

Nashwa M El-Metwally

List of Publications by Year in descending order

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153
papers

3,280
citations

159358

30
h-index

253896

43
g-index

154
all docs

154
docs citations

154
times ranked

1214
citing authors

#	ARTICLE	IF	CITATIONS
1	New Series of Thiazole Derivatives: Synthesis, Structural Elucidation, Antimicrobial Activity, Molecular Modeling and MOE Docking. <i>Molecules</i> , 2019, 24, 1741.	1.7	102
2	Spectral, Magnetic, Electrical and Thermal Studies on Malonyl bis(thiosemicarbazide) Complexes. <i>Transition Metal Chemistry</i> , 2006, 31, 71-78.	0.7	97
3	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
4	Development of Photoluminescent Translucent Wood toward Photochromic Smart Window Applications. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 8340-8350.	1.8	87
5	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
6	Elaborated studies on nano-sized homo-binuclear Mn(II), Fe(III), Co(II), Ni(II), and Cu(II) complexes derived from N2O2 Schiff base, thermal, molecular modeling, drug-likeness, and spectral. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016, 123, 731-743.	2.0	56
7	Synthesis and characterization of new thiazole-based Co(II) and Cu(II) complexes; therapeutic function of thiazole towards COVID-19 in comparing to current antivirals in treatment protocol. <i>Journal of Molecular Structure</i> , 2021, 1244, 130961.	1.8	56
8	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
9	Synthesis and spectroscopic characterization of new mono- and binuclear complexes of some NH(1) thiosemicarbazides. <i>Journal of Coordination Chemistry</i> , 2005, 58, 1145-1159.	0.8	50
10	Spectral and thermal studies for some transition metal complexes of bis(benzylthiocarbohydrazone) focusing on EPR study for Cu(II) and VO ₂ ⁺ . <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2008, 70, 277-283.	2.0	50
11	Synthesis and structural characterization of oxovanadium(IV) complexes of dimedone derivatives. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5672.	1.7	50
12	Plasma treatment toward electrically conductive and superhydrophobic cotton fibers by in situ preparation of polypyrrole and silver nanoparticles. <i>Reactive and Functional Polymers</i> , 2021, 159, 104810.	2.0	49
13	Perchlorate mixed-ligand copper(II) complexes of β^2 -diketone and ethylene diamine derivatives: Thermal, spectroscopic and biochemical studies. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2007, 68, 1278-1286.	2.0	47
14	Green synthesis approach for Fe (III), Cu (II), Zn (II) and Ni (II)-Schiff base complexes, spectral, conformational, MOE-docking and biological studies. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5403.	1.7	47
15	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
16	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
17	Synthesis, characterization, DFT calculation, DNA binding and antimicrobial activities of metal complexes of dimedone arylhydrazone. <i>Journal of Molecular Liquids</i> , 2021, 334, 116498.	2.3	44
18	Optimization for synthesized quinoline-based Cr ³⁺ , VO ₂ ⁺ , Zn ²⁺ and Pd ²⁺ -complexes: DNA interaction, biological assay and in-silico treatments for verification. <i>Journal of Molecular Liquids</i> , 2021, 339, 116797.	2.3	44

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19	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.	1.6	41
20	Elaborated spectral, modeling, QSAR, docking, thermal, antimicrobial and anticancer activity studies for new nanosized metal ion complexes derived from sulfamerazine azodye. Journal of Thermal Analysis and Calorimetry, 2018, 131, 1249-1267.	2.0	39
21	Synthesis of new Cu(II)-benzohydrazide nanometer complexes, spectral, modeling, CT-DNA binding with potential anti-inflammatory and anti-allergic theoretical features. Materials Science and Engineering C, 2019, 96, 740-756.	3.8	39
22	Production of smart nanocomposite for glass coating toward photochromic and long-persistent photoluminescent smart windows. Ceramics International, 2022, 48, 903-912.	2.3	39
23	Development of photoluminescent, superhydrophobic, and electrically conductive cotton fibres. Luminescence, 2021, 36, 964-976.	1.5	38
24	Green synthesis for new Co(II), Ni(II), Cu(II) and Cd(II) hydrazone-based complexes; characterization, biological activity and electrical conductance of nano-sized copper sulphate. Journal of Molecular Structure, 2021, 1244, 131238.	1.8	38
25	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.	1.8	36
26	Deliberate-Characterization for Ni(II)-Schiff Base Complexes: Promising In-Vitro Anticancer Feature that Matched MOE Docking-Approach. Journal of Inorganic and Organometallic Polymers and Materials, 2020, 30, 3277-3293.	1.9	35
27	Natural tannic acid (green tea) mediated synthesis of ethanol sensor based Fe ₃ O ₄ nanoparticles: Investigation of structural, morphological, optical properties and colloidal stability for gas sensor application. Sensors and Actuators B: Chemical, 2022, 352, 131071.	4.0	35
28	Spectroscopic and theoretical studies on Cr (III), Mn (II) and Cu (II) complexes of hydrazone derived from picolinic hydrazide and O-vanillin and evaluation of biological potency. Applied Organometallic Chemistry, 2020, 34, e5408.	1.7	34
29	Density functional theory/B3LYP study of nanometric 4-(2,4-dihydroxy-5-formylphenylazo)-N-(4-methylpyrimidin-2-yl)benzenesulfonamide complexes; Quantitative structure-activity relationship, docking, spectral and biological investigations. Applied Organometallic Chemistry, 2017, 31, e3721.	1.7	33
30	Spectral, thermal and biological studies of Mn(II) and Cu(II) complexes with two thiosemicarbazide derivatives. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 92, 336-346.	2.0	31
31	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.	2.3	31
32	Spectroscopic and fluorescence studies on Mn(II), Co(II), Ni(II) and Cu(II) complexes with NO donor fluorescence dyes. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 81, 215-227.	2.0	30
33	Practical and computational studies on novel Schiff base complexes derived from green synthesis approach: Conductometry as well as in-vitro screening supported by in-silico study. Journal of Molecular Liquids, 2020, 319, 114116.	2.3	30
34	Spectral and biological investigation of 5-hydroxyl-3-oxopyrazoline 1-carbothiohydrazide and its transition metal complexes. Transition Metal Chemistry, 2007, 32, 88-94.	0.7	29
35	Immobilization of anthocyanin-based red-cabbage extract onto cellulose fibers toward environmentally friendly biochromic diagnostic biosensor for recognition of urea. Journal of Environmental Chemical Engineering, 2021, 9, 105493.	3.3	29
36	Development of Mechanically Reliable and Transparent Photochromic Film Using Solution Blowing Spinning Technology for Anti-Counterfeiting Applications. ACS Omega, 2021, 6, 27315-27324.	1.6	29

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37	Development of fluorescent carbon dots ink from rice straw waste toward security authentication. <i>Journal of Molecular Liquids</i> , 2022, 354, 118927.	2.3	29
38	Green Synthesis Strategy for New Schiffâ€Base Complexes: Characterization, Conductometry, In Vitro Assay Confirmed by In Silico Approach. <i>ChemistrySelect</i> , 2020, 5, 10256-10268.	0.7	28
39	Synthesis of Pyrazolone Derivatives and Their Nanometer Ag(I) Complexes and Physicochemical, DNA Binding, Antitumor, and Theoretical Implementations. <i>Bioinorganic Chemistry and Applications</i> , 2018, 2018, 1-15.	1.8	27
40	Synthesis and Elucidation for New Nanosized Cr(III)-Pyrazolin Complexes; Crystal Surface Properties, Antitumor Simulation Studies Beside Practical Apoptotic Path. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020, 30, 4142-4154.	1.9	27
41	Synthesis and Characterization for New Nanometer Cu(II) Complexes, Conformational Study and Molecular Docking Approach Compatible with Promising in Vitro Screening. <i>Arabian Journal for Science and Engineering</i> , 2021, 46, 365-382.	1.7	27
42	Synthesis and characterization for pharmaceutical models from Co(II), Ni(II) and Cu(II)-thiophene complexes; apoptosis, various theoretical studies and pharmacophore modeling. <i>Journal of Molecular Liquids</i> , 2021, 328, 115483.	2.3	27
43	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
44	Development of epoxy/rice straw-based cellulose nanowhiskers composite smart coating immobilized with rare-earth doped aluminate: Photoluminescence and anticorrosion properties for sustainability. <i>Ceramics International</i> , 2022, 48, 4841-4850.	2.3	26
45	Novel isatin-based complexes of Mn(II) and Cu(II) ions: Characterization, homogeneous catalysts for sulfides oxidation, bioactivity screening and theoretical implementations via DFT and pharmacokinetic studies. <i>Journal of Molecular Liquids</i> , 2022, 351, 118620.	2.3	26
46	Synthesis and spectral characterization of some investigated thiocarbohydrazone binuclear complexes with an illustrated EPR study for d1 complexes. <i>Transition Metal Chemistry</i> , 2007, 32, 828-834.	0.7	25
47	Synthesis of novel VO (II)â€thiazole complexes; spectral, conformational characterization, MOEâ€docking and genotoxicity. <i>Applied Organometallic Chemistry</i> , 2019, 33, e5095.	1.7	25
48	Synthesis, Characterization for New Nanometric VO(II)â€Thioacetanilide Complexes by, Spectral, Thermal, Molecular Computations and DNA Interaction Study Beside Promising Antitumor Activity. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2019, 29, 1606-1624.	1.9	25
49	Rapidly, highly yielded and green synthesis of dihydrotetrazolo[1,5â€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
50	Conductometry of nano-sized zinc sulfate; synthesis and characterization of new hydrazone complexes: Conformational and in-vitro assay. <i>Journal of Molecular Liquids</i> , 2021, 340, 117167.	2.3	25
51	Synthesis, characterization and self-assembly of new cholesteryl-substitued sym-tetrazine: Fluorescence, gelation and mesogenic properties. <i>Journal of Molecular Liquids</i> , 2021, 342, 117543.	2.3	25
52	Novel nanocomposite film developed via screen-printing of viologen polymer for anti-counterfeiting applications: Photochromism, thermochromism and vapochromic. <i>Reactive and Functional Polymers</i> , 2022, 172, 105186.	2.0	25
53	Preparation of multifunctional longâ€persistent photoluminescence cellulose fibres. <i>Luminescence</i> , 2021, 36, 1781-1792.	1.5	24
54	Synthesis and characterization for novel Cu(II)-thiazole complexes-dyes and their usage in dyeing cotton to be special bandage for cancerous wounds. <i>Journal of Molecular Structure</i> , 2019, 1194, 86-103.	1.8	23

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55	Ball milling approach to prepare new Cd(II) and Zn(II) complexes; characterization, crystal packing, cyclic voltammetry and MOE-docking agrees with biological assay. <i>Journal of Molecular Structure</i> , 2020, 1218, 128473.	1.8	23
56	Green-synthesis and characterization for new Schiff-base complexes; spectroscopy, conductometry, Hirshfeld properties and biological assay enhanced by in-silico study. <i>Arabian Journal of Chemistry</i> , 2020, 13, 6327-6340.	2.3	23
57	Synthesis and Structural Elucidation for New Schiff Base Complexes; Conductance, Conformational, MOE-Docking and Biological Studies. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020, 30, 3595-3607.	1.9	23
58	Molecular modeling, spectral, and biological studies of 4-formylpyridine-4 N-(2-pyridyl) thiosemicarbazone (HFPTS) and its Mn(II), Fe(III), Co(II), Ni(II), Cu(II), Cd(II), Hg(II), and UO ₂ (II) complexes. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014, 115, 2357-2367.	2.0	22
59	Illustration for series of new metal ion complexes extracted from pyrazolone derivative, spectral, thermal, QSAR, DFT/B3LYP, docking and antitumor investigations. <i>Journal of Molecular Liquids</i> , 2017, 229, 614-627.	2.3	22
60	Simple preparation of long-persistent luminescent paint with superhydrophobic anticorrosion efficiency from cellulose nanocrystals and an acrylic emulsion. <i>Ceramics International</i> , 2022, 48, 6363-6371.	2.3	22
61	Preparation of photoluminescent and photochromic smart glass window using sol-gel technique and lanthanides-activated aluminate phosphor. <i>Ceramics International</i> , 2022, 48, 17489-17498.	2.3	22
62	Green Synthesis for 3-(2-Benzoylhydrazono)-N-(pyridin-2-yl)butanamide Complexes: Spectral, Analytical, Modelling, MOE Docking and Biological Studies. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020, 30, 1519-1536.	1.9	21
63	Facile synthesis and deliberate characterization for new hydrazide complexes; cyclic voltammetry, crystal packing, eukaryotic DNA degradation and in-silico studies. <i>Journal of Molecular Liquids</i> , 2020, 320, 114380.	2.3	21
64	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
65	Ball-milling synthesis technique for Cu(II)-Schiff base complexes with variable anions; characterization, potentiometric study and in-vitro assay confirmed by in-silico method. <i>Inorganic Chemistry Communication</i> , 2021, 127, 108542.	1.8	20
66	Green synthesis approach for new Schiff's-base complexes; theoretical and spectral based characterization with in-vitro and in-silico screening. <i>Journal of Molecular Liquids</i> , 2022, 345, 117803.	2.3	19
67	Effect of oxy-vanadium (IV) and oxy-zirconium (IV) ions in O,N-bidentate arylhydrazono complexes on their catalytic and biological potentials that supported via computerized usages. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2022, 132, 104168.	2.7	19
68	Legitional behavior of 5,5-diethylbarbituric acid sodium salt (HL) towards Mg, Ca, Sr, Ba(II), spectral, thermal and biological studies. <i>Journal of Molecular Structure</i> , 2011, 988, 111-118.	1.8	18
69	Synthesis of Co(II), Cu(II), Hg(II), UO ₂ (II) and Pb(II) binuclear nanometric complexes from multi- π -donor ligand: Spectral, modeling, quantitative structure-activity relationship, docking and antitumor studies. <i>Applied Organometallic Chemistry</i> , 2017, 31, e3787.	1.7	18
70	Synthesis of Novel VO(II)-Perimidine Complexes: Spectral, Computational, and Antitumor Studies. <i>Bioinorganic Chemistry and Applications</i> , 2018, 2018, 1-22.	1.8	18
71	Solution blowing spinning technology and plasma-assisted oxidation-reduction process toward green development of electrically conductive cellulose nanofibers. <i>Environmental Science and Pollution Research</i> , 2021, 28, 56363-56375.	2.7	18
72	Elucidating of new hydrazide-based complexes derived from Pd(II), Cu(II) and Cd(II) ions: studies concerning spectral, DFT, Hirshfeld-crystal, biological screening beside Swiss-ADME verification. <i>Journal of Molecular Structure</i> , 2022, 1259, 132748.	1.8	18

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73	Characterization of new Pt(IV)â€“thiazole complexes: Analytical, spectral, molecular modeling and molecular docking studies and applications in two opposing pathways. <i>Applied Organometallic Chemistry</i> , 2019, 33, e5099.	1.7	17
74	New catalytic approach for nano-sized V(IV), Cr(III), Mn(II) and Fe(III)-thiazole complexes: detailed spectral, electrochemical and analytical studies. <i>Research on Chemical Intermediates</i> , 2019, 45, 1943-1971.	1.3	17
75	Functionalized silica nanotubes with azo-chromophore for enhanced Pd ²⁺ and Co ²⁺ ions monitoring in E-wastes. <i>Journal of Molecular Liquids</i> , 2021, 329, 115585.	2.3	17
76	Enhanced catalytic (ep)oxidation of olefins by VO(II), ZrO(II) and Zn(II)-imine complexes; extensive characterization supported by DFT studies. <i>Journal of Molecular Structure</i> , 2021, 1236, 130295.	1.8	17
77	Synthesis, analytical and spectral characterization for new VO (II)â€“thiazole complexes; conformational study beside MOE docking simulation features. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5505.	1.7	16
78	Synthesis of Coumarinâ€“Analogues: Analytical, Spectral, Conformational, MOEâ€“Docking and Antimicrobial Studies. <i>ChemistrySelect</i> , 2020, 5, 1-1.	0.7	16
79	Preparation of polyvinyl alcohol reinforced with microcrystalline cellulose to function as test strips immobilized with a hydrazone chromophore for colorimetric identification of toxic ammonia. <i>Materials Chemistry and Physics</i> , 2022, 275, 125218.	2.0	16
80	Spectral studies on a series of metal ion complexes derived from pyrimidine nucleus, TEM, biological and β -irradiation effect. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 132, 751-761.	2.0	15
81	Green synthesis approach for novel benzenesulfonamide nanometer complexes with elaborated spectral, theoretical and biological treatments. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4460.	1.7	15
82	Aurintricarboxylic acid and its metal ion complexes in comparative virtual screening versus Lopinavir and Hydroxychloroquine in fighting COVID-19 pandemic: Synthesis and characterization. <i>Inorganic Chemistry Communication</i> , 2021, 126, 108472.	1.8	15
83	New Cu(II) and VO(II)-O,N,O-roylhydrazone complexes: Biological evaluation, catalytic performance, ctDNA interaction, DFT, pharmacophore, and docking simulation. <i>Journal of Molecular Liquids</i> , 2021, 335, 116554.	2.3	15
84	Elucidation for coordination features of hydrazide ligand under influence of variable anions in bivalent transition metal salts; green synthesis, biological activity confirmed by in-silico approaches. <i>Journal of Molecular Structure</i> , 2021, 1238, 130410.	1.8	14
85	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
86	Novel halochromic hydrazonal chromophore immobilized into rice-straw based cellulose aerogel for vapochromic detection of ammonia. <i>Journal of Molecular Liquids</i> , 2022, 350, 118539.	2.3	14
87	Spectroscopic evaluation for VO(II), Ni(II), Pd(II) and Cu(II) complexes derived from thiosemicarbazide: A special emphasis on EPR study and DNA cleavage. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 107, 289-295.	2.0	13
88	A series of nickel(II) complexes derived from hydrazide derivatives, electrochemical, thermal and spectral studies. <i>Arabian Journal of Chemistry</i> , 2017, 10, S1003-S1013.	2.3	13
89	Development of sponge-like cellulose colorimetric swab immobilized with anthocyanin from red-cabbage for sweat monitoring. <i>International Journal of Biological Macromolecules</i> , 2021, 182, 2037-2047.	3.6	13
90	Preparation of fluorescent cotton fibers with antimicrobial activity using lanthanide-doped pigments. <i>Cellulose</i> , 2022, 29, 6393-6404.	2.4	13

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91	Elaborated ¹ H NMR study for the ligitional behavior of two thiosemicarbazide derivatives towards some heavy metals (Sn(II), Sb(III), Pb(II) and Bi(III)), thermal, antibacterial and antifungal studies. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 81, 519-528.	2.0	12
92	Spectral, thermal, kinetic, molecular modeling and eukaryotic DNA degradation studies for a new series of albendazole (HABZ) complexes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 78, 196-204.	2.0	12
93	Designed Anticancer Agent from VO(II) Complexes: Spectroscopic Characterization, Structural Optimization, and In Vitro and In Silico Assays towards Breast Cancer. <i>ChemistrySelect</i> , 2020, 5, 14091-14099.	0.7	12
94	Synthesis and characterization of Cu(II)-pyrazole complexes for possible anticancer agents; conformational studies as well as compatible in-silico and in-vitro assays. <i>Heliyon</i> , 2021, 7, e08485.	1.4	12
95	Preparation of transparent photoluminescence smart window by integration of rare-earth aluminate nanoparticles into recycled polyethylene waste. <i>Luminescence</i> , 2022, 37, 622-632.	1.5	12
96	Development of silica-coated rare-earth doped strontium aluminate toward superhydrophobic, anti-corrosive and long-persistent photoluminescent epoxy coating. <i>Luminescence</i> , 2022, 37, 479-489.	1.5	12
97	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
98	Synthesis and Investigation of Bivalent Thiosemicarbazone Complexes: Conformational Analysis, Methyl Green DNA Binding and In-silico Studies. <i>Arabian Journal for Science and Engineering</i> , 2023, 48, 273-290.	1.7	12
99	Investigation of charge transfer complexes formed between 3,3'-dimethylbenzidine (o-toluidine) donor and DDQ, p-chloranil and TCNQ as π -acceptors. <i>Science Bulletin</i> , 2011, 56, 1993-2000.	1.7	11
100	Hartree-Fock, molecular docking, spectral, kinetic and antitumor considerations for cobalt, nickel, palladium and platinum (II)-bis carbothiohydrazide complexes. <i>Journal of Molecular Liquids</i> , 2016, 220, 265-276.	2.3	11
101	Synthesis for novel VO(II)- triazole complexes; spectral, analytical characterization and catalytic usage for biodiesel synthesis from waste oil. <i>Journal of Molecular Structure</i> , 2019, 1190, 86-101.	1.8	11
102	Novel Synthesized Benzesulfonamide Nanosized Complexes; Spectral Characterization, Molecular Docking, Molecular Modeling and Analytical Application. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2019, 29, 876-892.	1.9	11
103	Docking Approach to Predict Inhibition Activity of New Pt(II) Complexes Against Kinase Protein and Human DNA: Full Characterization, HF-FC Modeling and Genotoxicity. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020, 30, 907-922.	1.9	11
104	Characterization of new Co(II) complexes and photographic monitoring for their toxic impact on breast cancer cells according to simulation study. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5886.	1.7	11
105	Development of green and sustainable smart biochromic and therapeutic bandage using red cabbage (<i>Brassica oleracea</i> L. Var. capitata) extract encapsulated into alginate nanoparticles. <i>International Journal of Biological Macromolecules</i> , 2022, 211, 390-399.	3.6	11
106	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
107	Chelation and Analytical Application of Thiosemicarbazides Toward Platinum(IV) Ions. <i>Transition Metal Chemistry</i> , 2006, 31, 673-680.	0.7	10
108	Synthesis of uranyl(II), vanadyl(II) and zirconyl urate complexes, spectral, thermal and biological studies. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 149, 263-270.	2.0	10

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109	Synthesis, Molecular Docking and Antitumor Activity of New Dithiazoles. Polycyclic Aromatic Compounds, 2021, 41, 1591-1607.	1.4	10
110	Spectral, Molecular Modeling, and Biological Activity Studies on New Schiff's Base of Acenaphthaquinone Transition Metal Complexes. Bioinorganic Chemistry and Applications, 2021, 2021, 1-17.	1.8	10
111	Studies on new Schiff base complexes synthesized from d10 metal ions: Spectral, conductometric measurements, DFT and docking simulation. Journal of Molecular Liquids, 2021, 334, 116148.	2.3	10
112	Synthesis and self-assembly of new fluorescent cholesteryloxy-substituted fluorinated terphenyls with gel formation and mesogenic phases. Journal of Molecular Structure, 2022, 1251, 132006.	1.8	10
113	Preparation of photoluminescent and anticorrosive epoxy paints immobilized with nanoscale graphene from sugarcane bagasse agricultural waste. Environmental Science and Pollution Research, 2022, 29, 60173-60188.	2.7	10
114	Simple Preparation of Multifunctional Luminescent Textile for Smart Packaging. ACS Omega, 2022, 7, 19454-19464.	1.6	10
115	Elaborated spectral analysis and modeling calculations on Co(II), Ni(II), Cu(II), Pd(II), Pt(II), and Pt(IV) nanoparticles complexes with simple thiourea derivative. Journal of Coordination Chemistry, 2015, 68, 993-1009.	0.8	9
116	Iron oxide nanopowder based electrochemical sensor for sensitive voltammetric quantification of midodrine. Arabian Journal of Chemistry, 2021, 14, 103446.	2.3	9
117	In Methanolic Solvent Synthesis of New Mn ^{II} , Co ^{II} , Ni ^{II} and Cu ^{II} Schiff Base of Aromatic α -Amino Acids: Spectroscopic, Thermal, Molecular Docking and Antimicrobial Studies. Science of Advanced Materials, 2020, 12, 1137-1148.	0.1	9
118	Solvent free synthesis, characterization, DFT, cyclic voltammetry and biological assay of Cu(II), Hg(II) and UO ₂ (II) Schiff base complexes. Arabian Journal of Chemistry, 2022, 15, 103586.	2.3	9
119	Cellulose Acetate Cellulose Nanowhisker Nanocomposite Immobilized with a DCDHF-Hydrazone Chromophore toward a Smart Test Strip for Colorimetric Detection of Diethyl Chlorophosphate as a Nerve Agent Mimic. ACS Omega, 2022, 7, 5595-5604.	1.6	9
120	Synthesis and adsorption properties of fibrous-like aerogel from acylhydrazone polyviologen: efficient removal of reactive dyes from wastewater. Journal of Materials Research and Technology, 2022, 18, 1822-1833.	2.6	9
121	Development of a Fluorescent Nanofibrous Template by <i>In Situ</i> S _N Ar Polymerization of Fluorine-Containing Terphenyls with Aliphatic Diols: Self-Assembly and Optical and Liquid Crystal Properties. ACS Omega, 2021, 6, 35030-35038.	1.6	9
122	Simulative aurintricarboxylic acid molecular docking with antitumor activity for its VO(II), Cr(III), Mn(II) and Fe(III) complexes, HF/DFT modeling and elaborated EPR studies. Journal of Thermal Analysis and Calorimetry, 2017, 128, 1565-1578.	2.0	8
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