

Ahmed M Mansour

List of Publications by Year in descending order

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89
papers

1,930
citations

304602

22
h-index

302012

39
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92
all docs

92
docs citations

92
times ranked

1871
citing authors

#	ARTICLE	IF	CITATIONS
1	Metal complexes as a promising source for new antibiotics. <i>Chemical Science</i> , 2020, 11, 2627-2639.	3.7	290
2	Novel palladium(II) and platinum(II) complexes with 1H-benzimidazol-2-ylmethyl-N-(4-bromo-phenyl)-amine: Structural studies and anticancer activity. <i>European Journal of Medicinal Chemistry</i> , 2012, 47, 399-411.	2.6	105
3	Coordination behavior of sulfamethazine drug towards Ru(III) and Pt(II) ions: Synthesis, spectral, DFT, magnetic, electrochemical and biological activity studies. <i>Inorganica Chimica Acta</i> , 2013, 394, 436-445.	1.2	92
4	Novel Pd(II) and Pt(II) complexes of N,N-donor benzimidazole ligand: Synthesis, spectral, electrochemical, DFT studies and evaluation of biological activity. <i>Inorganica Chimica Acta</i> , 2011, 373, 249-258.	1.2	84
5	Palladium(II) and platinum(II) complexes containing benzimidazole ligands: Molecular structures, vibrational frequencies and cytotoxicity. <i>Journal of Molecular Structure</i> , 2011, 991, 108-126.	1.8	71
6	Structural and in vitro cytotoxicity studies on 1H-benzimidazol-2-ylmethyl-N-phenyl amine and its Pd(II) and Pt(II) complexes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 81, 529-543.	2.0	48
7	Molecular structures of 2-arylaminoethyl-1H-benzimidazole: Spectral, electrochemical, DFT and biological studies. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 91, 272-284.	2.0	45
8	Molecular structure of 2-chloromethyl-1H-benzimidazole hydrochloride: Single crystal, spectral, biological studies, and DFT calculations. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 86, 605-613.	2.0	42
9	Crystal structure, DFT, spectroscopic and biological activity evaluation of analgin complexes with Co(II), Ni(II) and Cu(II). <i>Dalton Transactions</i> , 2014, 43, 15950-15957.	1.6	42
10	Charge transfer complexes of 2-arylaminoethyl-1H-benzimidazole with 2,3-dichloro-5,6-dicyano-1,4-benzoquinone: Experimental and DFT studies. <i>Journal of Molecular Structure</i> , 2013, 1047, 121-135.	1.8	41
11	Lysozyme and DNA binding affinity of Pd(II) and Pt(II) complexes bearing charged N,N-pyridylbenzimidazole bidentate ligands. <i>Dalton Transactions</i> , 2018, 47, 3459-3468.	1.6	41
12	Molecular structure and spectroscopic properties of novel manganese(II) complex with sulfamethazine drug. <i>Journal of Molecular Structure</i> , 2013, 1035, 114-123.	1.8	38
13	Molecular structures of antitumor active Pd(II) and Pt(II) complexes of N,N-donor benzimidazole methyl ester. <i>Journal of Coordination Chemistry</i> , 2012, 65, 763-779.	0.8	36
14	Novel Ni(II) and Zn(II) complexes coordinated by 2-arylaminoethyl-1H-benzimidazole: Molecular structures, spectral, DFT studies and evaluation of biological activity. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 104, 134-142.	2.0	35
15	Photocatalytic degradation of methylene blue with hematite nanoparticles synthesized by thermal decomposition of fluoroquinolones oxalato-iron(III) complexes. <i>RSC Advances</i> , 2015, 5, 62052-62061.	1.7	34
16	Selective coordination ability of sulfamethazine Schiff-base ligand towards copper(II): Molecular structures, spectral and SAR study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 123, 257-266.	2.0	26
17	Synthesis, spectroscopic, electrochemical, DFT and SAR studies of nifuroxazide complexes with Pd(II), Pt(II) and Ru(II). <i>Polyhedron</i> , 2014, 78, 10-17.	1.0	25
18	The CO release properties of Ir^{2+} , Ni^{2+} , $\text{Mn}(\text{CO})_3$ tricarbonyl photoCORMs with tridentate benzimidazole coligands. <i>Inorganic Chemistry Frontiers</i> , 2017, 4, 1517-1524.	3.0	25

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19	Ru(II)-Carbonyl photoCORMs with N,N'-Benzimidazole Bidentate Ligands: Spectroscopic, Lysozyme Binding Affinity, and Biological Activity Evaluation. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 852-860.	1.0	25
20	2-[(1H-Benzimidazol-2-ylmethyl)-amino]-benzoic acid methyl ester: Crystal structure, DFT calculations and biological activity evaluation. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 81, 754-763.	2.0	24
21	Sparfloxacin charge transfer complexes with 2,3-dichloro-5,6-dicyano-1,4-benzoquinone and tetracyanoquinodimethane: Molecular structures, spectral, and DFT studies. <i>Journal of Molecular Structure</i> , 2015, 1093, 186-194.	1.8	23
22	Rapid green and blue light-induced CO release from bromazepam Mn(I) and Ru(II) carbonyls: synthesis, density functional theory and biological activity evaluation. <i>Applied Organometallic Chemistry</i> , 2017, 31, e3564.	1.7	22
23	Reactivity of visible-light induced CO releasing thiourea-based Mn(I) tricarbonyl bromide (CORM-NS1) towards lysozyme. <i>Inorganica Chimica Acta</i> , 2018, 480, 159-165.	1.2	22
24	What happens when (1H-benzimidazol-2-ylmethyl)-N-phenyl amine is added to copper(II) acetate? Spectroscopic, magnetic, and DFT studies. <i>Inorganica Chimica Acta</i> , 2013, 408, 186-192.	1.2	21
25	Synthesis, spectroscopic, DFT, cytotoxicity and antimicrobial activity of Pd(II) and Pt(II) complexes of N,N'-chelated benzimidazole derivatives. <i>Inorganica Chimica Acta</i> , 2015, 438, 76-84.	1.2	21
26	Photocatalytic degradation of methylene blue with copper(II) oxide synthesized by thermal decomposition of Flubendazole complexes. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2016, 327, 21-24.	2.0	21
27	Photoactivatable CO-Releasing Properties of {Ru(CO) ₂ }-Core Pyridylbenzimidazole Complexes and Reactivity towards Lysozyme. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 4299-4310.	1.0	21
28	Role of the Metal Center in the Modulation of the Aggregation Process of Amyloid Model Systems by Square Planar Complexes Bearing 2-(2'-pyridyl)benzimidazole Ligands. <i>Pharmaceuticals</i> , 2019, 12, 154.	1.7	21
29	Experimental and quantum chemical studies of sulfamethazine complexes with Ni(II) and Cu(II) ions. <i>Journal of Coordination Chemistry</i> , 2013, 66, 1118-1128.	0.8	20
30	Sulfamethazine copper(II) complexes as antimicrobial thermal stabilizers and co-stabilizers for rigid PVC: spectroscopic, thermal, and DFT studies. <i>RSC Advances</i> , 2015, 5, 5415-5423.	1.7	20
31	Exploring the interactions between model proteins and Pd(II) or Pt(II) compounds bearing charged N,N'-pyridylbenzimidazole bidentate ligands by X-ray crystallography. <i>Dalton Transactions</i> , 2018, 47, 10130-10138.	1.6	20
32	{Ru(CO) _x }-core terpyridine complexes: Lysozyme binding affinity, DNA and photoinduced carbon monoxide releasing properties. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 364, 406-414.	2.0	20
33	Antimicrobial properties of half-sandwich Ir(III) cyclopentadienyl complexes with pyridylbenzimidazole ligands. <i>Dalton Transactions</i> , 2020, 49, 4491-4501.	1.6	20
34	New thiocyanate potentiometric sensors based on sulfadimidine metal complexes: Experimental and theoretical studies. <i>Biosensors and Bioelectronics</i> , 2014, 57, 77-84.	5.3	19
35	Modulation of Amyloidogenic Peptide Aggregation by Photoactivatable CO-Releasing Ruthenium(II) Complexes. <i>Pharmaceuticals</i> , 2020, 13, 171.	1.7	19
36	Cytotoxicity of photoactivatable bromo tricarbonyl manganese(II) compounds against human liver carcinoma cells. <i>Dalton Transactions</i> , 2020, 49, 9294-9305.	1.6	19

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37	Hydrogen-bond effect, spectroscopic and molecular structure investigation of sulfamethazine Schiff-base: Experimental and quantum chemical calculations. <i>Journal of Molecular Structure</i> , 2013, 1040, 226-237.	1.8	18
38	Tazarotene copper complexes: Synthesis, crystal structure, DFT and biological activity evaluation. <i>Polyhedron</i> , 2016, 109, 99-106.	1.0	17
39	Protein-mediated disproportionation of Au(<i>scp</i>): insights from the structures of adducts of Au(<i>scp</i>) compounds bearing <i>N,N</i> -pyridylbenzimidazole derivatives with lysozyme. <i>Dalton Transactions</i> , 2019, 48, 14027-14035.	1.6	17
40	Thermal, spectral, DFT and biological activity evaluation of Co(II), Ni(II) and Cu(II) complexes of <i>N,S</i> -chelated benzotriazole ligand. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016, 123, 571-581.	2.0	16
41	DNA/lysozyme binding propensity and nuclease properties of benzimidazole/2,2'-bipyridine based binuclear ternary transition metal complexes. <i>RSC Advances</i> , 2019, 9, 30879-30887.	1.7	15
42	Spectroscopic and antimicrobial activity of photoactivatable tricarbonyl Mn(I) terpyridine compounds. <i>Inorganica Chimica Acta</i> , 2020, 511, 119806.	1.2	15
43	Complexes of <i>N</i> -(2-thiazolyl)-1 <i>H</i> -benzotriazole-1-carbothioamide with Pd(II), Pt(II), and Zn(II): Spectral, DFT, cytotoxicity and anti-angiogenic effect on MCF-7 cell line. <i>Inorganica Chimica Acta</i> , 2014, 423, 373-383.	1.2	14
44	Pyridylbenzimidazole-Based Gold(III) Complexes: Lysozyme Metalation, DNA Binding Studies, and Biological Activity. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 2830-2838.	1.0	14
45	Wavelength-Dependent Control of the CO Release Kinetics of Manganese(I) Tricarbonyl PhotoCORMs with Benzimidazole Coligands. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 4572-4581.	1.0	13
46	Role of Sulfonate Appendage in the Protein Binding Affinity of Half-Sandwich Ruthenium(II) (<i>η</i> ⁶ -Cym) Complexes. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 299-307.	1.0	13
47	Single crystal, spectral, computational studies and in vitro cytotoxicity of 2-chloro-3-formylpyrido[2,1- <i>a</i>]isoquinoline-1-carbonitrile derivative. <i>Journal of Molecular Structure</i> , 2013, 1045, 180-190.	1.8	12
48	Experimental and quantum chemical calculations of novel photoactivatable manganese(I) tricarbonyl complexes. <i>Journal of Organometallic Chemistry</i> , 2016, 822, 91-99.	0.8	12
49	Green-Light-Induced PhotoCORM: Lysozyme Binding Affinity towards MnI and ReI Carbonyl Complexes and Biological Activity Evaluation. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 4805-4811.	1.0	12
50	Ruthenium(II) carbon monoxide releasing molecules: Structural perspective, antimicrobial and anti-inflammatory properties. <i>Biochemical Pharmacology</i> , 2022, 199, 114991.	2.0	12
51	Blue-light induced CO releasing properties of thiourea based manganese(I) carbonyl complexes. <i>Polyhedron</i> , 2017, 131, 13-21.	1.0	11
52	Role of the ancillary ligand in controlling the lysozyme affinity and electronic properties of terpyridine fac-Re(CO) ₃ complexes. <i>Dalton Transactions</i> , 2021, 50, 1197-1201.	1.6	10
53	Pd(<i>scp</i>) and Pt(<i>scp</i>) complexes of tridentate ligands with selective toxicity against <i>Cryptococcus neoformans</i> and <i>Candida albicans</i> . <i>RSC Advances</i> , 2021, 11, 39748-39757.	1.7	10
54	DFT studies, spectral and biological activity evaluation of binary and ternary sulfamethazine Fe(III) complexes. <i>Journal of Coordination Chemistry</i> , 2014, 67, 2680-2687.	0.8	9

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55	Co(II), Ni(II) and Cu(II) complexes of methyl-5-(Phenylthio) benzimidazole-2-carbamate: Molecular structures, spectral and DFT calculations. <i>Journal of Molecular Structure</i> , 2016, 1111, 100-107.	1.8	9
56	Click cycloaddition reaction of light-triggered manganese(II) carbonyl complexes. <i>New Journal of Chemistry</i> , 2018, 42, 18418-18425.	1.4	9
57	Experimental and DFT studies of sulfadiazine π -piano-stool TM Ru(II) and Rh(III) complexes. <i>RSC Advances</i> , 2020, 10, 10673-10680.	1.7	9
58	Potentiometric Sensing of Aspirin Metabolite in Human Plasma and Pharmaceutical Preparations Using Co(III) π -complex Based Electrodes: Experimental and Quantum Chemical Calculations. <i>Electroanalysis</i> , 2016, 28, 1100-1111.	1.5	7
59	Spectroscopic, DFT, magnetic and biological activity evaluation of Pd(II), Pt(II) and Ru(III) complexes of Nitazoxanide. <i>Inorganica Chimica Acta</i> , 2016, 453, 697-703.	1.2	7
60	Visible light photoactivatable CO releasing manganese (I) tricarbonyl complexes: Experimental and DFT studies. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 335, 78-85.	2.0	7
61	Pyridylbenzimidazole based Re(I)(CO) ₃ complexes: antimicrobial activity, spectroscopic and density functional theory calculations. <i>RSC Advances</i> , 2019, 9, 15108-15114.	1.7	7
62	Spectroscopic and DFT studies of photoactivatable Mn(I) tricarbonyl complexes. <i>Applied Organometallic Chemistry</i> , 2019, 33, e4944.	1.7	7
63	DNA/bovine serum albumin binding and cytotoxicity of transition metal ternary complexes based on sulfamethazine and bromazepam drugs. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5995.	1.7	7
64	Exploring electronic structure, and substituent effect of some biologically active benzimidazole derivatives: Experimental insights and DFT calculations. <i>Journal of Molecular Structure</i> , 2021, 1223, 128996.	1.8	7
65	Co(II), Ni(II) and Cu(II) complexes of azo-aminopyrazole ligand: Spectroscopic, crystal structure and quantum chemical calculations. <i>Inorganica Chimica Acta</i> , 2015, 435, 187-193.	1.2	6
66	Structural studies and biological activity evaluation of Pd(II), Pt(II) and Ru(II) complexes containing N ¹ -phenyl, N ³ -(3 π -triazolyl)thiourea. <i>Applied Organometallic Chemistry</i> , 2018, 32, e3928.	1.7	6
67	Antifungal activity, DNA and lysozyme binding affinity of Pd(II) and Pt(II) complexes bearing N,N-pyridylbenzimidazole ligand. <i>Journal of Coordination Chemistry</i> , 2018, 71, 3381-3391.	0.8	6
68	metal ions. <i>Arabian Journal of Chemistry</i> , 2021, 14, 102932.	2.3	6
69	Light-activated cytotoxicity of dicarbonyl Ru(II) complexes with a benzimidazole coligand towards breast cancer. <i>Dalton Transactions</i> , 2021, 50, 15389-15399.	1.6	6
70	Role of the ancillary ligand in determining the antimicrobial activity of Pd(II) complexes with N ¹ N ³ N ⁵ -tridentate coligand. <i>Polyhedron</i> , 2022, 221, 115857.	1.0	6
71	Trapping of muscle relaxant methocarbamol degradation product by complexation with copper(II) ion: Spectroscopic and quantum chemical studies. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 128, 263-271.	2.0	5
72	Structural studies and quantum chemical calculations of Cr(III), Fe(III) and Ru(III) bromazepam complexes. <i>Applied Organometallic Chemistry</i> , 2017, 31, e3635.	1.7	5

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73	Terpyridine based $\text{ReX}(\text{CO})_3$ compounds ($\text{X}=\text{Br}^{\ominus}$, N_3^{\ominus} and triazolate): Spectroscopic and DFT studies. <i>Polyhedron</i> , 2021, 194, 114954.	1.0	5
74	Phototriggered cytotoxic properties of tricarbonyl manganese(I) complexes bearing Î± -diimine ligands towards HepG2. <i>Journal of Biological Inorganic Chemistry</i> , 2021, 26, 135-147.	1.1	5
75	Tricarbonyl triazolato $\text{Re}(\text{CO})_3$ compounds of pyridylbenzimidazole ligands: spectroscopic and antimicrobial activity evaluation. <i>RSC Advances</i> , 2021, 11, 22715-22722.	1.7	5
76	Photoactivatable properties of water-soluble fac- $\text{Mn}(\text{CO})_3$ bearing $\text{N}^{\ominus}\text{SO}$ bidentate pyridine ligands. <i>Polyhedron</i> , 2022, 225, 116048.	1.0	5
77	Influence of metal complex formation on the antimicrobial activity of nifuroxazide: spectroscopic, electrochemical, and DFT studies. <i>Journal of Coordination Chemistry</i> , 2016, 69, 215-226.	0.8	4
78	Photodegradation of sulfadiazine catalyzed by p-benzoquinones and picric acid: application to charge transfer complexes. <i>RSC Advances</i> , 2017, 7, 39989-39996.	1.7	4
79	Effect of metal complex formation on the antibacterial activity of nitazoxanide: Spectroscopic and density functional theory calculations. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4023.	1.7	4
80	Structural Studies, Antimicrobial Activity and Protein Interaction of Photostable Terpyridine Silver(I) Complexes. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 4020-4030.	1.0	4
81	Protein binding affinity of biologically active thiourea based half-sandwich $\text{Ru}(\text{II})$ cymene complexes. <i>Polyhedron</i> , 2020, 175, 114175.	1.0	4
82	Sulfonate improves water solubility and cell selective toxicity and alters the lysozyme binding activity of half sandwich $\text{Rh}(\text{CO})_2$ complexes. <i>Dalton Transactions</i> , 2021, 50, 10701-10706.	1.6	4
83	Half-sandwich triazolato $\text{Rh}(\text{III})$ compound of pyridylbenzimidazole ligand with cell selective toxicity towards <i>Cryptococcus neoformans</i> . <i>Journal of Organometallic Chemistry</i> , 2021, 949, 121928.	0.8	4
84	Terpyridine $\text{Zn}(\text{II})$ azide compounds: Spectroscopic and DFT calculations. <i>Journal of Molecular Structure</i> , 2021, 1242, 130737.	1.8	4
85	Potentiometric multi-walled carbon nanotube Zn -sensor based on a naphthalocyanine neutral carrier: experimental and theoretical studies. <i>RSC Advances</i> , 2015, 5, 58416-58427.	1.7	3
86	Flubendazole $\text{Pd}(\text{II})$ complexes: structural studies, cytotoxicity, and quantum chemical calculations. <i>Journal of the Iranian Chemical Society</i> , 2016, 13, 1429-1437.	1.2	3
87	Novel bis(benzothiazole-oxime)-based $\text{Pd}(\text{II})$ -complex: synthesis, characterization, quantum chemical calculations, and catalytic significance in Suzuki-Miyaura and Heck-Mizoroki cross coupling reactions. <i>Monatshefte für Chemie</i> , 2016, 147, 1197-1205.	0.9	2
88	Spectroscopic investigation of Î^{\ominus} -acceptors in the determination and photoinduced degradation of Sulfacetamide. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 228, 117821.	2.0	2
89	Bromazepam: Crystal structure, spectroscopic and quantum chemical calculations. <i>Chemical Data Collections</i> , 2017, 11-12, 11-24.	1.1	1