial Strategy for Stabilizing Polyphenolic Antivirals. <i>European Journal of Inorganic Chemistry</i> , 2021 , 2021, 2764-2772	2.3	1
5	Viologen-cucurbituril host/guest chemistry - redox control of dimerization inclusion.. <i>RSC Advances</i> , 2021 , 11, 29543-29554	3.7	1
4	Bioinspired Photoredox Benzylolation of Quinones. <i>Journal of Organic Chemistry</i> , 2021 , 86, 10055-10066	4.2	0
3	Innenrücktitelbild: Azacalixpyrin: The Hidden Porphyrin Cousin Brought to Light (Angew. Chem. 24/2013). <i>Angewandte Chemie</i> , 2013 , 125, 6465-6465	3.6	
2	Innentitelbild: Simultaneous Self-Assembly of a [2]Catenane, a Trefoil Knot, and a Solomon Link from a Simple Pair of Ligands (Angew. Chem. 38/2013). <i>Angewandte Chemie</i> , 2013 , 125, 10046-10046	3.6	
1	Protective Effect of Natural and Synthetic Anthocyanins against Tert-butyl-hydroperoxide-induced Oxidative Damages in Normal and β -thalassemic Major Human Erythrocytes In Vitro. <i>Current Nutrition and Food Science</i> , 2020 , 17, 38-47	0.7	