Mourad Elhabiri

List of Publications by Year
in descending order

110 papers	4,203 citations	109321 35 h-index	128289 60 g-index
124 all docs	124 docs citations	124 times ranked	5374 citing authors

#	Article	IF	Citations
1	Lanthanide Helicates Self-Assembled in Water:â€‰ A New Class of Highly Stable and Luminescent Dimetallic Carboxylates. Journal of the American Chemical Society, 1999, 121, 10747-10762.	13.7	217
2	Acidâ^'Base Actuation of [c2]Daisy Chains. Journal of the American Chemical Society, 2009, 131, 7126-7134.	13.7	195
3	Pyochelin, a siderophore of Pseudomonas aeruginosa: Physicochemical characterization of the iron(iii), copper(ii) and zinc(ii) complexes. Dalton Transactions, 2012, 41, 2820.	3.3	180
4	In Vitro Antioxidant versus Metal Ion Chelating Properties of Flavonoids: A Structure-Activity Investigation. PLoS ONE, 2016, 11, e0165575.	2.5	177
5	Isomerization Mechanism in Hydrazone-Based Rotary Switches: Lateral Shift, Rotation, or Tautomerization?. Journal of the American Chemical Society, 2011, 133, 9812-9823.	13.7	166
6	New aspects of anthocyanin complexation. Intramolecular copigmentation as a means for colour loss?. Phytochemistry, 1996, 41, 301-308.	2.9	127
7	Solution-Phase Mechanistic Study and Solid-State Structure of a Tris(bipyridinium radical cation) Inclusion Complex. Journal of the American Chemical Society, 2012, 134, 3061-3072.	13.7	123
8	Anionic RR120 dye adsorption onto raw clay: Surface properties and adsorption mechanism. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2012, 403, 69-78.	4.7	108
9	Simultaneous Selfâ€Assembly of a [2]Catenane, a Trefoil Knot, and a Solomon Link from a Simple Pair of Ligands. Angewandte Chemie - International Edition, 2013, 52, 9956-9960.	13.8	99
10	Supramolecular Recognition of Heteropairs of Lanthanide Ions:â€‰ A Step toward Self-Assembled Bifunctional Probes. Inorganic Chemistry, 2004, 43, 515-529.	4.0	94
11	Ultrafast Click Chemistry with Fluorosydnones. Angewandte Chemie - International Edition, 2016, 55, 12073-12077.	13.8	93
12	Self-Assembly Mechanism of a Bimetallic Europium Triple-Stranded Helicate. Journal of the American Chemical Society, 2003, 125, 1541-1550.	13.7	90
13	Building Blocks for Self-Assembled Porphyrinic Photonic Wires. Organic Letters, 2005, 7, 1279-1282.	4.6	76
14	Lanthanide Homobimetallic Triple-Stranded Helicates: Insight into the Self-Assembly Mechanism. European Journal of Inorganic Chemistry, 2004, 2004, 51-62.	2.0	71
15	Complexation of iron(III) by catecholate-type polyphenols. Inorganica Chimica Acta, 2007, 360, 353-359.	2.4	71
16	Electrostatic Barriers in Rotaxanes and Pseudorotaxanes. Chemistry - A European Journal, 2011, 17, 6076-6087.	3.3	68
17	Toward Iron Sensors:Â Bioinspired Tripods Based on Fluorescent Phenol-oxazoline Coordination Sites. Inorganic Chemistry, 2007, 46, 2485-2497.	4.0	65
18	Hydroxyquinoline based binders: Promising ligands for chelatotherapy?. Journal of Inorganic Biochemistry, 2011, 105, 490-496.	3.5	60

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19	On the thermodynamic and kinetic investigations of a [c2]daisy chain polymer. Journal of Materials Chemistry, 2010, 20, 3422.	6.7	59
20	Trivalent lanthanide ions: versatile coordination centers with unique spectroscopic and magnetic properties. Journal of Alloys and Compounds, 2000, 303-304, 66-74.	5.5	58
21	Kinetic and thermodynamic investigation of the aluminiumâ€“anthocyanin complexation in aqueous solution. Journal of the Chemical Society Perkin Transactions II, 1994, , 2587-2596.	0.9	56
22	Anthocyaninâ€“aluminium and â€“gallium complexes in aqueous solution. Journal of the Chemical Society Perkin Transactions II, 1997, , 355-362.	0.9	56
23	Synthesis and biological evaluation of 1,4-naphthoquinones and quinoline-5,8-diones as antimalarial and schistosomicidal agents. Organic and Biomolecular Chemistry, 2012, 10, 6375.	2.8	53
24	A new molecular switch: redox-driven translocation mechanism of the copper cationElectronic supplementary information (ESI) available: Fig. S1: cyclic voltammetry of CuIILN2O2 in DMSO. See http://www.rsc.org/suppdata/cc/b2/b204145f/. Chemical Communications, 2002, , 1426-1427.	4.1	51
25	[Câ€“Hâ‹¯anion] interactions mediate the templation and anion binding properties of topologically non-trivial metalâ€“organic structures in aqueous solutions. Chemical Science, 2016, 7, 2524-2531.	7.4	50
26	Redox-driven switching in pseudorotaxanes. New Journal of Chemistry, 2009, 33, 254.	2.8	49
27	Supramolecular Click Chemistry with a Bisammonium-C60 Substrate and a Ditopic Crown Ether Host. Angewandte Chemie - International Edition, 2005, 44, 5338-5341.	13.8	48
28	Anthocyanin Intramolecular Interactions. A New Mathematical Approach To Account for the Remarkable Colorant Properties of the Pigments Extracted fromMatthiola incana. Journal of the American Chemical Society, 1996, 118, 4788-4793.	13.7	47
29	Supramolecular click chemistry for the self-assembly of a stable Zn(ii)â€“porphyrinâ€“C60 conjugate. Chemical Communications, 2005, , 5736.	4.1	45
30	Supramolecular edifices and switches based on metals. Coordination Chemistry Reviews, 2008, 252, 1079-1092.	18.8	45
31	Lanthanide complexes with a p-tert-butylcalix[4]arene fitted with phosphinoyl pendant armsâ€Šâ€. Journal of the Chemical Society Dalton Transactions, 1999, , 3919-3925.	1.1	40
32	Intramolecular redox-induced dimerization in a viologen dendrimer. Journal of Materials Chemistry C, 2013, 1, 2302.	5.5	40
33	A convenient method for conversion of flavonols into anthocyanins. Tetrahedron Letters, 1995, 36, 4611-4614.	1.4	39
34	Reactivity of Molecular Dioxygen towards a Series of Isostructural Dichloroiron(III) Complexes with Tripodal Tetraamine Ligands: General Access to Î¼â€Oxodiiron(III) Complexes and Effect of Î±â€Fluorination on the Reaction Kinetics. Chemistry - A European Journal, 2008, 14, 6742-6753.	3.3	39
35	The first lanthanide-containing helicates self-assembled in water. Chemical Communications, 1998, , 2347-2348.	4.1	36
36	Synthesis of Fullerodendrons with an Ammonium Unit at the Focal Point and Their Cooperative Self-Assembly on a Fluorescent Ditopic Crown Ether Receptor. Chemistry - A European Journal, 2006, 12, 3365-3373.	3.3	36

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37	Interactions of the Antimalarial Drug Methylene Blue with Methemoglobin and Heme Targets inPlasmodium falciparum: A Physico-Biochemical Study. Antioxidants and Redox Signaling, 2012, 17, 544-554.	5.4	36
38	Contrasting effects of pyoverdine on the phytoextraction of Cu and Cd in a calcareous soil. Chemosphere, 2014, 103, 212-219.	8.2	36
39	Arylmethylamino steroids as antiparasitic agents. Nature Communications, 2017, 8, 14478.	12.8	36
40	Acidâ€“Base Sensors Based on Novel Quinone-Type Dyes. Chemistry - A European Journal, 2004, 10, 134-141.	3.3	35
41	Electrochemical Properties of Substituted 2â€Methylâ€1,4â€Naphthoquinones: Redox Behavior Predictions. Chemistry - A European Journal, 2015, 21, 3415-3424.	3.3	35
42	Cooperative Recognition of C60-Ammonium Substrates by a Ditopic Oligophenylenevinylene/Crown Ether Host. Chemistry - A European Journal, 2005, 11, 4793-4798.	3.3	32
43	â€œPrimitiveâ€•Membrane from Polyprenyl Phosphates and Polyprenyl Alcohols. Chemistry and Biology, 2007, 14, 313-319.	6.0	32
44	Formation of very stable and selective Cu(ii) complexes with a non-macrocyclic ligand: can basicity rival pre-organization?. Dalton Transactions, 2010, 39, 9055.	3.3	30
45	Redox-Responsive Viologen-Mediated Self-Assembly of CB[7]-Modified Patchy Particles. Langmuir, 2016, 32, 7144-7150.	3.5	30
46	Ferrioxamine B Analogues:â€‰ Targeting the FoxA Uptake System in the Pathogenic Yersinia enterocolitica. Journal of the American Chemical Society, 2005, 127, 1137-1145.	13.7	29
47	Highly relaxing gadolinium based MRI contrast agents responsive to Mg2+ sensing. Chemical Communications, 2012, 48, 4085.	4.1	28
48	Azacalixphyrin: The Hidden Porphyrin Cousin Brought to Light. Angewandte Chemie - International Edition, 2013, 52, 6250-6254.	13.8	28
49	Redox Polypharmacology as an Emerging Strategy to Combat Malarial Parasites. ChemMedChem, 2016, 11, 1339-1351.	3.2	28
50	Effect of a halogenide substituent on the stability and photophysical properties of lanthanide triple-stranded helicates with ditopic ligands derived from bis(benzimidazolyl)pyridineâ€Šâ€. Dalton Transactions RSC, 2000, , 2031-2043.	2.3	27
51	Allosteric effects in norbadione A. A clue for the accumulation process of137Cs in mushrooms?. Chemical Communications, 2002, , 944-945.	4.1	27
52	Dendrimers with a Copper(I) Bis(phenanthroline) Core:â€‰ Synthesis, Electronic Properties, and Kinetics. Inorganic Chemistry, 2004, 43, 3200-3209.	4.0	26
53	Radicalâ€Cation Dimerization Overwhelms Inclusion in [n]Pseudorotaxanes. Chemistry - A European Journal, 2014, 20, 7334-7344.	3.3	26
54	Antimalarial NADPH-Consuming Redox-Cyclers As Superior Glucose-6-Phosphate Dehydrogenase Deficiency Copycats. Antioxidants and Redox Signaling, 2015, 22, 1337-1351.	5.4	26

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55	Effect of pyoverdine supply on cadmium and nickel complexation and phytoavailability in hydroponics. Environmental Science and Pollution Research, 2015, 22, 2106-2116.	5.3	26
56	Beneficial effects of quercetinâ€“iron complexes on serum and tissue lipids and redox status in obese rats. Journal of Nutritional Biochemistry, 2016, 29, 107-115.	4.2	26
57	Importance of Outerâ€Sphere and Aggregation Phenomena in the Relaxation Properties of Phosphonated Gadolinium Complexes with Potential Applications as MRI Contrast Agents. Chemistry - A European Journal, 2015, 21, 6535-6546.	3.3	25
58	Ammoniumâ€“crown ether interactions forÂtheÂconstruction ofÂfullerene-containing photoactive supramolecular devices. Comptes Rendus Chimie, 2006, 9, 1022-1030.	0.5	23
59	Reinforcing effect of bi- and tri-cyclopolyprenols on â€˜primitiveâ€™ membranes made of polyprenyl phosphates. Tetrahedron, 2007, 63, 3395-3407.	1.9	22
60	Large photoactive supramolecular ensembles prepared from C60â€“pyridine substrates and multi-Zn(ii)â€“porphyrin receptors. New Journal of Chemistry, 2008, 32, 159-165.	2.8	21
61	The parasitophorous vacuole nutrient channel is critical for drug access in malaria parasites and modulates the artemisinin resistance fitness cost. Cell Host and Microbe, 2021, 29, 1774-1787.e9.	11.0	21
62	Ultrafast Click Chemistry with Fluorosydnones. Angewandte Chemie, 2016, 128, 12252-12256.	2.0	20
63	Photoexcitation of europium(III) in various electrolytes: Dependence of the luminescence lifetime on the type of salts and the ionic strength. Radiochimica Acta, 2003, 91, 37-44.	1.2	19
64	Synthesis, characterization and photophysical properties of benzidine-based compounds. Tetrahedron, 2008, 64, 6522-6529.	1.9	19
65	Iron(III) Uptake and Release by Chrysobactin, a Siderophore of the Phytophatogenic Bacterium Erwinia chrysanthemi. Inorganic Chemistry, 2008, 47, 9419-9430.	4.0	19
66	Highly chelating stellate mesoporous silica nanoparticles for specific iron removal from biological media. Journal of Colloid and Interface Science, 2020, 579, 140-151.	9.4	19
67	Membrane Properties of Branched Polyprenyl Phosphates, Postulated as Primitive Membrane Constituents. Chemistry and Biodiversity, 2006, 3, 434-455.	2.1	17
68	Synthesis and Properties of the Emerging Azacalix[1₄]arenes. European Journal of Organic Chemistry, 2011, 2011, 1914-1921.	2.4	16
69	1,3â€Alternate Tetraamidoâ€Azacalix[4]arenes as Selective Anion Receptors. Chemistry - A European Journal, 2016, 22, 5756-5766.	3.3	16
70	A physico-biochemical study on potential redox-cyclers as antimalarial and anti-schistosomal drugs. Current Pharmaceutical Design, 2012, 18, 3539-66.	1.9	16
71	A Practical and Economical High-Yielding, Six-Step Sequence Synthesis of a Flavone: Application to the Multigram-Scale Synthesis of Ladanein. Organic Process Research and Development, 2014, 18, 613-617.	2.7	15
72	Step by Step Assembly of Polynuclear Lanthanide Complexes with a Phosphonated Bipyridine Ligand. Inorganic Chemistry, 2016, 55, 12962-12974.	4.0	15

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73	Ground- and excited-state properties of some naphthoflavyliums. Canadian Journal of Chemistry, 1996, 74, 697-706.	1.1	14
74	Self-Assembled Triple-Stranded Lanthanide Dimetallic Helicates with a Ditopic Ligand Derived from Bis(benzimidazole)pyridine and Featuring an (4-Isothiocyanatophenyl)ethynyl Substituent. Helvetica Chimica Acta, 2002, 85, 1915.	1.6	14
75	Proton-assisted dissociation of a triple-stranded dinuclear europium helicate. New Journal of Chemistry, 2004, 28, 1096-1099.	2.8	14
76	Highly stable acyclic bifunctional chelator for 64Cu PET imaging. Radiochimica Acta, 2011, 99, 663-678.	1.2	14
77	Sulphur-rich functionalized calix[4]arenes for selective complexation of Hg²⁺over Cu²⁺, Zn²⁺and Cd²⁺. Dalton Transactions, 2016, 45, 15211-15224.	3.3	14
78	Azacalixphyrins as NIR photoacoustic contrast agents. Chemical Communications, 2018, 54, 12365-12368.	4.1	14
79	Cyclam-Based Chelators Bearing Phosphonated Pyridine Pendants for ⁶⁴Cu-PET Imaging: Synthesis, Physicochemical Studies, Radiolabeling, and Bioimaging. Inorganic Chemistry, 2021, 60, 2634-2648.	4.0	13
80	Cu²⁺ Coordination Properties of a 2-Pyridine Heptaamine Tripod: Characterization and Binding Mechanism. Inorganic Chemistry, 2009, 48, 8985-8997.	4.0	12
81	A new bis-tetraamine ligand with a chromophoric 4-(9-anthracenyl)-2,6-dimethylpyridinyl linker for glyphosate and ATP sensing. Dalton Transactions, 2013, 42, 4859.	3.3	12
82	Phosphonated chelates for nuclear imaging. Organic and Biomolecular Chemistry, 2014, 12, 9601-9620.	2.8	12
83	Physicochemical Properties Govern the Activity of Potent Antiviral Flavones. ACS Omega, 2019, 4, 4871-4887.	3.5	11
84	Molecular Tools for the Self-Assembly of Bisporphyrin Photodyads: A Comprehensive Physicochemical and Photophysical Study. Inorganic Chemistry, 2009, 48, 3743-3754.	4.0	10
85	Understanding the tautomerism in azacalixphyrins. Physical Chemistry Chemical Physics, 2016, 18, 9608-9615.	2.8	10
86	Recognition of Imidazoles by Strapped Zinc(II) Porphyrin Receptors:â€‰ Insight into the Induced-Fit Mechanism. Inorganic Chemistry, 2007, 46, 9534-9536.	4.0	9
87	Fused Azacalix[4]arenes. European Journal of Organic Chemistry, 2014, 2014, 745-752.	2.4	9
88	Tuning the copper(<scp>ii</scp>) coordination properties of cyclam by subtle chemical modifications. Dalton Transactions, 2017, 46, 11479-11490.	3.3	9
89	Iron(<scp>iii</scp>) coordination properties of ladanein, a flavone lead with a broad-spectrum antiviral activity. New Journal of Chemistry, 2018, 42, 8074-8087.	2.8	9
90	A Mild and Versatile Friedelâ€“Crafts Methodology for the Diversityâ€Oriented Synthesis of Redoxâ€Active 3â€Benzoylmenadiones with Tunable Redox Potentials. Chemistry - A European Journal, 2020, 26, 3314-3325.	3.3	9

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91	Equilibrium and kinetic studies of ligand BMXD complexation with copper(II) and glycylglycine. Inorganica Chimica Acta, 2004, 357, 2261-2268.	2.4	8
92	Why are the anionic porphyrins so efficient to induce plant cell death? A structure-activity relationship study to solve the puzzle. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 368, 276-289.	3.9	8
93	Formation of Heteropolynuclear Lanthanide Complexes Using Macrocyclic Phosphonated Cyclam-Based Ligands. Inorganic Chemistry, 2020, 59, 10311-10327.	4.0	8
94	Direct Câ’H Radical Alkylation of 1,4â€Quinones. European Journal of Organic Chemistry, 2021, 2021, 3622-3633.	2.4	8
95	Topological transformation of a trefoil knot into a [2]catenane. Dalton Transactions, 2017, 46, 16474-16479.	3.3	7
96	Di- vs. tetra-substituted quinonediimines: a drastic effect on coordination chemistry. Dalton Transactions, 2017, 46, 12794-12803.	3.3	7
97	A Redox-Active Fluorescent pH Indicator for Detecting Plasmodium falciparum Strains with Reduced Responsiveness to Quinoline Antimalarial Drugs. ACS Infectious Diseases, 2017, 3, 119-131.	3.8	7
98	Pharmacomodulation of the Antimalarial Plasmodione: Synthesis of Biaryl- and N-Arylalkylamine Analogues, Antimalarial Activities and Physicochemical Properties. Molecules, 2017, 22, 161.	3.8	7
99	Alterations of hepatocyte function with free radical generators and reparation or prevention with coffee polyphenols. Free Radical Research, 2017, 51, 294-305.	3.3	6
100	Small Panchromatic and NIR Absorbers from Quinoid Zwitterions. Organic Letters, 2020, 22, 7997-8001.	4.6	6
101	A Novel Type of Membrane Based on Cholesteryl Phosphocholine, Cholesteryl Phosphate, or Sitosteryl Phosphate, and Dimyristoylglycerol. Chemistry and Biodiversity, 2006, 3, 198-209.	2.1	5
102	A macrocyclic supramolecular complex obtained from a fullerene ligand bearing two pyridine substituents and a bis-Zn(II)-porphyrin receptor. Journal of Porphyrins and Phthalocyanines, 2006, 10, 1337-1345.	0.8	5
103	Plasmodium falciparum Ferredoxin-NADP⁺ Reductase-Catalyzed Redox Cycling of Plasmodione Generates Both Predicted Key Drug Metabolites: Implication for Antimalarial Drug Development. ACS Infectious Diseases, 2021, 7, 1996-2012.	3.8	5
104	A physico-chemical investigation of fluorine-enriched quinolines. New Journal of Chemistry, 2018, 42, 10036-10047.	2.8	4
105	A Class of Valuable (Pro-)Activity-Based Protein Profiling Probes: Application to the Redox-Active Antiplasmodial Agent, Plasmodione. Jacs Au, 2021, 1, 669-689.	7.9	4
106	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. Romanian Journal of Diabetes Nutrition and Metabolic Diseases, 2019, 26, 39-53.	0.3	4
107	Viologenâ€“cucurbituril host/guest chemistry â€“ redox control of dimerization versus inclusion. RSC Advances, 2021, 11, 29543-29554.	3.6	3
108	Bioinspired Photoredox Benzylation of Quinones. Journal of Organic Chemistry, 2021, 86, 10055-10066.	3.2	3

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109	Magnesium Complexes of Ladanein: A Beneficial Strategy for Stabilizing Polyphenolic Antivirals. European Journal of Inorganic Chemistry, 2021, 2021, 2764-2772.	2.0	1
110	Protective Effect of Natural and Synthetic Anthocyanins against Tert-butyl-hydroperoxide-induced Oxidative Damages in Normal and Î²-thalassemic Major Human Erythrocytes In Vitro. Current Nutrition and Food Science, 2020, 17, 38-47.	0.6	0