

# Ahmed M Abu-Dief

## List of Publications by Year in descending order

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113  
papers

6,338  
citations

47409

49  
h-index

84171

75  
g-index

115  
all docs

115  
docs citations

115  
times ranked

3607  
citing authors

#	ARTICLE	IF	CITATIONS
1	Rapidly, highly yielded and green synthesis of dihydrotetrazolo[1,5 <i>a</i> ]pyrimidine derivatives in aqueous media using recoverable Pd (II) thiazole catalyst accelerated by ultrasonic: Computational studies. <i>Applied Organometallic Chemistry</i> , 2022, 36, e6320.	1.7	25
2	Recent Advances in Mesoporous Silica Nanoparticles for Targeted Drug Delivery Applications. <i>Current Drug Delivery</i> , 2022, 19, 436-450.	0.8	28
3	Synthesis and elucidation of binuclear thiazole-based complexes from Co(II) and Cu(II) ions: Conductometry, cytotoxicity and computational implementations for various verifications. <i>Journal of Molecular Liquids</i> , 2022, 349, 118100.	2.3	14
4	Tailoring of Novel Azithromycin-Loaded Zinc Oxide Nanoparticles for Wound Healing. <i>Pharmaceutics</i> , 2022, 14, 111.	2.0	67
5	Green Biogenic Synthesis of Silver Nanoparticles Using Aqueous Extract of <i>Moringa Oleifera</i> : Access to a Powerful Antimicrobial, Anticancer, Pesticidal and Catalytic Agents. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2022, 32, 1422-1435.	1.9	28
6	Development of some magnetic metal-organic framework nano composites for pharmaceutical applications. <i>Inorganic Chemistry Communication</i> , 2022, 138, 109251.	1.8	31
7	Synthesis, structural elucidation, DFT calculation, biological studies and DNA interaction of some aryl hydrazone Cr <sup>3+</sup> , Fe <sup>3+</sup> , and Cu <sup>2+</sup> chelates. <i>Computational Biology and Chemistry</i> , 2022, 97, 107643.	1.1	66
8	Impact of Cu <sup>2+</sup> cations substitution on structural, morphological, optical and magnetic properties of Co <sub>1-x</sub> Cu <sub>x</sub> Fe <sub>2</sub> O <sub>4</sub> nanoparticles synthesized by a facile hydrothermal approach. <i>Solid State Sciences</i> , 2022, 125, 106841.	1.5	41
9	Engineered magnetic nanoparticles for environmental remediation. , 2022, , 499-524.		1
10	A higher dose of PEGylated gold nanoparticles reduces the accelerated blood clearance phenomenon effect and induces spleen B lymphocytes in albino mice. <i>Histochemistry and Cell Biology</i> , 2022, 157, 641-656.	0.8	8
11	Simulation for the behavior of new Fe(III) and Cr(III)-thiophenyl complexes towards DNA polymerase: synthesis, characterization, eukaryotic DNA and Hartree-Fock computation. <i>Chemical Papers</i> , 2022, 76, 3919-3935.	1.0	12
12	Fabrication, DFT Calculation, and Molecular Docking of Two Fe(III) Imine Chelates as Anti-COVID-19 and Pharmaceutical Drug Candidate. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3994.	1.8	34
13	Targeted synthesis of two iron(III) tetradentate dibasic chelating Schiff base complexes toward inhibition of acidic induced steel corrosion: Empirical and DFT insights. <i>Applied Organometallic Chemistry</i> , 2022, 36, .	1.7	14
14	Tailoring of some novel bis-hydrazone metal chelates, spectral based characterization and DFT calculations for pharmaceutical applications and in-silico treatments for verification. <i>Journal of Molecular Structure</i> , 2022, 1264, 133263.	1.8	36
15	Synthesis, Spectroscopic, Structural and Molecular Docking Studies of Some New Nano-Sized Ferrocene-Based Imine Chelates as Antimicrobial and Anticancer Agents. <i>Materials</i> , 2022, 15, 3678.	1.3	17
16	Optimization strategy for green synthesis of silver nanoparticles (AgNPs) as catalyst for the reduction of 2,4-dinitrophenol via supported mechanism. <i>Applied Physics A: Materials Science and Processing</i> , 2022, 128, .	1.1	11
17	Development of Metal Complexes for Treatment of Coronaviruses. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6418.	1.8	22
18	Design, Structural Inspection and Bio-Medicinal Applications of Some Novel Imine Metal Complexes Based on Acetylferrocene. <i>Materials</i> , 2022, 15, 4842.	1.3	16

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19	Tuning the luminescence performance of CdO nanoparticles via Tb <sub>2</sub> O <sub>3</sub> inclusion. <i>Physica Scripta</i> , 2022, 97, 085811.	1.2	9
20	Facile synthesis and characterization of novel Gd <sub>2</sub> O <sub>3</sub> @CdO binary mixed oxide nanocomposites of highly photocatalytic activity for wastewater remediation under solar illumination. <i>Journal of Physics and Chemistry of Solids</i> , 2021, 148, 109666.	1.9	66
21	Targeting ctDNA binding and elaborated in-vitro assessments concerning novel Schiff base complexes: Synthesis, characterization, DFT and detailed in-silico confirmation. <i>Journal of Molecular Liquids</i> , 2021, 322, 114977.	2.3	46
22	Structural, conformational and therapeutic studies on new thiazole complexes: drug-likeness and MOE-simulation assessments. <i>Research on Chemical Intermediates</i> , 2021, 47, 1979-2002.	1.3	47
23	Design, synthesis, structural inspection of Pd <sup>2+</sup> , VO <sup>2+</sup> , Mn <sup>2+</sup> , and Zn <sup>2+</sup> chelates incorporating ferrocenyl thiophenol ligand: DNA interaction and pharmaceutical studies. <i>Applied Organometallic Chemistry</i> , 2021, 35, e6169.	1.7	62
24	Development and structure elucidation of new VO <sup>2+</sup> , Mn <sup>2+</sup> , Zn <sup>2+</sup> , and Pd <sup>2+</sup> complexes based on azomethine ferrocenyl ligand: DNA interaction, antimicrobial, antioxidant, anticancer activities, and molecular docking. <i>Applied Organometallic Chemistry</i> , 2021, 35, e6154.	1.7	75
25	Novel Green Biosynthesis of 5-Fluorouracil Chromium Nanoparticles Using <i>Harpullia pendula</i> Extract for Treatment of Colorectal Cancer. <i>Pharmaceutics</i> , 2021, 13, 226.	2.0	46
26	Synthesis and characterization of Fe(III), Pd(II) and Cu(II)-thiazole complexes; DFT, pharmacophore modeling, in-vitro assay and DNA binding studies. <i>Journal of Molecular Liquids</i> , 2021, 326, 115277.	2.3	86
27	Synthesis and structural elucidation for new pyrano thiazole complexes: Biological screening and effects on DNA through in-vitro and in-silico approaches. <i>Journal of Molecular Liquids</i> , 2021, 332, 115844.	2.3	31
28	Tailoring, structural inspection of novel oxy and non-oxy metal-imine chelates for DNA interaction, pharmaceutical and molecular docking studies. <i>Polyhedron</i> , 2021, 201, 115167.	1.0	26
29	Efficient and recoverable novel pyranothiazol Pd (II), Cu (II) and Fe(III) catalysts in simple synthesis of polyfunctionalized pyrroles: Under mild conditions using ultrasonic irradiation. <i>Applied Organometallic Chemistry</i> , 2021, 35, e6370.	1.7	21
30	Development of New Thiazole Complexes as Powerful Catalysts for Synthesis of Pyrazole-4-Carbonitrile Derivatives under Ultrasonic Irradiation Condition Supported by DFT Studies. <i>ACS Omega</i> , 2021, 6, 21071-21086.	1.6	41
31	Temperature and salt effects of the kinetic reactions of substituted 2-pyridylmethylene-8-quinolyl iron (II) complexes as antimicrobial, anti-cancer, and antioxidant agents with cyanide ions. <i>Canadian Journal of Chemistry</i> , 2021, 99, 763-772.	0.6	7
32	Optimization for synthesized quinoline-based Cr <sup>3+</sup> , VO <sup>2+</sup> , Zn <sup>2+</sup> and Pd <sup>2+</sup> complexes: DNA interaction, biological assay and in-silico treatments for verification. <i>Journal of Molecular Liquids</i> , 2021, 339, 116797.	2.3	44
33	Synthesis and intensive characterization for novel Zn(II), Pd(II), Cr(III) and VO(II)-Schiff base complexes; DNA-interaction, DFT, drug-likeness and molecular docking studies. <i>Journal of Molecular Structure</i> , 2021, 1242, 130693.	1.8	92
34	Tailoring, structural elucidation, DFT calculation, DNA interaction and pharmaceutical applications of some aryl hydrazone Mn(II), Cu(II) and Fe(III) complexes. <i>Journal of Molecular Structure</i> , 2021, 1244, 131017.	1.8	66
35	Structural inspection for novel Pd(II), VO(II), Zn(II) and Cr(III)- azomethine metal chelates: DNA interaction, biological screening and theoretical treatments. <i>Journal of Molecular Structure</i> , 2021, 1246, 131139.	1.8	52
36	Development of Nanomaterials as Photo Catalysts for Environmental Applications. <i>Current Catalysis</i> , 2021, 9, 128-137.	0.5	11

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37	Recent Advances in Development of Gold Nanoparticles for Drug Delivery Systems. , 2021, 1, .		9
38	Design and nonlinear optical properties (NLO) using DFT approach of new Cr(III), VO(II), and Ni(II) chelates incorporating tri-dentate imine ligand for DNA interaction, antimicrobial, anticancer activities and molecular docking studies. Arabian Journal of Chemistry, 2020, 13, 649-670.	2.3	82
39	Synthesis, catalysis, antimicrobial activity, and DNA interactions of new Cu(II)-Schiff base complexes. Inorganic and Nano-Metal Chemistry, 2020, 50, 136-150.	0.9	31
40	Facile synthesis, X-Ray structure of new multi-substituted aryl imidazole ligand, biological screening and DNA binding of its Cr(III), Fe(III) and Cu(II) coordination compounds as potential antibiotic and anticancer drugs. Journal of Molecular Structure, 2020, 1200, 127034.	1.8	66
41	Synthesis and characterization of new Cr(III), Fe(III) and Cu(II) complexes incorporating multi-substituted aryl imidazole ligand: Structural, DFT, DNA binding, and biological implications. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 228, 117700.	2.0	107
42	A robust <i>in vitro</i> Anticancer, Antioxidant and Antimicrobial Agents Based on New Metal-azomethine Chelates Incorporating Ag(I), Pd (II) and VO (II) Cations: Probing the Aspects of DNA Interaction. Applied Organometallic Chemistry, 2020, 34, e5373.	1.7	116
43	Non-Linear Optical Property and Biological Assays of Therapeutic Potentials Under In Vitro Conditions of Pd(II), Ag(I) and Cu(II) Complexes of 5-Diethyl amino-2-({2-[(2-hydroxy-Benzylidene)-amino]-phenylimino}-methyl)-phenol. Molecules, 2020, 25, 5089.	1.7	42
44	Green Synthesis of AgNPs( <sup>+</sup> ) Utilizing <i>Delonix Regia</i> Extract as Anticancer and Antimicrobial Agents**. ChemistrySelect, 2020, 5, 13263-13268.	0.7	38
45	Chemical, physical, and biological properties of Pd(II), V(IV)O, and Ag(I) complexes of N <sub>3</sub> tridentate pyridine-based Schiff base ligand. Journal of Coordination Chemistry, 2020, 73, 3150-3173.	0.8	59
46	Dependence of the Magnetization Process on the Thickness of Fe <sub>70</sub> Pd <sub>30</sub> Nanostructured Thin Film. Materials, 2020, 13, 5788.	1.3	16
47	Impact of rare earth europium (RE-Eu <sup>3+</sup> ) ions substitution on microstructural, optical and magnetic properties of CoFe <sub>2</sub> xEuO <sub>4</sub> nanosystems. Ceramics International, 2020, 46, 16196-16209.	2.3	55
48	Antimicrobial and anticancer activities of cobalt (III)-hydrazone complexes: Solubilities and chemical potentials of transfer in different organic co-solvent-water mixtures. Journal of Molecular Liquids, 2019, 290, 111162.	2.3	56
49	Novel azomethine Pd (II)-and VO (II)-based metallo-pharmaceuticals as anticancer, antimicrobial, and antioxidant agents: Design, structural inspection, DFT investigation, and DNA interaction. Journal of Physical Organic Chemistry, 2019, 32, e4009.	0.9	59
50	Fabrication, spectroscopic characterization, calf thymus DNA binding investigation, antioxidant and anticancer activities of some antibiotic azomethine Cu(II), Pd(II), Zn(II) and Cr(III) complexes. Applied Organometallic Chemistry, 2019, 33, e4943.	1.7	102
51	Green synthesis of TiO <sub>2</sub> nanoparticles as an efficient heterogeneous catalyst with high reusability for synthesis of 1,2-dihydroquinoline derivatives. Applied Organometallic Chemistry, 2019, 33, e5005.	1.7	24
52	Some new Ag(I), VO(II) and Pd(II) chelates incorporating tridentate imine ligand: Design, synthesis, structure elucidation, density functional theory calculations for DNA interaction, antimicrobial and anticancer activities and molecular docking studies. Applied Organometallic Chemistry, 2019, 33, e4699.	1.7	97
53	Impact of Co <sup>2+</sup> Substitution on Microstructure and Magnetic Properties of Co <sub>x</sub> Zn <sub>1-x</sub> Fe <sub>2</sub> O <sub>4</sub> Nanoparticles. Nanomaterials, 2019, 9, 1602.	1.9	78
54	A Simple and Reliable Synthesis of Superparamagnetic Magnetite Nanoparticles by Thermal Decomposition of Fe(acac) <sub>3</sub> . Journal of Nanomaterials, 2019, 2019, 1-10.	1.5	26

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55	Development, structural investigation, DNA binding, antimicrobial screening and anticancer activities of two novel quadri-dentate VO(II) and Mn (II) mononuclear complexes. Journal of King Saud University - Science, 2019, 31, 52-60.	1.6	66
56	Catalytic Potential of Mononuclear Cr(III)-Imine Complexes for Selective Oxidation of Benzyl Alcohol by Aqueous H <sub>2</sub> O <sub>2</sub> . Journal of Transition Metal Complexes, 2019, 2, 1-14.	0.5	6
57	Kinetic study of humic acid adsorption onto smectite: The role of individual and blend background electrolyte. AIMS Materials Science, 2019, 6, 1176-1190.	0.7	9
58	The electric and thermoelectric properties of Cu(II)-Schiff base nano-complexes. Physica Scripta, 2018, 93, 055801.	1.2	30
59	Synthesis, characterization and photocatalysis enhancement of Eu <sub>2</sub> O <sub>3</sub> -ZnO mixed oxide nanoparticles. Journal of Physics and Chemistry of Solids, 2018, 116, 375-385.	1.9	128
60	Hydrothermal preparation and characterization of ZnFe <sub>2</sub> O <sub>4</sub> magnetic nanoparticles as an efficient heterogeneous catalyst for the synthesis of multi-substituted imidazoles and study of their anti-inflammatory activity. Applied Organometallic Chemistry, 2018, 32, e3794.	1.7	65
61	Development and functionalization of magnetic nanoparticles as powerful and green catalysts for organic synthesis. Beni-Suef University Journal of Basic and Applied Sciences, 2018, 7, 55-67.	0.8	80
62	Sonochemical synthesis, structural inspection and semiconductor behavior of three new nano sized Cu(II), Co(II) and Ni(II) chelates based on tri-dentate NOO imine ligand as precursors for metal oxides. Applied Organometallic Chemistry, 2018, 32, e4174.	1.7	53
63	Electric, thermoelectric and magnetic characterization of <sup>57</sup> Fe-Fe <sub>2</sub> O <sub>3</sub> and Co <sub>3</sub> O <sub>4</sub> nanoparticles synthesized by facile thermal decomposition of metal-Schiff base complexes. Materials Research Bulletin, 2018, 99, 103-108.	2.7	75
64	Catalytic Oxidation of Benzyl Alcohol Using Nanosized Cu/Ni Schiff-Base Complexes and Their Metal Oxide Nanoparticles. Catalysts, 2018, 8, 452.	1.6	56
65	Synthesis, theoretical investigations, biocidal screening, DNA binding, <i>in vitro</i> cytotoxicity and molecular docking of novel Cu (II), Pd (II) and Ag (I) complexes of chlorobenzylidene Schiff base: Promising antibiotic and anticancer agents. Applied Organometallic Chemistry, 2018, 32, e4527.	1.7	132
66	Electric, Thermoelectric and Magnetic Properties of Nickel(II) Imine Nanocomplexes. Nano, 2018, 13, 1850074.	0.5	17
67	The synthesis of CuO and NiO nanoparticles by facile thermal decomposition of metal-Schiff base complexes and an examination of their electric, thermoelectric and magnetic Properties. Materials Research Bulletin, 2018, 107, 492-497.	2.7	67
68	Adsorption of the Heavy Metal Ions onto Bio sorbents: A review. International Journal of Nanomaterials and Chemistry, 2018, 4, 27-39.	0.9	21
69	Disposal of Heavy Transition Cd <sup>2+</sup> Ions from Aqueous Solution Utilizing Nanosized Flamboyant Pod (Delonix regia). Journal of Transition Metal Complexes, 2018, 1, 1-10.	0.5	5
70	Three novel Ni(II), VO(II) and Cr(III) mononuclear complexes encompassing potentially tridentate imine ligand: Synthesis, structural characterization, DNA interaction, antimicrobial evaluation and anticancer activity. Applied Organometallic Chemistry, 2017, 31, e3750.	1.7	101
71	Synthesis, characterization, DFT calculations and biological studies of Mn(II), Fe(II), Co(II) and Cd(II) complexes based on a tetradentate ONNO donor Schiff base ligand. Journal of Molecular Structure, 2017, 1134, 851-862.	1.8	154
72	Electrical, thermoelectrical and magnetic properties of approximately 20-nm Ni-Co-O nanoparticles and investigation of their conduction phenomena. Materials Chemistry and Physics, 2017, 192, 41-47.	2.0	74

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73	DNA interaction, antimicrobial, anticancer activities and molecular docking study of some new VO(II), Cr(III), Mn(II) and Ni(II) mononuclear chelates encompassing quaridentate imine ligand. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2017, 170, 271-285.	1.7	132
74	$\text{Bi}_2\text{O}_3$ nanorods: synthesis, characterization and UV-photocatalytic activity. <i>Materials Research Express</i> , 2017, 4, 035039.	0.8	106
75	Corrosion inhibition of carbon steel pipelines by some novel Schiff base compounds during acidizing treatment of oil wells studied by electrochemical and quantum chemical methods. <i>Journal of Molecular Structure</i> , 2017, 1130, 522-542.	1.8	92
76	Synthesis, characterization, and biological activity of new mixed ligand transition metal complexes of glutamine, glutaric, and glutamic acid with nitrogen based ligands. <i>Inorganic and Nano-Metal Chemistry</i> , 2017, 47, 467-480.	0.9	48
77	Ni(II) and Cu(II) complexes with ONNO asymmetric tetradentate Schiff base ligand: synthesis, spectroscopic characterization, theoretical calculations, DNA interaction and antimicrobial studies. <i>Applied Organometallic Chemistry</i> , 2017, 31, e3555.	1.7	116
78	Kinetics, reactivity, initial-transition state analysis and thermodynamic parameters of base-catalyzed hydrolysis of coumalic acid in solvents with different polarities. <i>Arabian Journal of Chemistry</i> , 2017, 10, S988-S995.	2.3	14
79	Hydrophobicity, reactivity trends of base catalyzed hydrolysis of some novel high spin Fe(II) Schiff base amino acid chelates in some binary aqueous solvent mixtures: Initial-transition state analysis. <i>Journal of Saudi Chemical Society</i> , 2017, 21, S128-S135.	2.4	3
80	Reactivity trends of hydroxide ion attack on high spin Fe(II) complexes including bromosalicylidene amino acid ligands in some mixed aqueous solvents: Gibbs' Free Energy of Transfer and initial-transition state analysis. <i>Arabian Journal of Chemistry</i> , 2017, 10, S3338-S3346.	2.3	4
81	DNA binding ability mode, spectroscopic studies, hydrophobicity, and in vitro antibacterial evaluation of some new Fe(II) complexes bearing ONO donors amino acid Schiff bases. <i>Arabian Journal of Chemistry</i> , 2017, 10, S1835-S1846.	2.3	51
82	Sonochemical synthesis, DNA binding, antimicrobial evaluation and in vitro anticancer activity of three new nano-sized Cu(II), Co(II) and Ni(II) chelates based on tri-dentate NOO imine ligands as precursors for metal oxides. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2016, 162, 298-308.	1.7	143
83	Some New Nano-sized Mononuclear Cu(II) Schiff Base Complexes: Design, Characterization, Molecular Modeling and Catalytic Potentials in Benzyl Alcohol Oxidation. <i>Catalysis Letters</i> , 2016, 146, 1373-1396.	1.4	140
84	Some new nano-sized Cr(III), Fe(II), Co(II), and Ni(II) complexes incorporating 2-((E)-(pyridine-2-ylimino)methyl)naphthalen-1-ol ligand: Structural characterization, electrochemical, antioxidant, antimicrobial, antiviral assessment and DNA interaction. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2016, 160, 18-31.	1.7	124
85	Magnetic NiFe <sub>2</sub> O <sub>4</sub> nanoparticles: efficient, heterogeneous and reusable catalyst for synthesis of acetylferrocene chalcones and their anti-tumour activity. <i>Applied Organometallic Chemistry</i> , 2016, 30, 917-923.	1.7	87
86	A robust synthesis and characterization of superparamagnetic CoFe <sub>2</sub> O <sub>4</sub> nanoparticles as an efficient and reusable catalyst for green synthesis of some heterocyclic rings. <i>Applied Organometallic Chemistry</i> , 2016, 30, 1022-1029.	1.7	69
87	Some new nano-sized Fe(II), Cd(II) and Zn(II) Schiff base complexes as precursor for metal oxides: Sonochemical synthesis, characterization, DNA interaction, in vitro antimicrobial and anticancer activities. <i>Bioorganic Chemistry</i> , 2016, 69, 140-152.	2.0	206
88	Effect of chromium substitution on the structural and magnetic properties of nanocrystalline zinc ferrite. <i>Materials Chemistry and Physics</i> , 2016, 174, 164-171.	2.0	50
89	Synthesis, structure elucidation, biological screening, molecular modeling and DNA binding of some Cu(II) chelates incorporating imines derived from amino acids. <i>Journal of Molecular Structure</i> , 2016, 1103, 232-244.	1.8	118
90	New Cd(II), Mn(II) and Ag(I) Schiff Base Complexes : Synthesis, Characterization, DNA Binding and Antimicrobial Activity. <i>International Journal of Nanomaterials and Chemistry</i> , 2016, 2, 83-91.	0.9	34

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91	Kinetic Screening for the Acid-Catalyzed Hydrolysis of Some Hydrophobic Fe(II) Schiff Base Amino Acid Chelates and Reactivity Trends in the Presence of Alkali Halide and Surfactant. <i>International Journal of Chemical Kinetics</i> , 2015, 47, 501-508.	1.0	4
92	CuFe <sub>2</sub> O <sub>4</sub> nanoparticles: an efficient heterogeneous magnetically separable catalyst for synthesis of some novel propynyl-1H-imidazoles derivatives. <i>Tetrahedron</i> , 2015, 71, 2579-2584.	1.0	102
93	Electrochemical and theoretical quantum approaches on the inhibition of C1018 carbon steel corrosion in acidic medium containing chloride using some newly synthesized phenolic Schiff bases compounds. <i>Journal of Electroanalytical Chemistry</i> , 2015, 743, 120-133.	1.9	105
94	Kinetic study of the base-catalyzed hydrolysis of novel high-spin hydrophobic Fe(II)-azomethine amino acid chelates: Salt and structure effects on the reactivity. <i>Russian Journal of General Chemistry</i> , 2015, 85, 168-172.	0.3	1
95	Crystal structure of (E)-1-[[3,5-dimethylphenyl]imino]methyl]naphthalen-2-ol. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2015, 71, o496-o497.	0.2	4
96	A review on versatile applications of transition metal complexes incorporating Schiff bases. <i>Beni-Suef University Journal of Basic and Applied Sciences</i> , 2015, 4, 119-133.	0.8	341
97	Investigation of adsorption and inhibition effects of some novel anil compounds towards mild steel in H <sub>2</sub> SO <sub>4</sub> solution: Electrochemical and theoretical quantum studies. <i>Journal of Electroanalytical Chemistry</i> , 2015, 758, 135-147.	1.9	57
98	Tailoring, physicochemical characterization, antibacterial and DNA binding mode studies of Cu(II) Schiff bases amino acid bioactive agents incorporating 5-bromo-2-hydroxybenzaldehyde. <i>Journal of the Iranian Chemical Society</i> , 2015, 12, 943-955.	1.2	114
99	Hydrophobicity and kinetic inspection of hydroxide ion attack on some chromen-2-one laser dyes in binary aqueous-methanol and aqueous-acetone mixtures: Initial state-transition state analysis. <i>Journal of King Saud University - Science</i> , 2015, 27, 54-62.	1.6	5
100	Reactivity Trends and Kinetic Inspection of Hydroxide Ion Attack and DNA Interaction on Some Pharmacologically Active Agents of Fe(II) Amino Acid Schiff Base Complexes at Different Temperatures. <i>International Journal of Chemical Kinetics</i> , 2014, 46, 543-553.	1.0	14
101	Metal based pharmacologically active agents: Synthesis, structural characterization, molecular modeling, CT-DNA binding studies and in vitro antimicrobial screening of iron(II) bromosalicylidene amino acid chelates. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 117, 366-378.	2.0	176
102	Kinetic study of the hydroxide ion attack on and DNA interaction with high spin iron(II) Schiff base amino acid chelates bearing ONO donors. <i>Russian Journal of General Chemistry</i> , 2014, 84, 1830-1836.	0.3	7
103	Kinetic study and reactivity trends of hydroxide ion attack on some chromen-2-one laser dyes in binary water-methanol and water-acetone mixtures. <i>Russian Journal of General Chemistry</i> , 2014, 84, 578-585.	0.3	7
104	Novel sandwich triple-decker dinuclear Nd(III)-(bis-N,N'-p-bromo-salicylideneamine-1,2-diaminobenzene) complex. <i>Polyhedron</i> , 2013, 64, 203-208.	1.0	42
105	Kinetic investigation of hydroxide ion attack at high spin Fe(II) bromosalicylidene chelates with amino acids in binary aqueous solvents: Initial and transition state analysis. <i>Russian Journal of General Chemistry</i> , 2013, 83, 2510-2518.	0.3	5
106	Synthesis, physicochemical studies, embryos toxicity and DNA interaction of some new Iron(II) Schiff base amino acid complexes. <i>Journal of Molecular Structure</i> , 2013, 1040, 9-18.	1.8	109
107	Design, characterization, teratogenicity testing, antibacterial, antifungal and DNA interaction of few high spin Fe(II) Schiff base amino acid complexes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 111, 266-276.	2.0	140
108	Reactivity trends in the base hydrolysis of 6-nitro-2H-chromen-2-one and 6-nitro-2H-chromen-2-one-3-carboxylic acid in binary mixtures of water with methanol and acetone at different temperatures. <i>Kinetics and Catalysis</i> , 2012, 53, 182-187.	0.3	11

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109	Initial State and Transition State Contributions to Reactivity Trends of Base-Catalyzed Hydrolysis of Some Nitro Chromen-2-One Derivatives. Zeitschrift Fur Physikalische Chemie, 2011, 225, 235-248.	1.4	14
110	Kinetics of Base Hydrolysis of Some Chromen-2-one Indicator Dyes in Different Solvents at Different Temperatures. Journal of the Korean Chemical Society, 2011, 55, 346-353.	0.2	14
111	Green Synthesis of Silver Nanoparticles using Delonix regia Extract, Characterization and its Application as Adsorbent for Removal of Cu (II) Ions from Aqueous Solution. Asian Journal of Applied Chemistry Research, 0, , 1-15.	0.0	8
112	Using Safe Calculated Low Power of Electrons to Cut, Analyze and Exterminate the Outer and Inner Biological Elements of SARS-CoV-2, MERS-CoV-2 and Influenza viruses in Vitro. Journal of Scientific Research and Reports, 0, , 1-15.	0.2	2
113	Silver nanoparticles (AgNPs) as a metal nano-therapy: possible mechanisms of antiviral action against COVID-19. Inorganic and Nano-Metal Chemistry, 0, , 1-19.	0.9	18