

# Mourad Elhabiri

## List of Publications by Year in descending order

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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	Viologenâ€“cucurbituril host/guest chemistry â€“ redox control of dimerization <i>versus</i> inclusion. RSC Advances, 2021, 11, 29543-29554.	3.6	3
2	Cyclam-Based Chelators Bearing Phosphonated Pyridine Pendants for <sup>64</sup> Cu-PET Imaging: Synthesis, Physicochemical Studies, Radiolabeling, and Bioimaging. Inorganic Chemistry, 2021, 60, 2634-2648.	4.0	13
3	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
4	<i>Plasmodium falciparum</i> Ferredoxin-NADP <sup>+</sup> 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
5	Magnesium Complexes of Ladanein: A Beneficial Strategy for Stabilizing Polyphenolic Antivirals. European Journal of Inorganic Chemistry, 2021, 2021, 2764-2772.	2.0	1
6	Direct Câˆ“H Radical Alkylation of 1,4â€“Quinones. European Journal of Organic Chemistry, 2021, 2021, 3622-3633.	2.4	8
7	Bioinspired Photoredox Benzoylation of Quinones. Journal of Organic Chemistry, 2021, 86, 10055-10066.	3.2	3
8	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
9	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
10	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
11	Formation of Heteropolynuclear Lanthanide Complexes Using Macrocyclic Phosphonated Cyclam-Based Ligands. Inorganic Chemistry, 2020, 59, 10311-10327.	4.0	8
12	Small Panchromatic and NIR Absorbers from Quinoid Zwitterions. Organic Letters, 2020, 22, 7997-8001.	4.6	6
13	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
14	Physicochemical Properties Govern the Activity of Potent Antiviral Flavones. ACS Omega, 2019, 4, 4871-4887.	3.5	11
15	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
16	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
17	A physico-chemical investigation of fluorine-enriched quinolines. New Journal of Chemistry, 2018, 42, 10036-10047.	2.8	4
18	Iron(III) coordination properties of ladanein, a flavone lead with a broad-spectrum antiviral activity. New Journal of Chemistry, 2018, 42, 8074-8087.	2.8	9

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19	Azacalixpyrins as NIR photoacoustic contrast agents. <i>Chemical Communications</i> , 2018, 54, 12365-12368.	4.1	14
20	Arylmethylamino steroids as antiparasitic agents. <i>Nature Communications</i> , 2017, 8, 14478.	12.8	36
21	Alterations of hepatocyte function with free radical generators and reparation or prevention with coffee polyphenols. <i>Free Radical Research</i> , 2017, 51, 294-305.	3.3	6
22	Topological transformation of a trefoil knot into a [2]catenane. <i>Dalton Transactions</i> , 2017, 46, 16474-16479.	3.3	7
23	Di- vs. tetra-substituted quinonediimines: a drastic effect on coordination chemistry. <i>Dalton Transactions</i> , 2017, 46, 12794-12803.	3.3	7
24	Tuning the copper(II) coordination properties of cyclam by subtle chemical modifications. <i>Dalton Transactions</i> , 2017, 46, 11479-11490.	3.3	9
25	A Redox-Active Fluorescent pH Indicator for Detecting <i>Plasmodium falciparum</i> Strains with Reduced Responsiveness to Quinoline Antimalarial Drugs. <i>ACS Infectious Diseases</i> , 2017, 3, 119-131.	3.8	7
26	Pharmacomodulation of the Antimalarial Plasmodione: Synthesis of Biaryl- and N-Arylalkylamine Analogues, Antimalarial Activities and Physicochemical Properties. <i>Molecules</i> , 2017, 22, 161.	3.8	7
27	Step by Step Assembly of Polynuclear Lanthanide Complexes with a Phosphonated Bipyridine Ligand. <i>Inorganic Chemistry</i> , 2016, 55, 12962-12974.	4.0	15
28	Sulphur-rich functionalized calix[4]arenes for selective complexation of Hg <sup>2+</sup> over Cu <sup>2+</sup> , Zn <sup>2+</sup> and Cd <sup>2+</sup> . <i>Dalton Transactions</i> , 2016, 45, 15211-15224.	3.3	14
29	Ultrafast Click Chemistry with Fluorosydones. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 12073-12077.	13.8	93
30	Ultrafast Click Chemistry with Fluorosydones. <i>Angewandte Chemie</i> , 2016, 128, 12252-12256.	2.0	20
31	Redox-Responsive Viologen-Mediated Self-Assembly of CB[7]-Modified Patchy Particles. <i>Langmuir</i> , 2016, 32, 7144-7150.	3.5	30
32	Redox Polypharmacology as an Emerging Strategy to Combat Malarial Parasites. <i>ChemMedChem</i> , 2016, 11, 1339-1351.	3.2	28
33	1,3-Alternate Tetraamidoazacalix[4]arenes as Selective Anion Receptors. <i>Chemistry - A European Journal</i> , 2016, 22, 5756-5766.	3.3	16
34	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, 107-115.	4.2	26
35	[Câ€“Hâ€“anion] 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.	7.4	50
36	Understanding the tautomerism in azacalixpyrins. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 9608-9615.	2.8	10

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37	In Vitro Antioxidant versus Metal Ion Chelating Properties of Flavonoids: A Structure-Activity Investigation. <i>PLoS ONE</i> , 2016, 11, e0165575.	2.5	177
38	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, 6535-6546.	3.3	25
39	Antimalarial NADPH-Consuming Redox-Cyclers As Superior Glucose-6-Phosphate Dehydrogenase Deficiency Copycats. <i>Antioxidants and Redox Signaling</i> , 2015, 22, 1337-1351.	5.4	26
40	Electrochemical Properties of Substituted 2-Methyl-1,4-Naphthoquinones: Redox Behavior Predictions. <i>Chemistry - A European Journal</i> , 2015, 21, 3415-3424.	3.3	35
41	Effect of pyoverdine supply on cadmium and nickel complexation and phytoavailability in hydroponics. <i>Environmental Science and Pollution Research</i> , 2015, 22, 2106-2116.	5.3	26
42	Radical Cation Dimerization Overwhelms Inclusion in [n]Pseudorotaxanes. <i>Chemistry - A European Journal</i> , 2014, 20, 7334-7344.	3.3	26
43	Phosphonated chelates for nuclear imaging. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 9601-9620.	2.8	12
44	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.	2.7	15
45	Contrasting effects of pyoverdine on the phytoextraction of Cu and Cd in a calcareous soil. <i>Chemosphere</i> , 2014, 103, 212-219.	8.2	36
46	Fused Azacalix[4]arenes. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 745-752.	2.4	9
47	Intramolecular redox-induced dimerization in a viologen dendrimer. <i>Journal of Materials Chemistry C</i> , 2013, 1, 2302.	5.5	40
48	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.	3.3	12
49	Azacalixphyrin: The Hidden Porphyrin Cousin Brought to Light. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 6250-6254.	13.8	28
50	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, 9956-9960.	13.8	99
51	Highly relaxing gadolinium based MRI contrast agents responsive to Mg <sup>2+</sup> sensing. <i>Chemical Communications</i> , 2012, 48, 4085.	4.1	28
52	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.	3.3	180
53	Interactions of the Antimalarial Drug Methylene Blue with Methemoglobin and Heme Targets in <i>Plasmodium falciparum</i> : A Physico-Biochemical Study. <i>Antioxidants and Redox Signaling</i> , 2012, 17, 544-554.	5.4	36
54	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, 3061-3072.	13.7	123

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55	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.	2.8	53
56	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.	4.7	108
57	A physico-biochemical study on potential redox-cyclers as antimalarial and anti-schistosomal drugs. <i>Current Pharmaceutical Design</i> , 2012, 18, 3539-66.	1.9	16
58	Isomerization Mechanism in Hydrazone-Based Rotary Switches: Lateral Shift, Rotation, or Tautomerization?. <i>Journal of the American Chemical Society</i> , 2011, 133, 9812-9823.	13.7	166
59	Synthesis and Properties of the Emerging Azacalix[1<sub>4</sub>]arenes. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 1914-1921.	2.4	16
60	Electrostatic Barriers in Rotaxanes and Pseudorotaxanes. <i>Chemistry - A European Journal</i> , 2011, 17, 6076-6087.	3.3	68
61	Hydroxyquinoline based binders: Promising ligands for chelation therapy?. <i>Journal of Inorganic Biochemistry</i> , 2011, 105, 490-496.	3.5	60
62	Highly stable acyclic bifunctional chelator for <sup>64</sup> Cu PET imaging. <i>Radiochimica Acta</i> , 2011, 99, 663-678.	1.2	14
63	On the thermodynamic and kinetic investigations of a [c <sub>2</sub> ]daisy chain polymer. <i>Journal of Materials Chemistry</i> , 2010, 20, 3422.	6.7	59
64	Formation of very stable and selective Cu(II) complexes with a non-macrocyclic ligand: can basicity rival pre-organization?. <i>Dalton Transactions</i> , 2010, 39, 9055.	3.3	30
65	Acid-Base Actuation of [c <sub>2</sub> ]Daisy Chains. <i>Journal of the American Chemical Society</i> , 2009, 131, 7126-7134.	13.7	195
66	Cu <sup>2+</sup> Coordination Properties of a 2-Pyridine Heptaamine Tripod: Characterization and Binding Mechanism. <i>Inorganic Chemistry</i> , 2009, 48, 8985-8997.	4.0	12
67	Molecular Tools for the Self-Assembly of Bisporphyrin Photodyads: A Comprehensive Physicochemical and Photophysical Study. <i>Inorganic Chemistry</i> , 2009, 48, 3743-3754.	4.0	10
68	Redox-driven switching in pseudorotaxanes. <i>New Journal of Chemistry</i> , 2009, 33, 254.	2.8	49
69	Reactivity of Molecular Dioxygen towards a Series of Isostructural Dichloroiron(III) Complexes with Tripodal Tetraamine Ligands: General Access to μ <sub>2</sub> -Oxoiron(III) Complexes and Effect of Fluorination on the Reaction Kinetics. <i>Chemistry - A European Journal</i> , 2008, 14, 6742-6753.	3.3	39
70	Supramolecular edifices and switches based on metals. <i>Coordination Chemistry Reviews</i> , 2008, 252, 1079-1092.	18.8	45
71	Synthesis, characterization and photophysical properties of benzidine-based compounds. <i>Tetrahedron</i> , 2008, 64, 6522-6529.	1.9	19
72	Large photoactive supramolecular ensembles prepared from C <sub>60</sub> -pyridine substrates and multi-Zn(II)-porphyrin receptors. <i>New Journal of Chemistry</i> , 2008, 32, 159-165.	2.8	21

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73	Iron(III) Uptake and Release by Chrysoabactin, a Siderophore of the Phytopathogenic Bacterium <i>Erwinia chrysanthemi</i> . <i>Inorganic Chemistry</i> , 2008, 47, 9419-9430.	4.0	19
74	Recognition of Imidazoles by Strapped Zinc(II) Porphyrin Receptors: Insight into the Induced-Fit Mechanism. <i>Inorganic Chemistry</i> , 2007, 46, 9534-9536.	4.0	9
75	Reinforcing effect of bi- and tri-cyclopolyprenols on "primitive" membranes made of polyprenyl phosphates. <i>Tetrahedron</i> , 2007, 63, 3395-3407.	1.9	22
76	"Primitive" Membrane from Polyprenyl Phosphates and Polyprenyl Alcohols. <i>Chemistry and Biology</i> , 2007, 14, 313-319.	6.0	32
77	Complexation of iron(III) by catecholate-type polyphenols. <i>Inorganica Chimica Acta</i> , 2007, 360, 353-359.	2.4	71
78	Toward Iron Sensors: Bioinspired Tripods Based on Fluorescent Phenol-oxazoline Coordination Sites. <i>Inorganic Chemistry</i> , 2007, 46, 2485-2497.	4.0	65
79	Ammonium "crown ether interactions for the construction of fullerene-containing photoactive supramolecular devices. <i>Comptes Rendus Chimie</i> , 2006, 9, 1022-1030.	0.5	23
80	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, 3365-3373.	3.3	36
81	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.	2.1	5
82	Membrane Properties of Branched Polyprenyl Phosphates, Postulated as Primitive Membrane Constituents. <i>Chemistry and Biodiversity</i> , 2006, 3, 434-455.	2.1	17
83	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.	0.8	5
84	Supramolecular Click Chemistry with a Bisammonium-C60 Substrate and a Ditopic Crown Ether Host. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 5338-5341.	13.8	48
85	Cooperative Recognition of C60-Ammonium Substrates by a Ditopic Oligophenylenevinylene/Crown Ether Host. <i>Chemistry - A European Journal</i> , 2005, 11, 4793-4798.	3.3	32
86	Supramolecular click chemistry for the self-assembly of a stable Zn(ii) "porphyrin" C60 conjugate. <i>Chemical Communications</i> , 2005, , 5736.	4.1	45
87	Building Blocks for Self-Assembled Porphyrinic Photonic Wires. <i>Organic Letters</i> , 2005, 7, 1279-1282.	4.6	76
88	Ferrioxamine B Analogues: Targeting the FoxA Uptake System in the Pathogenic <i>Yersinia enterocolitica</i> . <i>Journal of the American Chemical Society</i> , 2005, 127, 1137-1145.	13.7	29
89	Lanthanide Homobimetallic Triple-Stranded Helicates: Insight into the Self-Assembly Mechanism. <i>European Journal of Inorganic Chemistry</i> , 2004, 2004, 51-62.	2.0	71
90	Acid-Base Sensors Based on Novel Quinone-Type Dyes. <i>Chemistry - A European Journal</i> , 2004, 10, 134-141.	3.3	35

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91	Equilibrium and kinetic studies of ligand BMXD complexation with copper(II) and glycylglycine. <i>Inorganica Chimica Acta</i> , 2004, 357, 2261-2268.	2.4	8
92	Proton-assisted dissociation of a triple-stranded dinuclear europium helicate. <i>New Journal of Chemistry</i> , 2004, 28, 1096-1099.	2.8	14
93	Dendrimers with a Copper(I) Bis(phenanthroline) Core: Synthesis, Electronic Properties, and Kinetics. <i>Inorganic Chemistry</i> , 2004, 43, 3200-3209.	4.0	26
94	Supramolecular Recognition of Heteropairs of Lanthanide Ions: A Step toward Self-Assembled Bifunctional Probes. <i>Inorganic Chemistry</i> , 2004, 43, 515-529.	4.0	94
95	Self-Assembly Mechanism of a Bimetallic Europium Triple-Stranded Helicate. <i>Journal of the American Chemical Society</i> , 2003, 125, 1541-1550.	13.7	90
96	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.	1.2	19
97	A new molecular switch: redox-driven translocation mechanism of the copper cation. Electronic supplementary information (ESI) available: Fig. S1: cyclic voltammetry of Cu(II) in DMSO. See <a href="http://www.rsc.org/suppdata/cc/b2/b204145f/">http://www.rsc.org/suppdata/cc/b2/b204145f/</a> . <i>Chemical Communications</i> , 2002, , 1426-1427.	4.1	51
98	Allosteric effects in norbadione A. A clue for the accumulation process of <sup>137</sup> Cs in mushrooms?. <i>Chemical Communications</i> , 2002, , 944-945.	4.1	27
99	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.	1.6	14
100	Trivalent lanthanide ions: versatile coordination centers with unique spectroscopic and magnetic properties. <i>Journal of Alloys and Compounds</i> , 2000, 303-304, 66-74.	5.5	58
101	Effect of a halogenide substituent on the stability and photophysical properties of lanthanide triple-stranded helicates with ditopic ligands derived from bis(benzimidazolyl)pyridine. <i>Dalton Transactions RSC</i> , 2000, , 2031-2043.	2.3	27
102	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.	13.7	217
103	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.	1.1	40
104	The first lanthanide-containing helicates self-assembled in water. <i>Chemical Communications</i> , 1998, , 2347-2348.	4.1	36
105	Anthocyanin-aluminium and -gallium complexes in aqueous solution. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1997, , 355-362.	0.9	56
106	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.	13.7	47
107	Ground- and excited-state properties of some naphthoflavyliums. <i>Canadian Journal of Chemistry</i> , 1996, 74, 697-706.	1.1	14
108	New aspects of anthocyanin complexation. Intramolecular copigmentation as a means for colour loss?. <i>Phytochemistry</i> , 1996, 41, 301-308.	2.9	127

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109	A convenient method for conversion of flavonols into anthocyanins. <i>Tetrahedron Letters</i> , 1995, 36, 4611-4614.	1.4	39
110	Kinetic and thermodynamic investigation of the aluminium <sup>III</sup> -anthocyanin complexation in aqueous solution. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1994, , 2587-2596.	0.9	56