Ahmed M Abu-Dief

List of Publications by Year
in descending order

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113 papers	6,338 citations	41344 49 h-index	74163 75 g-index
115 all docs	115 docs citations	115 times ranked	3271 citing authors

#	Article	IF	Citations
1	A review on versatile applications of transition metal complexes incorporating Schiff bases. Beni-Suef University Journal of Basic and Applied Sciences, 2015, 4, 119-133.	2.0	341
2	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. Bioorganic Chemistry, 2016, 69, 140-152.	4.1	206
3	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. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 117, 366-378.	3.9	176
4	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.	3.6	154
5	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. Journal of Photochemistry and Photobiology B: Biology, 2016, 162, 298-308.	3.8	143
6	Design, characterization, teratogenicity testing, antibacterial, antifungal and DNA interaction of few high spin Fe(II) Schiff base amino acid complexes. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 111, 266-276.	3.9	140
7	Some New Nano-sized Mononuclear Cu(II) Schiff Base Complexes: Design, Characterization, Molecular Modeling and Catalytic Potentials in Benzyl Alcohol Oxidation. Catalysis Letters, 2016, 146, 1373-1396.	2.6	140
8	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. Journal of Photochemistry and Photobiology B: Biology, 2017, 170, 271-285.	3.8	132
9	Synthesis, theoretical investigations, biocidal screening, DNA binding, in vitro 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.	3.5	132
10	Synthesis, characterization and photocatalysis enhancement of Eu2O3-ZnO mixed oxide nanoparticles. Journal of Physics and Chemistry of Solids, 2018, 116, 375-385.	4.0	128
11	Some new nano-sized Cr(III), Fe(II), Co(II), and Ni(II) complexes incorporating 2-((E)-(pyridine-2-ylimino)methyl)napthalen-1-ol ligand: Structural characterization, electrochemical, antioxidant, antimicrobial, antiviral assessment and DNA interaction. Journal of Photochemistry and Photobiology B: Biology, 2016, 160, 18-31.	3.8	124
12	Synthesis, structure elucidation, biological screening, molecular modeling and DNA binding of some Cu(II) chelates incorporating imines derived from amino acids. Journal of Molecular Structure, 2016, 1103, 232-244.	3.6	118
13	Ni(II) and Cu(II) complexes with ONNO asymmetric tetradentate Schiff base ligand: synthesis, spectroscopic characterization, theoretical calculations, DNA interaction and antimicrobial studies. Applied Organometallic Chemistry, 2017, 31, e3555.	3.5	116
14	A robust in vitro Anticancer, Antioxidant and Antimicrobial Agents Based on New Metalâ€Azomethine Chelates Incorporating Ag(I), Pd (II) and VO (II) Cations: Probing the Aspects of DNA Interaction. Applied Organometallic Chemistry, 2020, 34, e5373.	3.5	116
15	Tailoring, physicochemical characterization, antibacterial and DNA binding mode studies of Cu(II) Schiff bases amino acid bioactive agents incorporating 5-bromo-2-hydroxybenzaldehyde. Journal of the Iranian Chemical Society, 2015, 12, 943-955.	2.2	114
16	Synthesis, physicochemical studies, embryos toxicity and DNA interaction of some new Iron(II) Schiff base amino acid complexes. Journal of Molecular Structure, 2013, 1040, 9-18.	3.6	109
17	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.	3.9	107
18	Î±-Bi₂O₃nanorods: synthesis, characterization and UV-photocatalytic activity. Materials Research Express, 2017, 4, 035039.	1.6	106

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19	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. Journal of Electroanalytical Chemistry, 2015, 743, 120-133.	3.8	105
20	CuFe2O4 nanoparticles: an efficient heterogeneous magnetically separable catalyst for synthesis of some novel propynyl-1H-imidazoles derivatives. Tetrahedron, 2015, 71, 2579-2584.	1.9	102
21	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.	3.5	102
22	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.	3.5	101
23	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.	3.5	97
24	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. Journal of Molecular Structure, 2017, 1130, 522-542.	3.6	92
25	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. Journal of Molecular Structure, 2021, 1242, 130693.	3.6	92
26	Magnetic NiFe₂O₄ nanoparticles: efficient, heterogeneous and reusable catalyst for synthesis of acetylferrocene chalcones and their antiâ€tumour activity. Applied Organometallic Chemistry, 2016, 30, 917-923.	3.5	87
27	Synthesis and characterization of Fe(III), Pd(II) and Cu(II)-thiazole complexes; DFT, pharmacophore modeling, in-vitro assay and DNA binding studies. Journal of Molecular Liquids, 2021, 326, 115277.	4.9	86
28	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.	4.9	82
29	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.	2.0	80
30	Impact of Co2+ Substitution on Microstructure and Magnetic Properties of CoxZn1-xFe2O4 Nanoparticles. Nanomaterials, 2019, 9, 1602.	4.1	78
31	Electric, thermoelectric and magnetic characterization of Î³-Fe2O3 and Co3O4 nanoparticles synthesized by facile thermal decomposition of metal-Schiff base complexes. Materials Research Bulletin, 2018, 99, 103-108.	5.2	75
32	Development and structure elucidation of new VO²⁺, Mn²⁺, Zn²⁺, and Pd²⁺ complexes based on azomethine ferrocenyl ligand: DNA interaction, antimicrobial, antioxidant, anticancer activities, and molecular docking. Applied Organometallic Chemistry, 2021, 35, e6154.	3.5	75
33	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.	4.0	74
34	A robust synthesis and characterization of superparamagnetic CoFe₂O₄ nanoparticles as an efficient and reusable catalyst for green synthesis of some heterocyclic rings. Applied Organometallic Chemistry, 2016, 30, 1022-1029.	3.5	69
35	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.	5.2	67
36	Tailoring of Novel Azithromycin-Loaded Zinc Oxide Nanoparticles for Wound Healing. Pharmaceutics, 2022, 14, 111.	4.5	67

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37	Development, structural investigation, DNA binding, antimicrobial screening and anticancer activities of two novel quari-dentate VO(II) and Mn (II) mononuclear complexes. Journal of King Saud University - Science, 2019, 31, 52-60.	3.5	66
38	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.	3.6	66
39	Facile synthesis and characterization of novel Gd2O3â€“CdO binary mixed oxide nanocomposites of highly photocatalytic activity for wastewater remediation under solar illumination. Journal of Physics and Chemistry of Solids, 2021, 148, 109666.	4.0	66
40	Tailoring, structural elucidation, DFT calculation, DNA interaction and pharmaceutical applications of some aryl hydrazone Mn(II), Cu(II) and Fe(III) complexes. Journal of Molecular Structure, 2021, 1244, 131017.	3.6	66
41	Synthesis, structural elucidation, DFT calculation, biological studies and DNA interaction of some aryl hydrazone Cr3+, Fe3+, and Cu2+ chelates. Computational Biology and Chemistry, 2022, 97, 107643.	2.3	66
42	Hydrothermal preparation and characterization of ZnFe₂O₄ magnetic nanoparticles as an efficient heterogeneous catalyst for the synthesis of multiâ€substituted imidazoles and study of their antiâ€inflammatory activity. Applied Organometallic Chemistry, 2018, 32, e3794.	3.5	65
43	Design, synthesis, structural inspection of Pd²⁺, VO²⁺, Mn²⁺, and Zn²⁺chelates incorporating ferrocenyl thiophenol ligand: DNA interaction and pharmaceutical studies. Applied Organometallic Chemistry, 2021, 35, e6169.	3.5	62
44	Novel azomethine Pd (II)â€•and VO (II)â€based metalloâ€pharmaceuticals as anticancer, antimicrobial, and antioxidant agents: Design, structural inspection, DFT investigation, and DNA interaction. Journal of Physical Organic Chemistry, 2019, 32, e4009.	1.9	59
45	Chemical, physical, and biological properties of Pd(II), V(IV)O, and Ag(I) complexes of N₃ tridentate pyridine-based Schiff base ligand. Journal of Coordination Chemistry, 2020, 73, 3150-3173.	2.2	59
46	Investigation of adsorption and inhibition effects of some novel anil compounds towards mild steel in H2SO4 solution: Electrochemical and theoretical quantum studies. Journal of Electroanalytical Chemistry, 2015, 758, 135-147.	3.8	57
47	Catalytic Oxidation of Benzyl Alcohol Using Nanosized Cu/Ni Schiff-Base Complexes and Their Metal Oxide Nanoparticles. Catalysts, 2018, 8, 452.	3.5	56
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.	4.9	56
49	Impact of rare earth europium (RE-Eu3+) ions substitution on microstructural, optical and magnetic properties of CoFe2â^'xEuxO4 nanosystems. Ceramics International, 2020, 46, 16196-16209.	4.8	55
50	Sonochemical synthesis, structural inspection and semiconductor behavior of three new nano sized Cu(II), Co(II) and Ni(II) chelates based on triâ€dentate NOO imine ligand as precursors for metal oxides. Applied Organometallic Chemistry, 2018, 32, e4174.	3.5	53
51	Structural inspection for novel Pd(II), VO(II), Zn(II) and Cr(III)- azomethine metal chelates: DNA interaction, biological screening and theoretical treatments. Journal of Molecular Structure, 2021, 1246, 131139.	3.6	52
52	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. Arabian Journal of Chemistry, 2017, 10, S1835-S1846.	4.9	51
53	Effect of chromium substitution on the structural and magnetic properties of nanocrystalline zinc ferrite. Materials Chemistry and Physics, 2016, 174, 164-171.	4.0	50
54	Synthesis, characterization, and biological activity of new mixed ligand transition metal complexes of glutamine, glutaric, and glutamic acid with nitrogen based ligands. Inorganic and Nano-Metal Chemistry, 2017, 47, 467-480.	1.6	48

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55	Structural, conformational and therapeutic studies on new thiazole complexes: drug-likeness and MOE-simulation assessments. Research on Chemical Intermediates, 2021, 47, 1979-2002.	2.7	47
56	Targeting ctDNA binding and elaborated in-vitro assessments concerning novel Schiff base complexes: Synthesis, characterization, DFT and detailed in-silico confirmation. Journal of Molecular Liquids, 2021, 322, 114977.	4.9	46
57	Novel Green Biosynthesis of 5-Fluorouracil Chromium Nanoparticles Using Harpullia pendula Extract for Treatment of Colorectal Cancer. Pharmaceutics, 2021, 13, 226.	4.5	46
58	Optimization for synthesized quinoline-based Cr3+, VO2+, Zn2+ and Pd2+complexes: DNA interaction, biological assay and in-silico treatments for verification. Journal of Molecular Liquids, 2021, 339, 116797.	4.9	44
59	Novel sandwich triple-decker dinuclear NdIII-(bis-N,Nâ€²-p-bromo-salicylideneamine-1,2-diaminobenzene) complex. Polyhedron, 2013, 64, 203-208.	2.2	42
60	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.	3.8	42
61	Development of New Thiazole Complexes as Powerful Catalysts for Synthesis of Pyrazole-4-Carbonitrile Derivatives under Ultrasonic Irradiation Condition Supported by DFT Studies. ACS Omega, 2021, 6, 21071-21086.	3.5	41
62	Impact of Cu2+ cations substitution on structural, morphological, optical and magnetic properties of Co1-xCuxFe2O4 nanoparticles synthesized by a facile hydrothermal approach. Solid State Sciences, 2022, 125, 106841.	3.2	41
63	Green Synthesis of AgNPs⁽⁾ Ultilizing Delonix Regia Extract as Anticancer and Antimicrobial Agents**. ChemistrySelect, 2020, 5, 13263-13268.	1.5	38
64	Tailoring of some novel bis-hydrazone metal chelates, spectral based characterization and DFT calculations for pharmaceutical applications and in-silico treatments for verification. Journal of Molecular Structure, 2022, 1264, 133263.	3.6	36
65	New Cd(II), Mn(II) and Ag(I) Schiff Base Complexes : Synthesis, Characterization, DNA Binding and Antimicrobial Activity. International Journal of Nanomaterials and Chemistry, 2016, 2, 83-91.	0.9	34
66	Fabrication, DFT Calculation, and Molecular Docking of Two Fe(III) Imine Chelates as Anti-COVID-19 and Pharmaceutical Drug Candidate. International Journal of Molecular Sciences, 2022, 23, 3994.	4.1	34
67	Synthesis, catalysis, antimicrobial activity, and DNA interactions of new Cu(II)-Schiff base complexes. Inorganic and Nano-Metal Chemistry, 2020, 50, 136-150.	1.6	31
68	Synthesis and structural elucidation for new pyrano thiazole complexes: Biological screening and effects on DNA through in-vitro and in-silico approaches. Journal of Molecular Liquids, 2021, 332, 115844.	4.9	31
69	Development of some magnetic metalâ€“organic framework nano composites for pharmaceutical applications. Inorganic Chemistry Communication, 2022, 138, 109251.	3.9	31
70	The electric and thermoelectric properties of Cu(II)-Schiff base nano-complexes. Physica Scripta, 2018, 93, 055801.	2.5	30
71	Recent Advances in Mesoporous Silica Nanoparticles for Targeted Drug Delivery Applications. Current Drug Delivery, 2022, 19, 436-450.	1.6	28
72	Green Biogenic Synthesis of Silver Nanoparticles Using Aqueous Extract ofÂMoringa Oleifera: Access to a Powerful Antimicrobial, Anticancer, Pesticidal and Catalytic Agents. Journal of Inorganic and Organometallic Polymers and Materials, 2022, 32, 1422-1435.	3.7	28

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73	A Simple and Reliable Synthesis of Superparamagnetic Magnetite Nanoparticles by Thermal Decomposition of Fe(acac)₃. Journal of Nanomaterials, 2019, 2019, 1-10.	2.7	26
74	Tailoring, structural inspection of novel oxy and non-oxy metal-imine chelates for DNA interaction, pharmaceutical and molecular docking studies. Polyhedron, 2021, 201, 115167.	2.2	26
75	Rapidly, highly yielded and green synthesis of dihydrotetrazolo[1,5â€a]pyrimidine derivatives in aqueous media using recoverable Pd (II) thiazole catalyst accelerated by ultrasonic: Computational studies. Applied Organometallic Chemistry, 2022, 36, e6320.	3.5	25
76	Green synthesis of TiO 2 nanoparticles as an efficient heterogeneous catalyst with high reusability for synthesis of 1,2â€dihydroquinoline derivatives. Applied Organometallic Chemistry, 2019, 33, e5005.	3.5	24
77	Development of Metal Complexes for Treatment of Coronaviruses. International Journal of Molecular Sciences, 2022, 23, 6418.	4.1	22
78	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. Applied Organometallic Chemistry, 2021, 35, e6370.	3.5	21
79	Adsorption of the Heavy Metal Ions onto Bio sorbents: A review. International Journal of Nanomaterials and Chemistry, 2018, 4, 27-39.	0.9	21
80	Silver nanoparticles (AgNPs) as a metal nano-therapy: possible mechanisms of antiviral action against COVID-19. Inorganic and Nano-Metal Chemistry, 0, , 1-19.	1.6	18
81	Electric, Thermoelectric and Magnetic Properties of Nickel(II) Imine Nanocomplexes. Nano, 2018, 13, 1850074.	1.0	17
82	Synthesis, Spectroscopic, Structural and Molecular Docking Studies of Some New Nano-Sized Ferrocene-Based Imine Chelates as Antimicrobial and Anticancer Agents. Materials, 2022, 15, 3678.	2.9	17
83	Dependence of the Magnetization Process on the Thickness of Fe70Pd30 Nanostructured Thin Film. Materials, 2020, 13, 5788.	2.9	16
84	Design, Structural Inspection and Bio-Medicinal Applications of Some Novel Imine Metal Complexes Based on Acetylferrocene. Materials, 2022, 15, 4842.	2.9	16
85	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.	2.8	14
86	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. International Journal of Chemical Kinetics, 2014, 46, 543-553.	1.6	14
87	Kinetics, reactivity, initial-transition state analysis and thermodynamic parameters of base-catalyzed hydrolysis of coumalic acid in solvents with different polarities. Arabian Journal of Chemistry, 2017, 10, S988-S995.	4.9	14
88	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
89	Synthesis and elucidation of binuclear thiazole-based complexes from Co(II) and Cu(II) ions: Conductometry, cytotoxicity and computational implementations for various verifications. Journal of Molecular Liquids, 2022, 349, 118100.	4.9	14
90	Targeted synthesis of two iron(III) tetradentate dibasic chelating Schiff base complexes toward inhibition of acidic induced steel corrosion: Empirical and DFT insights. Applied Organometallic Chemistry, 2022, 36, .	3.5	14

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91	Simulation for the behavior of new Fe(III) and Cr(III)-thiophenyl complexes towards DNA polymerase: synthesis, characterization, eukaryotic DNA and Hartreeâ€“Fock computation. Chemical Papers, 2022, 76, 3919-3935.	2.2	12
92	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. Kinetics and Catalysis, 2012, 53, 182-187.	1.0	11
93	Development of Nanomaterials as Photo Catalysts for Environmental Applications. Current Catalysis, 2021, 9, 128-137.	0.5	11
94	Optimization strategy for green synthesis of silver nanoparticles (AgNPs) as catalyst for the reduction of 2,4-dinitrophenol via supported mechanism. Applied Physics A: Materials Science and Processing, 2022, 128, .	2.3	11
95	Kinetic study of humic acid adsorption onto smectite: The role of individual and blend background electrolyte. AIMS Materials Science, 2019, 6, 1176-1190.	1.4	9
96	Recent Advances in Development of Gold Nanoparticles for Drug Delivery Systems. , 2021, 1, .		9
97	Tuning the luminescence performance of CdO nanoparticles via Tb₂O₃ inclusion. Physica Scripta, 2022, 97, 085811.	2.5	9
98	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
99	A higher dose of PEGylated gold nanoparticles reduces the accelerated blood clearance phenomenon effect and induces spleen B lymphocytes in albino mice. Histochemistry and Cell Biology, 2022, 157, 641-656.	1.7	8
100	Kinetic study of the hydroxide ion attack on and DNA interaction with high spin iron(II) Schiff base amino acid chelates baering ONO donors. Russian Journal of General Chemistry, 2014, 84, 1830-1836.	0.8	7
101	Kinetic study and reactivity trends of hydroxide ion attack on some chromen-2-one laser dyes in binary water-methanol and water-acetone mixtures. Russian Journal of General Chemistry, 2014, 84, 578-585.	0.8	7
102	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. Canadian Journal of Chemistry, 2021, 99, 763-772.	1.1	7
103	Catalytic Potential of Mononuclear Cr(III)-Imine Complexes for Selective Oxidation of Benzyl Alcohol by Aqueous H₂O₂. Journal of Transition Metal Complexes, 2019, 2, 1-14.	0.5	6
104	Kinetic investigation of hydroxide ion attack at high spin Fe(II) bromosalicylidine chelates with amino acids in binary aqueous solvents: Initial and transition state analysis. Russian Journal of General Chemistry, 2013, 83, 2510-2518.	0.8	5
105	Hydrophobicity and kinetic inspection of hydroxide ion attack on some chromen-2-one laser dyes in binary aqueousâ€“methanol and aqueousâ€“acetone mixtures: Initial state-transition state analysis. Journal of King Saud University - Science, 2015, 27, 54-62.	3.5	5
106	Disposal of Heavy Transition Cd2+ Ions from Aqueous Solution Utilizing Nanosized Flamboyant Pod (Delonix regia). Journal of Transition Metal Complexes, 2018, 1, 1-10.	0.5	5
107	Kinetic Screening for the Acidâ€Catalyzed Hydrolysis of Some Hydrophobic Fe(II) Schiff Base Amino Acid Chelates and Reactivity Trends in the Presence of Alkali Halide and Surfactant. International Journal of Chemical Kinetics, 2015, 47, 501-508.	1.6	4
108	Crystal structure of (E)-1-{[(3,5-dimethylphenyl)imino]methyl}naphthalen-2-ol. Acta Crystallographica Section E: Crystallographic Communications, 2015, 71, o496-o497.	0.5	4

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109	Reactivity trends of hydroxide ion attack on high spin Fe(II) complexes including bromosalicylidene amino acid ligands in some mixed aqueous solvents: Gibbâ€™s Free Energy of Transfer and initial-transition state analysis. Arabian Journal of Chemistry, 2017, 10, S3338-S3346.	4.9	4
110	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. Journal of Saudi Chemical Society, 2017, 21, S128-S135.	5.2	3
111	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
112	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. Russian Journal of General Chemistry, 2015, 85, 168-172.	0.8	1
113	Engineered magnetic nanoparticles for environmental remediation. , 2022, , 499-524.		1