

Ismail Warad

List of Publications by Year in descending order

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291
papers

5,174
citations

87723

38
h-index

168136

53
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294
all docs

294
docs citations

294
times ranked

2701
citing authors

#	ARTICLE	IF	CITATIONS
1	8-Hydroxyquinoline based chitosan derived carbohydrate polymer as biodegradable and sustainable acid corrosion inhibitor for mild steel: Experimental and computational analyses. <i>International Journal of Biological Macromolecules</i> , 2020, 155, 645-655.	3.6	120
2	New Epoxy sugar based glucose derivatives as eco friendly corrosion inhibitors for the carbon steel in 1.0M HCl: Experimental and theoretical investigations. <i>Journal of Alloys and Compounds</i> , 2020, 833, 154949.	2.8	118
3	Two new 8-hydroxyquinoline derivatives as an efficient corrosion inhibitors for mild steel in hydrochloric acid: Synthesis, electrochemical, surface morphological, UV-visible and theoretical studies. <i>Journal of Molecular Liquids</i> , 2019, 276, 120-133.	2.3	117
4	Computational, MD simulation, SEM/EDX and experimental studies for understanding adsorption of benzimidazole derivatives as corrosion inhibitors in 1.0M HCl solution. <i>Journal of Alloys and Compounds</i> , 2020, 844, 155842.	2.8	114
5	Simple preparation and characterization of novel 8-Hydroxyquinoline derivatives as effective acid corrosion inhibitor for mild steel: Experimental and theoretical studies. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 602, 125094.	2.3	91
6	Corrosion protection of carbon steel by two newly synthesized benzimidazol-2-ones substituted 8-hydroxyquinoline derivatives in 1M HCl: Experimental and theoretical study. <i>Surfaces and Interfaces</i> , 2019, 14, 222-237.	1.5	89
7	Green synthesis of novel carbohydrate polymer chitosan oligosaccharide grafted on d-glucose derivative as bio-based corrosion inhibitor. <i>Journal of Molecular Liquids</i> , 2021, 322, 114549.	2.3	77
8	Performance and computational studies of two soluble pyran derivatives as corrosion inhibitors for mild steel in HCl. <i>Journal of Molecular Structure</i> , 2019, 1196, 231-244.	1.8	76
9	Tetrahydropyrimido-Triazepine derivatives as anti-corrosion additives for acid corrosion: Chemical, electrochemical, surface and theoretical studies. <i>Chemical Physics Letters</i> , 2020, 743, 137181.	1.2	73
10	One Step Synthesis of NiO Nanoparticles via Solid-State Thermal Decomposition at Low-Temperature of Novel Aqua(2,9-dimethyl-1,10-phenanthroline)NiCl ₂ Complex. <i>International Journal of Molecular Sciences</i> , 2013, 14, 23941-23954.	1.8	71
11	Chemical, electrochemical, quantum, and surface analysis evaluation on the inhibition performance of novel imidazo[4,5-b] pyridine derivatives against mild steel corrosion. <i>Corrosion Science</i> , 2021, 189, 109621.	3.0	69
12	Nitro substituent effect on the electronic behavior and inhibitory performance of two quinoxaline derivatives in relation to the corrosion of mild steel in 1M HCl. <i>Journal of Molecular Liquids</i> , 2020, 312, 113367.	2.3	67
13	The inhibitive impact of both kinds of 5-isothiocyanatomethyl-8-hydroxyquinoline derivatives on the corrosion of carbon steel in acidic electrolyte. <i>Journal of Molecular Liquids</i> , 2019, 295, 111629.	2.3	66
14	Structural and physico-chemical evaluation of melatonin and its solution-state excited properties, with emphasis on its binding with novel coronavirus proteins. <i>Journal of Molecular Liquids</i> , 2020, 318, 114082.	2.3	64
15	Preparation and anti-corrosion activity of novel 8-hydroxyquinoline derivative for carbon steel corrosion in HCl molar: Computational and experimental analyses. <i>Journal of Molecular Liquids</i> , 2020, 307, 112923.	2.3	59
16	Sample synthesis, characterization, experimental and theoretical study of the inhibitory power of new 8-hydroxyquinoline derivatives for mild steel in 1.0M HCl. <i>Journal of Molecular Structure</i> , 2020, 1213, 128155.	1.8	58
17	New pyrazole derivatives as effective corrosion inhibitors on steel-electrolyte interface in 1M HCl: Electrochemical, surface morphological (SEM) and computational analysis. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 604, 125325.	2.3	57
18	Coupling of chemical, electrochemical and theoretical approach to study the corrosion inhibition of mild steel by new quinoxaline compounds in 1 M HCl. <i>Heliyon</i> , 2020, 6, e03939.	1.4	57

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19	Experimental and computational investigations on the anti-corrosive and adsorption behavior of 7-N,N-dialkylaminomethyl-8-Hydroxyquinolines on C40E steel surface in acidic medium. <i>Journal of Colloid and Interface Science</i> , 2020, 576, 330-344.	5.0	57
20	Supported organometallic complexes. <i>Journal of Organometallic Chemistry</i> , 2003, 665, 176-185.	0.8	56
21	An experimental-coupled empirical investigation on the corrosion inhibitory action of 7-alkyl-8-Hydroxyquinolines on C35E steel in HCl electrolyte. <i>Journal of Molecular Liquids</i> , 2020, 317, 113973.	2.3	55
22	Adsorption of diclofenac from aqueous solution using <i>Cyclamen persicum</i> tubers based activated carbon (CTAC). <i>Journal of the Association of Arab Universities for Basic and Applied Sciences</i> , 2016, 20, 32-38.	1.0	53
23	Anticancer Activity, Antioxidant Activity, and Phenolic and Flavonoids Content of Wild <i>Tragopogon porrifolius</i> Plant Extracts. <i>Evidence-based Complementary and Alternative Medicine</i> , 2016, 2016, 1-7.	0.5	52
24	UHPLC/MS 2 -based approach for the comprehensive metabolite profiling of bean (<i>Vicia faba</i> L.) by-products: A promising source of bioactive constituents. <i>Food Research International</i> , 2017, 93, 87-96.	2.9	52
25	Performance and computational studies of new soluble triazole as corrosion inhibitor for carbon steel in HCl. <i>Chemical Data Collections</i> , 2019, 22, 100242.	1.1	51
26	Synthesis and characterization of novel Cu (II) and Zn (II) complexes of 5-[(2-Hydroxyethyl) sulfanyl] methyl]-8-hydroxyquinoline as effective acid corrosion inhibitor by experimental and computational testings. <i>Chemical Physics Letters</i> , 2020, 754, 137771.	1.2	50
27	Anticorrosion and adsorption performance of expired antibacterial drugs on Sabic iron corrosion in HCl solution: Chemical, electrochemical and theoretical approach. <i>Journal of Molecular Liquids</i> , 2021, 330, 115702.	2.3	50
28	Novel Cu (II) and Zn (II) complexes of 8-hydroxyquinoline derivatives as effective corrosion inhibitors for mild steel in 1.0 M HCl solution: Computer modeling supported experimental studies. <i>Journal of Molecular Liquids</i> , 2019, 290, 111243.	2.3	49
29	In situ synthesis, electrochemical, surface morphological, UV-visible, DFT and Monte Carlo simulations of novel 5-substituted-8-hydroxyquinoline for corrosion protection of carbon steel in a hydrochloric acid solution. <i>Journal of Molecular Liquids</i> , 2019, 280, 341-359.	2.3	49
30	DFT/electronic scale, MD simulation and evaluation of 6-methyl-2-(p-tolyl)-1,4-dihydroquinoxaline as a potential corrosion inhibition. <i>Journal of Molecular Liquids</i> , 2021, 335, 116539.	2.3	48
31	Novel Pd(ii)-salen complexes showing high in vitro anti-proliferative effects against human hepatoma cancer by modulating specific regulatory genes. <i>Dalton Transactions</i> , 2012, 41, 10854.	1.6	46
32	Supported organometallic complexes Part 34: synthesis and structures of an array of diamine(ether-phosphine)ruthenium(II) complexes and their application in the catalytic hydrogenation of trans-4-phenyl-3-butene-2-one. <i>Inorganica Chimica Acta</i> , 2003, 350, 49-56.	1.2	44
33	A newly synthesized quinoline derivative as corrosion inhibitor for mild steel in molar acid medium: Characterization (SEM/EDS), experimental and theoretical approach. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 610, 125746.	2.3	44
34	Asymmetric hydrogenation of an α,β -unsaturated ketone by diamine(ether-phosphine)ruthenium(II) complexes and lipase-catalyzed kinetic resolution: a consecutive approach. <i>Tetrahedron: Asymmetry</i> , 2003, 14, 1045-1053.	1.8	43
35	Diethylenetriamine/diamines/copper (II) complexes [Cu(dien)(NN)]Br 2 : Synthesis, solvatochromism, thermal, electrochemistry, single crystal, Hirshfeld surface analysis and antibacterial activity. <i>Arabian Journal of Chemistry</i> , 2017, 10, 845-854.	2.3	43
36	Single proton intramigration in novel 4-phenyl-3-((4-phenyl-1H-1,2,3-triazol-1-yl)methyl)-1H-1,2,4-triazole-5(4H)-thione: XRD-crystal interactions, physicochemical, thermal, Hirshfeld surface, DFT realization of thiol/thione tautomerism. <i>Journal of Molecular Liquids</i> , 2018, 264, 621-630.	2.3	43

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37	Combined electronic/atomic level computational, surface (SEM/EDS), chemical and electrochemical studies of the mild steel surface by quinoxalines derivatives anti-corrosion properties in 1 M HCl solution. Chinese Journal of Chemical Engineering, 2020, 28, 1436-1458.	1.7	43
38	Insight into the corrosion inhibition of new bis-quinolin-8-ols derivatives as highly efficient inhibitors for C35E steel in 0.5 M H ₂ SO ₄ . Journal of Molecular Liquids, 2021, 342, 117333.	2.3	42
39	Corrosion inhibition performance of 4-(prop-2-ynyl)-[1,4]-benzothiazin-3-one against mild steel in 1 M HCl solution: Experimental and theoretical studies. International Journal of Hydrogen Energy, 2021, 46, 25800-25818.	3.8	41
40	Untargeted metabolite profiling and phytochemical analysis of <i>Micromeria fruticosa</i> L. (Lamiaceae) leaves. Food Chemistry, 2019, 279, 128-143.	4.2	40
41	Synthetic, spectroscopic characterization, empirical and theoretical investigations on the corrosion inhibition characteristics of mild steel in molar hydrochloric acid by three novel 8-hydroxyquinoline derivatives. Ionics, 2020, 26, 503-522.	1.2	39
42	Theoretical approach to the corrosion inhibition efficiency of some quinoxaline derivatives of steel in acid media using the DFT method. Research on Chemical Intermediates, 2013, 39, 1125-1133.	1.3	38
43	Structure, conformational dynamics, quantum mechanical studies and potential biological activity analysis of multiple sclerosis medicine ozanimod. Journal of Molecular Structure, 2021, 1227, 129685.	1.8	37
44	Moroccan, Mauritania, and senegalese gum Arabic variants as green corrosion inhibitors for mild steel in HCl: Weight loss, electrochemical, AFM and XPS studies. Journal of Molecular Liquids, 2022, 347, 118354.	2.3	37
45	Design and structural studies of diimine/CdX ₂ (X=Cl, I) complexes based on 2,2-dimethyl-1,3-diaminopropane ligand. Journal of Molecular Structure, 2014, 1062, 167-173.	1.8	35
46	Title is missing!. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2003, 629, 1308-1315.	0.6	34
47	Tautomeric origin of dual effects of N1-nicotinoyl-3-(4-hydroxy-3-methyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 352 To bioinformatics™ platform to predict and optimize bioactivity of drugs. Medicinal Chemistry Research, 2013, 22, 1438-1449.	1.1	34
48	Synthesis, antibacterial study and corrosion inhibition potential of newly synthesis oxathiolan and triazole derivatives of 8-hydroxyquinoline: Experimental and theoretical approach. Surfaces and Interfaces, 2020, 19, 100468.	1.5	33
49	Magnetic recyclable Fe ₂ O ₃ /Fe ₃ O ₄ /Co ₃ O ₄ /CoO nanocomposite with a dual Z-scheme charge transfer pathway for quick photo-Fenton degradation of organic pollutants. Catalysis Science and Technology, 2021, 11, 3084-3097.	2.1	32
50	Adsorption of a cationic dye (Safranin) by artificial cationic resins Amberlite®IRC-50: Equilibrium, kinetic and thermodynamic study. Chemical Data Collections, 2021, 35, 100756.	1.1	32
51	Synthesis, structural exploration, spectral and combinatorial analysis of racemic-3-isobutyl-5-phenyl-5-(pyridin-4-yl)imida-zolidine-2,4-dione: Comparison between experimental and DFT calculations. Journal of Molecular Structure, 2018, 1167, 215-226.	1.8	31
52	Supported organometallic complexes part 39: cationic diamine(ether-phosphine)ruthenium(II) complexes as precursors for the hydrogenation of trans-4-phenyl-3-butene-2-one. Inorganica Chimica Acta, 2004, 357, 1847-1853.	1.2	30
53	New Cu (II), Co(II) and Ni(II) complexes of chalcone derivatives: Synthesis, X-ray crystal structure, electrochemical properties and DFT computational studies. Journal of Molecular Structure, 2018, 1155, 11-20.	1.8	30
54	Hydrophobic pocket docking, double-proton prototropic tautomerism in contradiction to single-proton transfer in thione ↔ thiol Schiff base with triazole-thione moiety: Green synthesis, XRD and DFT-analysis. Journal of Molecular Structure, 2019, 1180, 455-461.	1.8	30

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55	Synthesis of novel Cl ₂ Co ₄ L ₆ cluster using 1-hydroxymethyl-3,5-dimethylpyrazole (LH) ligand: Crystal structure, spectral, thermal, Hirshfeld surface analysis and catalytic oxidation evaluation. Journal of Molecular Structure, 2020, 1199, 126995.	1.8	30
56	Removal efficiency of Pb(II), Zn(II), Cd(II) and Cu(II) from aqueous solution and natural water by ketoenolâ€pyrazole receptor functionalized silica hybrid adsorbent. Separation Science and Technology, 2017, 52, 608-621.	1.3	29
57	Ultrasound-assisted synthesis of two novel [CuBr(diamine) ₂ ·H ₂ O]Br complexes: Solvatochromism, crystal structure, physicochemical, Hirshfeld surface thermal, DNA/binding, antitumor and antibacterial activities. Ultrasonics Sonochemistry, 2018, 48, 1-10.	3.8	29
58	Synthesis, characterization and corrosion inhibition potential of newly benzimidazole derivatives: Combining theoretical and experimental study. Surfaces and Interfaces, 2020, 18, 100442.	1.5	29
59	Chalcone oxime derivatives as new inhibitors corrosion of carbon steel in 1â€M HCl solution. Journal of Molecular Liquids, 2021, 337, 116398.	2.3	29
60	Sofosbuvir adsorption onto activated carbon derived from argan shell residue: Optimization, kinetic, thermodynamic and theoretical approaches. Journal of Molecular Liquids, 2022, 356, 119019.	2.3	28
61	Construction of Bi ₂ S ₃ /TiO ₂ /MoS ₂ Sâ€Scheme Heterostructure with a Switchable Charge Migration Pathway for Selective CO ₂ Reduction. Solar Rrl, 2021, 5, 2100501.	3.1	27
62	Insight into the corrosion inhibition of new benzodiazepine derivatives as highly efficient inhibitors for mild steel in 1â€M HCl: Experimental and theoretical study. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 629, 127428.	2.3	26
63	Combinatorial micro electrochemistry. Part 4: Cyclic voltammetric redox screening of homogeneous ruthenium(II) hydrogenation catalysts. Electrochemistry Communications, 2005, 7, 1013-1020.	2.3	25
64	Synthesis and structural characterization of Pd(II) complexes derived from perimidine ligand and their in vitro antimicrobial studies. Journal of Molecular Structure, 2013, 1047, 48-54.	1.8	25
65	Evaluation of Pelargonium extract and oil as eco-friendly corrosion inhibitor for steel in acidic chloride solutions and pharmacological properties. Research on Chemical Intermediates, 2015, 41, 7125-7149.	1.3	25
66	New isomeric Cu(NO ₂ -phen) ₂ Br]Br complexes: Crystal structure, Hirshfeld surface, physicochemical, solvatochromism, thermal, computational and DNA-binding analysis. Journal of Photochemistry and Photobiology B: Biology, 2017, 171, 9-19.	1.7	25
67	Benzodiazepine Derivatives as Corrosion Inhibitors of Carbon Steel in HCl Media: Electrochemical and Theoretical Studies. Protection of Metals and Physical Chemistry of Surfaces, 2019, 55, 986-1000.	0.3	25
68	Aqueous extracts of olive roots, stems, and leaves as eco-friendly corrosion inhibitor for steel in 1â€MHCl medium. International Journal of Industrial Chemistry, 2015, 6, 233-245.	3.1	24
69	Regular square planer bis-(4,4,4-trifluoro-1-(thiophen-2-yl)butane-1,3-dione)/copper(II) complex: Trans/cis-DFT isomerization, crystal structure, thermal, solvatochromism, hirshfeld surface and DNA-binding analysis. Journal of Molecular Structure, 2018, 1157, 69-77.	1.8	23
70	Synthesis, crystal structure, spectroscopic and hirshfeld surface analysis, NCI-RDG, DFT computations and antibacterial activity of new asymmetrical azines. Journal of Molecular Structure, 2020, 1217, 128376.	1.8	23
71	Synthesis, solvatochromism and crystal structure of trans -[Cu(Et ₂ NCH ₂ CH ₂ NH ₂) ₂ ·H ₂ O](NO ₃) ₂ complex: Experimental withâ€DFTâ€combination. Journal of Molecular Structure, 2017, 1148, 328-338.	1.8	22
72	Synthesis and Spectral Identification of Three Schiff Bases with a 2-(Piperazin-1-yl)-N-(thiophen-2-yl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Antibacterial, and Molecular Docking Investigations. Molecules, 2020, 25, 2253.	1.7	22

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73	Experimental and empirical assessment of two new 8-hydroxyquinoline analogs as effective corrosion inhibitor for C22E steel in 1M HCl. <i>Journal of Molecular Liquids</i> , 2021, 325, 114644.	2.3	22
74	Appraisal of corrosion inhibiting ability of new 5-N-((alkylamino)methyl)quinolin-8-ol analogs for C40E steel in sulfuric acid. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 30246-30266.	3.8	22
75	A novel Ru(II) complex derived from hydroxydiamine as a potential antitumor agent: Synthesis and Structural Characterization. <i>Inorganic Chemistry Communication</i> , 2012, 20, 252-258.	1.8	21
76	Structural studies on Cd(II) complexes incorporating di-2-pyridyl ligand and the X-ray crystal structure of the chloroform solvated DPMNPH/CdI ₂ complex. <i>Inorganic Chemistry Communication</i> , 2014, 43, 155-161.	1.8	21
77	4-(2-(2-(2-(Pyridine-4-yl)ethylthio)ethoxy)ethylthio)ethylpyridine as New Corrosion Inhibitor for Mild Steel in 1.0M HCl Solution: Experimental and Theoretical Studies. <i>Journal of Bio- and Tribo-Corrosion</i> , 2018, 4, 1.	1.2	21
78	XRD/DFT/HSA-interactions in Cu(II)Cl/phen/Ä-diketonato complex: Physicochemical, solvatochromism, thermal and DNA-binding analysis. <i>Journal of Molecular Structure</i> , 2020, 1210, 128000.	1.8	21
79	Rational design of a 2D TiO ₂ MoO ₃ step-scheme heterostructure for boosted photocatalytic overall water splitting. <i>New Journal of Chemistry</i> , 2022, 46, 9629-9640.	1.4	21
80	Experimental and theoretical investigation of corrosion inhibition effect of two 8-hydroxyquinoline carbonitrile derivatives on mild steel in 1M HCl solution. <i>Journal of Physics and Chemistry of Solids</i> , 2022, 169, 110866.	1.9	21
81	Crystal structure, Hirshfeld surface, physicochemical, thermal and DFT studies of (N 1 E, N 2 E)-N 1, N 2 -bis((5-bromothiophen-2-yl)methylene)ethane-1,2-diamine N 2 S 2 ligand and its [CuBr(N 2 S 2)]Br complex. <i>Journal of Molecular Structure</i> , 2017, 1142, 217-225.	1.8	20
82	Ultrasonic synthesis of Oct. trans-Br ₂ Cu(Nä€ˆâˆ©â€N) ₂ Jahn-Teller distortion complex: XRD-properties, solvatochromism, thermal, kinetic and DNA-binding evaluations. <i>Ultrasonics Sonochemistry</i> , 2019, 52, 428-436.	3.8	20
83	In-vitro antibacterial and antifungal properties of the organic solvent extract of <i>Argemone mexicana</i> L.. <i>Journal of King Saud University - Science</i> , 2020, 32, 2053-2058.	1.6	20
84	New N-Heterocyclic Compounds Based on 8-Hydroxyquinoline as Efficient Corrosion Inhibition for Mild Steel in HCl Solution: Experimental and Theoretical Assessments. <i>Arabian Journal for Science and Engineering</i> , 2021, 46, 257-274.	1.7	20
85	Experimental, Density Functional Theory, and Dynamic Molecular Studies of Imidazopyridine Derivatives as Corrosion Inhibitors for Mild Steel in Hydrochloric Acid. <i>Surface Engineering and Applied Electrochemistry</i> , 2021, 57, 233-254.	0.3	20
86	Bisquinoline analogs as corrosion inhibitors for carbon steel in acidic electrolyte: Experimental, DFT, and molecular dynamics simulation approaches. <i>Journal of Molecular Structure</i> , 2022, 1265, 133389.	1.8	20
87	Synthesis, characterization, crystal structure, Hirshfeld surface analysis, antioxidant properties and DFT calculations of a novel pyrazole derivative: Ethyl 1-(2,4-dimethylphenyl)-3-methyl-5-phenyl-1H-pyrazole-4-carboxylate. <i>Journal of Molecular Structure</i> , 2021, 1226, 129350.	1.8	19
88	Insight into the corrosion inhibition property of two new soluble and non-toxic xanthenbenzoate derivatives. <i>Journal of Molecular Liquids</i> , 2021, 338, 116610.	2.3	19
89	Computational POM and DFT Evaluation of Experimental in-vitro Cancer Inhibition of Staurosporine-Ruthenium(II) Complexes: The Power Force of Organometallics in Drug Design. <i>Acta Chimica Slovenica</i> , 2015, 62, 679-688.	0.2	19
90	Synergistic effect of AM-4VP-9 copolymer and iodide ion on corrosion inhibition of mild steel in 1M H ₂ SO ₄ . <i>Research on Chemical Intermediates</i> , 2013, 39, 1753-1770.	1.3	18

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91	C,N-bipyrazole receptor grafted onto a porous silica surface as a novel adsorbent based polymer hybrid. <i>Talanta</i> , 2015, 143, 1-6.	2.9	18
92	Synthesis, physicochemical analysis of two new hemilabile ether-phosphine ligands and their first stable bis-ether-phosphine/cobalt(II) tetrahedral complexes. <i>Journal of Molecular Structure</i> , 2017, 1134, 17-24.	1.8	18
93	Synthesis, Experimental and Theoretical Investigation of Tetrazole Derivative as an Effective Corrosion Inhibitor for Mild Steel in 1M HCl. <i>Journal of Bio- and Tribo-Corrosion</i> , 2019, 5, 1.	1.2	18
94	Chemical, electrochemical and theoretical studies of 3-methyl-5,5-diphenylimidazolidine-2,4-dione as corrosion inhibitor for mild steel in HCl solution. <i>Chemical Data Collections</i> , 2020, 28, 100454.	1.1	18
95	Synthesis, characterization, reaction mechanism prediction and biological study of mono, bis and tetrakis pyrazole derivatives against <i>Fusarium oxysporum</i> f. sp. <i>Albedinis</i> with conceptual DFT and ligand-protein docking studies. <i>Bioorganic Chemistry</i> , 2021, 110, 104696.	2.0	18
96	Supported and Non-Supported Ruthenium(II)/Phosphine/[3-(2-Aminoethyl)aminopropyl]trimethoxysilane Complexes and Their Activities in the Chemoselective Hydrogenation of trans-4-Phenyl-3-butene-2-al. <i>Molecules</i> , 2010, 15, 4652-4669.	1.7	17
97	Heterotrimetallic Ru(II)/Pd(II)/Ru(II) complexes: Synthesis, crystal structure, spectral characterization, DFT calculation and antimicrobial study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 122, 273-282.	2.0	17
98	Characterization and biological activities of two copper(II) complexes with dipropylenetriamine and diamine as ligands. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 127, 225-230.	2.0	17
99	Synthesis of 1-(furan-2-yl) imine Functionalized Silica as a Chelating Sorbent and its Preliminary Use in Metal Ion Adsorption. <i>Separation Science and Technology</i> , 2015, 50, 710-717.	1.3	17
100	Synthesis and physicochemical, DFT, thermal and DNA-binding analysis of a new pentadentate N_3S_2 Schiff base ligand and its $[CuN_3S_2]^{2+}$ complexes. <i>RSC Advances</i> , 2020, 10, 21806-21821.	1.7	17
101	Bio-active corrosion inhibitor based on 8-hydroxyquinoline-grafted-Alginate: Experimental and computational approaches. <i>Journal of Molecular Liquids</i> , 2021, 323, 114615.	2.3	17
102	New tetradentate Schiff base Cu(II) complexes: synthesis, physicochemical, chromatopism, fluorescence, thermal, and selective catalytic oxidation. <i>Emergent Materials</i> , 2021, 4, 423-434.	3.2	17
103	Experimental and first-principles study of a new hydrazine derivative for DSSC applications. <i>Journal of Molecular Structure</i> , 2021, 1229, 129799.	1.8	17
104	Appraisal of synthetic cationic Gemini surfactants as highly efficient inhibitors for carbon steel in the acidization of oil and gas wells: an experimental and computational approach. <i>RSC Advances</i> , 2022, 12, 17050-17064.	1.7	17
105	Synthesis, characterization, crystal structure and chemical behavior of [1,1-bis(diphenylphosphinomethyl)ethene]ruthenium(II) complex toward primary alkylamine addition. <i>Transition Metal Chemistry</i> , 2009, 34, 347-352.	0.7	16
106	Syntheses, Physicochemical Studies and Antioxidant Activities of Transition Metal Complexes with a Perimidine Ligand. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2012, 638, 881-886.	0.6	16
107	structure and DFT calculations and catalytic activity in the hydrogenation of α,β -unsaturated ketones. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 117, 250-258.	2.0	16
108	Crystal structure and spectral of new hydrazine-pyran-dione derivative: DFT enol ⁺ hydrazone tautomerization via zwitterionic intermediate, hirshfeld analysis and optical activity studies. <i>Journal of Molecular Structure</i> , 2020, 1220, 128728.	1.8	16

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109	Corrosion inhibition effect of 5-(4-methylpiperazine)-methylquinoline-8-ol on carbon steel in molar acid medium. <i>Inorganic Chemistry Communication</i> , 2021, 123, 108366.	1.8	16
110	Crystal structure, MEP/DFT/XRD, thione ↔ thiol tautomerization, thermal, docking, and optical/TD-DFT studies of (E)-methyl 2-(1-phenylethylidene)-hydrazinecarbodithioate ligand. <i>Journal of Molecular Structure</i> , 2021, 1238, 130461.	1.8	16
111	Inermolecular interaction in [C ₆ H ₁₀ N ₃] ₂ [CoCl ₄] complex: Synthesis, XRD/HSA relation, spectral and catecholase catalytic analysis. <i>Journal of Molecular Structure</i> , 2020, 1217, 128422.	1.8	16
112	Surface defect-engineered CeO ₂ by ultrasound treatment for superior photocatalytic H ₂ production and water treatment. <i>Catalysis Science and Technology</i> , 2022, 12, 2071-2083.	2.1	16
113	Thermodynamic study of metal corrosion and inhibitor adsorption processes in copper/N-1-naphthylethylenediamine dihydrochloride monomethanolate/nitric acid system: part 2. <i>Research on Chemical Intermediates</i> , 2012, 38, 1655-1668.	1.3	15
114	POM analyses of Raltegravir derivatives: a new reflection enlightening the mechanism of HIV-integrase inhibition. <i>Research on Chemical Intermediates</i> , 2015, 41, 5121-5136.	1.3	15
115	Synthesis, physicochemical, thermal, and XRD/HSA interactions of mixed [Cu(Bipy)(Dipn)](X) ₂ complexes: DNA binding and molecular docking evaluation. <i>Journal of Coordination Chemistry</i> , 2020, 73, 3236-3248.	0.8	15
116	Synthesis of novel Cubane [Ni ₄ (O ⁺)(O ⁻) ₄ (OCH ₃) ₄ (OOH) ₄] cluster: XRD/HSA-interactions, spectral, DNA-binding, docking and subsequent thermolysis to NiO nanocrystals. <i>Journal of Molecular Liquids</i> , 2020, 315, 113756.	2.3	15
117	Equilibrium and kinetic studies for removal of antiviral sofosbuvir from aqueous solution by adsorption on expanded perlite: Experimental, modelling and optimization. <i>Surfaces and Interfaces</i> , 2021, 23, 100962.	1.5	15
118	Novel triphenyl imidazole based on 8-hydroxyquinoline as corrosion inhibitor for mild steel in molar hydrochloric acid: experimental and theoretical investigations. <i>Journal of Applied Electrochemistry</i> , 2022, 52, 413-433.	1.5	15
119	Development of New Pyrimidine Derivative Inhibitor for Mild Steel Corrosion in Acid Medium. <i>Journal of Bio- and Tribo-Corrosion</i> , 2022, 8, 1.	1.2	15
120	Experimental and theoretical examinations of two quinolin-8-ol-piperazine derivatives as organic corrosion inhibitors for C35E steel in hydrochloric acid. <i>Journal of Molecular Liquids</i> , 2022, 354, 118900.	2.3	15
121	Synthesis, structural chemistry and antimicrobial activity of borneol derivative. <i>Open Chemistry</i> , 2010, 8, 1127-1133.	1.0	14
122	Synthesis, spectroscopic characterization and catalytic significance of Palladium(II) complexes derived from 1,1 bis(diphenylphosphinomethyl)ethane. <i>Journal of Molecular Structure</i> , 2011, 1002, 107-112.	1.8	14
123	Inhibitive effect of imidazopyridine derivative towards corrosion of C38 steel in hydrochloric acid solution. <i>Research on Chemical Intermediates</i> , 2013, 39, 2369-2377.	1.3	14
124	Computational POM and 3D-QSAR evaluation of experimental in vitro HIV-1-Integrase inhibition of amide-containing diketoacids. <i>Medicinal Chemistry Research</i> , 2013, 22, 1456-1464.	1.1	14
125	Intermolecular interactions in crystal structure, Hirshfeld surface, characterization, DFT and thermal analysis of 5-((5-bromo-1 H -indol-3-yl)methylene)-1,3-dimethylpyrimidine-2,4,6(1 H ,3 H ,5 H) Tj ETQq1 1 01784314 rgt /Over	1.8	14
126	Synthesis, spectra and X-ray crystallography of dipyridin-2-ylmethanone oxime and its CuX ₂ (oxime) ₂ complexes: Thermal, Hirshfeld surface and DFT analysis. <i>Journal of Molecular Structure</i> , 2018, 1154, 619-625.	1.8	14

#	ARTICLE	IF	CITATIONS
127	Synthesis and anti-corrosion characteristics of new 8-quinolinol analogs with amide-substituted on C35E steel in acidic medium: Experimental and computational ways. <i>Journal of Molecular Liquids</i> , 2021, 325, 115224.	2.3	14
128	Synthesis and Characterization of Novel Inorganic-Organic Hybrid Ru(II) Complexes and Their Application in Selective Hydrogenation. <i>Molecules</i> , 2010, 15, 1028-1040.	1.7	13
129	Synthesis and amide imidic prototropic tautomerization in thiophene-2-carbohydrazide: XRD, DFT/HSA-computation, DNA-docking, TG and isoconversional kinetics via FWO and KAS models. <i>RSC Advances</i> , 2020, 10, 2037-2048.	1.7	13
130	Corrosion inhibition behavior of chalcone oxime derivatives on carbon steel in 0.5 M H ₂ SO ₄ . <i>Journal of Applied Electrochemistry</i> , 2021, 51, 1755-1770.	1.5	13
131	Crystal structure, physicochemical, DFT, optical, keto-enol tautomerization, docking, and anti-diabetic studies of (Z)-pyrazol-2-keto-enol derivative. <i>Journal of Molecular Structure</i> , 2022, 1247, 131308.	1.8	13
132	POM Analysis of Phytotoxic Agents from <i>Pistacia integerrima</i> Stewart. <i>Current Bioactive Compounds</i> , 2015, 11, 231-238.	0.2	13
133	Experimental and theoretical investigations of two quinolin-8-ol derivatives as inhibitors for carbon steel in 1 M HCl solution. <i>Journal of Physics and Chemistry of Solids</i> , 2022, 165, 110699.	1.9	13
134	Synthesis, structural, biocomputational modeling and antifungal activity of novel armed pyrazoles. <i>Journal of Molecular Structure</i> , 2022, 1264, 133156.	1.8	13
135	New Diethyl Ammonium Salt of Thiobarbituric Acid Derivative: Synthesis, Molecular Structure Investigations and Docking Studies. <i>Molecules</i> , 2015, 20, 20642-20658.	1.7	12
136	Quantum chemical insight into the molecular structure of L-chemosensor 1,3-dimethyl-5-(thien-2-ylmethylene)-pyrimidine-2,4,6-(1 <i>H</i> -,3 <i>H</i> -,5 <i>H</i> -)-trione: Naked-eye colorimetric detection of copper(II) anions. <i>Journal of Theoretical and Computational Chemistry</i> , 2018, 17, 1850005.	1.8	12
137	Mono-Alkylated Ligands Based on Pyrazole and Triazole Derivatives Tested Against <i>Fusarium oxysporum</i> f. sp. <i>albidenis</i> : Synthesis, Characterization, DFT, and Phytase Binding Site Identification Using Blind Docking/Virtual Screening for Potent Fophy Inhibitors. <i>Frontiers in Chemistry</i> , 2020, 8, 559262.	1.8	12
138	XRD/HSA, noncovalent interactions and influence of solvent polarity on spectral properties of dithiocarbazate schiff base and its cis-Cu(II) complex: Experimental and theoretical studies. <i>Journal of Molecular Liquids</i> , 2021, 330, 115551.	2.3	12
139	A new mixed pyrazole-diamine/Ni(II) complex, Crystal structure, physicochemical, thermal and antibacterial investigation. <i>Journal of Molecular Structure</i> , 2021, 1236, 130304.	1.8	12
140	Cholinesterase Inhibitory Activity of Some semi-Rigid Spiro Heterocycles: POM Analyses and Crystalline Structure of Pharmacophore Site. <i>Mini-Reviews in Medicinal Chemistry</i> , 2018, 18, 711-716.	1.1	12
141	Electrochemical Evaluation of Linseed Oil as Environment-friendly Inhibitor for Corrosion of Steel in HCl Solution. <i>Portugaliae Electrochimica Acta</i> , 2015, 33, 137-152.	0.4	12
142	Optimization and modeling of the electro-Fenton process for treatment of sertraline hydrochloride: Mineralization efficiency, energy cost and biodegradability enhancement. <i>Chemical Data Collections</i> , 2021, 35, 100764.	1.1	11
143	Diazo-pyrazole analogues as photosensitizers in dye sensitised solar cells: tuning for a better photovoltaic efficiency using a new modelling strategy using experimental and computational data. <i>Zeitschrift Fur Physikalische Chemie</i> , 2021, 235, 1227-1245.	1.4	11
144	Synthesis, spectral, thermal, X-ray single crystal of new RuCl ₂ (dppb)diamine complexes and their application in hydrogenation of Cinnamic aldehyde. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 95, 374-381.	2.0	10

#	ARTICLE	IF	CITATIONS
145	Lead preconcentration as rac-(E,E)-N,N'-bis(2-chlorobenzylidene)cyclohexane-1,2-diamine complexes from water and tobacco samples by dispersive liquid-liquid microextraction. <i>Journal of Analytical Chemistry</i> , 2015, 70, 691-695.	0.4	10
146	Synthesis, spectral, thermal, crystal structure, Hirshfeld analysis of [bis(triamine)cadmium(II)][cadmium(IV)tetra-bromide] complexes and their thermolysis to CdO nanoparticles. <i>Chemistry Central Journal</i> , 2016, 10, 38.	2.6	10
147	The inhibitory effect of two 5-alkylthio-8-hydroxyquinoline salts on steel C22E in a molar electrolyte of hydrochloric acid: Experimental and theoretical studies. <i>Surfaces and Interfaces</i> , 2020, 20, 100575.	1.5	10
148	Mitigation effect of novel bipyrazole ligand and its copper complex on the corrosion behavior of steel in HCl: Combined experimental and computational studies. <i>Chemical Physics Letters</i> , 2022, 795, 139532.	1.2	10
149	¹ H ¹³ C NMR investigation of E/Z-isomerization around CN bond in the trans-alkene-Pt(II)imine complexes of some ketimines and aldimines. <i>Journal of Saudi Chemical Society</i> , 2010, 14, 165-174.	2.4	9
150	Reactions of Some New Thienothiophene Derivatives. <i>Molecules</i> , 2011, 16, 5142-5148.	1.7	9
151	X-ray single-crystal structure of a novel di-μ ₄ -chloro-bis[chloro(2,9-dimethyl-1,10-phenanthroline)nickel(II)] complex: synthesis, and spectral and thermal studies. <i>Research on Chemical Intermediates</i> , 2013, 39, 4011-4020.	1.3	9
152	Novel di-μ ₄ -chloro-bis[chloro(4,7-dimethyl-1,10-phenanthroline)cadmium(II)] dimer complex: synthesis, spectral, thermal, and crystal structure studies. <i>Research on Chemical Intermediates</i> , 2013, 39, 2451-2461.	1.3	9
153	POM as a quick bioinformatic platform to select flavonoids and their metabolites as potential and efficient HIV-1 integrase inhibitors. <i>Research on Chemical Intermediates</i> , 2013, 39, 1227-1244.	1.3	9
154	Synthesis and structural characterization of asymmetric mononuclear ruthenium (II) complexes derived from 2-(1,2,3-thiadiazol-4-yl)pyridine and azoimine ligands. <i>Inorganica Chimica Acta</i> , 2013, 400, 20-25.	1.2	9
155	New catalysts for the chemoselective reduction of α,β-unsaturated ketones: Synthesis, spectral, structural and DFT characterizations of mixed ruthenium(II) complexes containing 2-ethene-1,3-bis(diphenylphosphino)propane and diamine ligands. <i>Polyhedron</i> , 2013, 63, 182-188.	1.0	9
156	Origin and switch of different colors: Thermo-isomerism and crystal structure of (1E,2E)-bis[1-(4-nitrophenyl)ethylidene] hydrazine. <i>Journal of Chemical Sciences</i> , 2015, 127, 2211-2216.	0.7	9
157	Solvent induced 4,4,4-trifluoro-1-(2-naphthyl)-1,3-butanedione Cu(II) complexes: Synthesis, structure, DFT calculation and biocidal activity. <i>Polyhedron</i> , 2019, 168, 127-137.	1.0	9
158	Theoretical investigation using DFT of quinoxaline derivatives for electronic and photovoltaic effects. <i>Heliyon</i> , 2020, 6, e03620.	1.4	9
159	Electrochemical and theoretical considerations for interfacial adsorption of novel long chain acid pyrazole for mild steel conservation in 1 M HCl medium. <i>Chemical Data Collections</i> , 2021, 31, 100638.	1.1	9
160	Synthesis, Identification, Antibacterial Activity, ADME/T and 1BNA-Docking Investigations of 8-Quinololinol Analogs Bearing a Benzimidazole Moiety. <i>Arabian Journal for Science and Engineering</i> , 2022, 47, 497-510.	1.7	9
161	POM theoretical calculations and experimental verification of the antibacterial potential of 5-hydroxy-4-(substituted-amino)-2(5H)-furanones. <i>Research on Chemical Intermediates</i> , 2013, 39, 1963-1971.	1.3	8
162	Ruthenium(II) bipyridine complexes bearing quinoline-azoimine (NNN) tridentate ligands: Synthesis, spectral characterization, electrochemical properties and single-crystal X-ray structure analysis. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 125, 375-383.	2.0	8

#	ARTICLE	IF	CITATIONS
163	Synthesis, spectral, electrochemical, crystal structure studies of two novel di- μ -4-halo-bis[halo(2,9-dimethyl-4,7-diphenyl-1,10-phenanthroline)cadmium(II)] dimer complexes and their thermolysis to nanometal oxides. <i>Journal of Molecular Structure</i> , 2015, 1099, 323-329.	1.8	8
164	In-vitro antimicrobial activities of organic solvent extracts obtained from <i>Dipcadi viride</i> (L.) Moench. <i>Journal of King Saud University - Science</i> , 2020, 32, 1965-1968.	1.6	8
165	Crystal interaction, Hirshfeld surface analysis, and spectral analysis of new Dithiocarbamate Schiff bases derivative (LH) and its neutral cis-Cu(L) ₂ complex. <i>Journal of Molecular Structure</i> , 2021, 1224, 129207.	1.8	8
166	Anti-corrosion performance of pyran-2-one derivatives for mild steel in acidic medium: Electrochemical and theoretical study. <i>Chemical Data Collections</i> , 2021, 32, 100655.	1.1	8
167	Multidimensional analysis for corrosion inhibition by new pyrazoles on mild steel in acidic environment: Experimental and computational approach. <i>Chemical Data Collections</i> , 2022, 40, 100885.	1.1	8
168	New Green Anti-corrosion Inhibitor of Citrus Peels for Mild Steel in 1M HCl: Experimental and Theoretical Approaches. <i>Chemistry Africa</i> , 2022, 5, 969-986.	1.2	8
169	Quantum chemical study of some triazoles as inhibitors of corrosion of copper in acid media. <i>Research on Chemical Intermediates</i> , 2013, 39, 1279-1289.	1.3	7
170	POM analyses of antitrypanosomal activity of 2-iminobenzimidazoles: favorable and unfavorable parameters for drugs optimization. <i>Medicinal Chemistry Research</i> , 2013, 22, 2437-2445.	1.1	7
171	One-Pot Combination of the Wittig Olefination with Bromination and Oxidation Reactions. <i>Synthetic Communications</i> , 2013, 43, 893-898.	1.1	7
172	Synthesis, spectral, X-ray single structure, DFT calculations and antimicrobial activities of [Co(II)X ₂ (dmphe)] (X=Br and SCN ⁻). <i>Journal of Molecular Structure</i> , 2015, 1086, 153-160.	1.8	7
173	Synthesis and XRD of Novel Ni ₄ (μ -3-O) ₄ Twist Cubane Cluster Using Three NNO Mixed Ligands: Hirshfeld, Spectral, Thermal and Oxidation Properties. <i>Journal of Cluster Science</i> , 2021, 32, 227-234.	1.7	7
174	One-Pot Microwave-Assisted Synthesis of Water-Soluble Pyran-2,4,5-triol Glucose Amine Schiff Base Derivative: XRD/HSA Interactions, Crystal Structure, Spectral, Thermal and a DFT/TD-DFT. <i>Crystals</i> , 2021, 11, 117.	1.0	7
175	8-hydroxyquinoline grafted triazole derivatives as corrosion inhibitors for carbon steel in H ₂ SO ₄ solution: Electrochemical and theoretical studies. <i>Ionics</i> , 2021, 27, 2267-2288.	1.2	7
176	N ² -(Di-2-pyridylmethylene)benzohydrazide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009, 65, o1597-o1597.	0.2	7
177	The Inhibition Effect of 1-Pentyl Pyridazinium Bromide towards Copper Corrosion in Phosphoric Acid Containing Chloride. <i>Portugaliae Electrochimica Acta</i> , 2016, 34, 1-21.	0.4	7
178	Model Free Approach for Non-Isothermal Decomposition of Un-Irradiated and γ -Irradiated Silver Acetate: New Route for Synthesis of Ag ₂ O Nanoparticles. <i>International Journal of Molecular Sciences</i> , 2010, 11, 3600-3609.	1.8	6
179	Kinetic analysis for non-isothermal decomposition of unirradiated and γ -irradiated indium acetyl acetonate. <i>Materials Research</i> , 2011, 14, 7-10.	0.6	6
180	Synthesis, characterization, bioactivity, and POM analyses of isothiochromeno[3,4-e][1,2]oxazines. <i>Medicinal Chemistry Research</i> , 2013, 22, 4798-4809.	1.1	6

#	ARTICLE	IF	CITATIONS
181	Synthesis, Physicochemical Properties, and <i>in vitro</i> Antibacterial Screening of Palladium(II) Complexes Derived from Thiosemicarbazone. <i>Chemistry and Biodiversity</i> , 2013, 10, 1109-1119.	1.0	6
182	Molecular structure investigation and biological evaluation of Michael adducts derived from dimedone. <i>Research on Chemical Intermediates</i> , 2016, 42, 4041-4053.	1.3	6
183	One-pot liquid microwave-assisted green synthesis of neutral trans-Cu(NNOH) ₂ : XRD/HSA-interactions, antifungal and antibacterial evaluations. <i>Inorganic Chemistry Communication</i> , 2020, 122, 108292.	1.8	6
184	Thermogravimetric Kinetics Study of Scrap Tires Pyrolysis Using Silica Embedded With NiO and/or MgO Nanocatalysts. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , 2021, 143, .	1.4	6
185	New Heterocyclic Compounds: Synthesis, Antioxidant Activity and Computational Insights of Nano-Antioxidant as Ascorbate Peroxidase Inhibitor by Various Cyclodextrins as Drug Delivery Systems. <i>Current Drug Delivery</i> , 2021, 18, 334-349.	0.8	6
186	Aminothiazolyl coumarin derivatives as effectual inhibitors to alleviate corrosion on mild steel in 0.5M H ₂ SO ₄ . <i>Journal of Applied Electrochemistry</i> , 2021, 51, 1323-1344.	1.5	6
187	Antibacterial and Antioxidant Screening of Semi-Synthetic Naringin Based Hydrazone and Oxime Derivatives. <i>Jundishapur Journal of Microbiology</i> , 2018, 11, .	0.2	6
188	Investigation of the corrosion of stainless steel, copper and aluminium in sunflower biodiesel solution: Experimental and theoretical approaches. <i>Chemical Data Collections</i> , 2022, 40, 100870.	1.1	6
189	Kinetic Studies of Isothermal Decomposition of Unirradiated and ⁶⁰ Co-Irradiated Gallium Acetylacetonate: New Route for Synthesis of Gallium Oxide Nanoparticles. <i>Progress in Reaction Kinetics and Mechanism</i> , 2012, 37, 249-262.	1.1	5
190	Synthesis, structure, spectroscopic properties, electrochemistry, and DFT correlative studies of trans-[Ru(P-P)2Cl ₂] complexes. <i>Polyhedron</i> , 2013, 62, 110-119.	1.0	5
191	Synthesis, spectral, thermal, and a crystalline structure of complexes containing [MeC(CH ₂ PPH ₂) ₃ Cu(I)]. <i>Research on Chemical Intermediates</i> , 2013, 39, 721-732.	1.3	5
192	Computational POM evaluation of experimental <i>in vitro</i> Trypanosoma cruzi and Mycobacterium tuberculosis inhibition of heterocyclic-2-carboxylic acid (3-cyano-1,4-dioxoquinoxalin-2-yl)amide derivatives. <i>Medicinal Chemistry Research</i> , 2014, 23, 1956-1965.	1.1	5
193	POM analyses of anti-kinase activity of thirteen peptide alkaloids extracted from Zizyphus species. <i>Medicinal Chemistry Research</i> , 2015, 24, 267-274.	1.1	5
194	Synthesis of Novel Tetra(μ ₃ -Methoxo) Bridged with [Cu(II)-O-Cd(II)] Double-Open-Cubane Cluster: XRD/HSA-Interactions, Spectral and Oxidizing Properties. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8787.	1.8	5
195	Cu(II) coordination polymer bearing diazenyl-benzoic ligand: Synthesis, physico-chemical and XRD/HSA-interactions. <i>Journal of Molecular Structure</i> , 2021, 1229, 129604.	1.8	5
196	One-pot ultrasonic synthesis of [Cl(Na ⁺)(Na ⁺)Cu(μ ₄ -Cl) ₂ Cu(Na ⁺)(Na ⁺)Cl] dimer, DFT, XRD/HSA-interactions, spectral, Solvatochromism and TG/DTG/DSC analysis. <i>Journal of Molecular Structure</i> , 2021, 1236, 130371.	1.8	5
197	One minute microwave synthesis of [O ₂ N-Ph-CH ₂ -Py-AN(Me) ₂]+[Cl] ⁻ ionic liquid: XRD/HSA-interactions, physicochemical, optical, thermal and A DFT/TD-DFT analysis. <i>Journal of Molecular Liquids</i> , 2021, 339, 116737.	2.3	5
198	Experimental and theoretical studies of 5-((4-phenyl-4,5-dihydro-1H-tetrazol-1-yl)methyl)-quinolin-8-ol quinoline derivative as effective corrosion inhibitor for mild steel 1.0 HCl. <i>Journal of Materials and Environmental Science</i> , 2018, 9, 345-357.	0.5	5

#	ARTICLE	IF	CITATIONS
199	Synthesis and Spectroscopic Identification of Hybrid 3-(Triethoxysilyl)propylamine Phosphine Ruthenium(II) Complexes. <i>Molecules</i> , 2010, 15, 3618-3633.	1.7	4
200	(2,9-Dimethyl-1,10-phenanthroline- λ^2 -N,N ϵ^2)diiodidocadmium. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011, 67, m1650-m1650.	0.2	4
201	5,5-Dimethyl-2,2-bis(pyridin-2-yl)-1,3-diazinane. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012, 68, o1786-o1786.	0.2	4
202	Trans/cis isomerization of [RuCl ₂ (diphosphine)(diamine)] complexes: Synthesis, X-ray structure and catalytic activity in hydrogenation. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 105, 466-473.	2.0	4
203	Crystal structure of (1E,1 λ^2 E)-N,N ϵ^2 -(ethane-1,2-diyl)bis[(pyridin-2-yl)methanimine]. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2015, 71, o431-o431.	0.2	4
204	Crystal structure of 3-(thiophen-2-yl)-5-p-tolyl-4,5-dihydro-1H-pyrazole-1-carbothioamide. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2015, 71, 763-765.	0.2	4
205	Crystal structure of 3-(thiophen-2-yl)-5-(p-tolyl)-4,5-dihydro-1H-pyrazole-1-carboxamide. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 2016, 231, 267-269.	0.1	4
206	The crystal structure of zwitterionic 2-[[[(4-iminiumyl-3-methyl-1,4-dihydropyridin-1-yl)methyl]carbamoyl]benzoate hemihydrate. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2017, 73, 927-931.	0.2	4
207	Crystal structures of 2-aminopyridine citric acid salts: C ₅ H ₇ N ₂ O ₇ and 3C ₅ H ₇ N ₂ O ₇ . <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2018, 74, 1111-1116.	0.2	4
208	Crystal structure and Hirshfeld surface analysis of (<i>E</i>)-3-(2-chloro-4-fluorophenyl)-1-(2,5-dichlorothiophen-3-yl)prop-2-en-1-one. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2018, 74, 1134-1137.	0.2	4
209	An Efficient Method for Water Treatment of Artificial Ponds in Jordan Valley Based on Photovoltaic Pumping System. <i>Agriculture (Switzerland)</i> , 2019, 9, 151.	1.4	4
210	Design, structural, C ϵ -H ϵ ...H ϵ -C supramolecular interactions and computational investigations of Cd(N ϵ^3)X ₂ complexes based on an asymmetrical 1,2-diamine ligand: physicochemical and thermal analysis. <i>Journal of Coordination Chemistry</i> , 2019, 72, 3285-3297.	0.8	4
211	Exo \rightarrow Endo Isomerism, MEP/DFT, XRD/HSA-Interactions of 2,5-Dimethoxybenzaldehyde: Thermal, 1BNA-Docking, Optical, and TD-DFT Studies. <i>Molecules</i> , 2020, 25, 5970.	1.7	4
212	Design, XRD/HSA-interactions, spectral, thermal, Solvatochromism and DNA-binding of two [Cu(phen)(triene)]Br ₂ complexes: Experimental and DFT/TD-DFT investigations. <i>Journal of Molecular Structure</i> , 2021, 1231, 129983.	1.8	4
213	Synthesis of Novel Aqua λ^4 -NNNO/Cu(II) Complexes as Rapid and Selective Oxidative Catalysts for O-Catechol: Fluorescence, Spectral, Chromotropism and Thermal Analyses. <i>Crystals</i> , 2021, 11, 1072.	1.0	4
214	Experimental, Quantum Chemical and Monte Carlo Simulation Studies on the Corrosion Inhibition of Mild Steel by Three New Schiff Base Derivatives. <i>Portugaliae Electrochimica Acta</i> , 2021, 39, 293-321.	0.4	4
215	HCl. <i>Journal of Bio- and Tribo-Corrosion</i> , 2022, 8, 1.	1.2	4
216	Synthesis and Characterization of Hybrid Materials Consisting of n-octadecyltriethoxysilane by Using n-Hexadecylamine as Surfactant and QO and TO Cross-Linkers. <i>International Journal of Molecular Sciences</i> , 2012, 13, 6279-6291.	1.8	3

#	ARTICLE	IF	CITATIONS
217	X-ray single crystal, spectral, thermal analysis and $^{31}\text{P}\{^1\text{H}\}$ NMR of ruthenium(II)/ether-phosphine/1,2-diphenyl-1,2-ethanediamine complexes. <i>Research on Chemical Intermediates</i> , 2013, 39, 1481-1490.	1.3	3
218	Dichlorido(2,9-dimethyl-1,10-phenanthroline) $^{\ominus 2}$ mercury(II). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2013, 69, m109-m109.	0.2	3
219	Design, Synthesis, Characterization of Novel Ruthenium(II) Catalysts: Highly Efficient and Selective Hydrogenation of Cinnamaldehyde to (E)-3-Phenylprop-2-en-1-ol. <i>Molecules</i> , 2014, 19, 5965-5980.	1.7	3
220	Cis- & trans-isomerism in $[\text{Cl}_2\text{Ru}(\text{dppb})\text{N}-\text{N}]$ complexes: Synthesis, structural characterization and X-ray crystal structure of dichloromethane solvated cis-diaminebis(diphenylphosphinobutane)ruthenium(II) complex. <i>Journal of Molecular Structure</i> , 2014, 1076, 724-729.	1.8	3
221	Three closely related $(2\text{-E}, 3\text{-E})$ -3,3 $^{\ominus 2}$ -(1,4-phenylene)bis[1-(methoxyphenyl)prop-2-en-1-ones]: supramolecular assemblies in one dimension mediated by hydrogen bonding and $\text{C}\cdots\text{H}\cdots\text{I}$ interactions. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2017, 73, 896-900.	0.2	3
222	Crystal interactions, computational, spectral and thermal analysis of (E)-N 1 -(thiophen-2-ylmethylene)isonicotinohydrazide as O-N-S-tridentate schiff base ligand. <i>Journal of Molecular Structure</i> , 2019, 1185, 290-299.	1.8	3
223	Synthesis and XRD of neutral NiL complex using unsymmetrical ONNO tetradentate schiff base: Hirschfeld, spectral, DFT and thermal analysis. <i>Journal of Coordination Chemistry</i> , 2020, 73, 1280-1291.	0.8	3
224	Hemilabile trans/cis-isomerism in $[(\text{P}^{\ominus}\text{O})_2\text{RuCl}_2(\text{N}^{\ominus}\text{N})]$, XRD/HSA-interactions, $\text{C}\cdots\text{H}\cdots\text{a}\cdots\text{a}\cdots\text{Cl}-\text{Ru}(\text{II})$ supramolecular synthon, solvatochromism, thermal and A DFT/TD-DFT computation. <i>Journal of Molecular Liquids</i> , 2021, 328, 115482.	2.3	3
225	Crystal structure, spectral, thermal and experimental/computational investigation of Anthracen-benzo[d]thiazol-2-amine new Schiff base derivative. <i>Journal of Molecular Structure</i> , 2021, 1229, 129824.	1.8	3
226	Ultrasonic synthesis, XRD/HSA-interactions, DFT, time-dependence spectrophotometric stability and thermal analysis of the water-bridge $\{[\text{Cu}(\text{phen})_2\text{Br}]\text{Br}\cdot\text{H}_2\text{O}\}$ complex. <i>Journal of King Saud University - Science</i> , 2021, 33, 101464.	1.6	3
227	rac-(E,E)-N,N $^{\ominus 2}$ -Bis(2-chlorobenzylidene)cyclohexane-1,2-diamine. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2013, 69, o1075-o1075.	0.2	3
228	Crystal structure and Hirshfeld surface analysis of 2-(4-nitrophenyl)-2-oxoethyl benzoate. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2019, 75, 1719-1723.	0.2	3
229	Crystal structure and Hirshfeld surface analysis of 2-(4-nitrophenyl)-2-oxoethyl picolinate. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2019, 75, 1763-1767.	0.2	3
230	Structural and Theoretical Studies of 2-amino-3-nitropyridine. <i>E-Journal of Chemistry</i> , 2012, 9, 2191-2204.	0.4	2
231	Fluorescence of some tri- and tetra-dentate pyrazol-derived stable ligands. <i>Research on Chemical Intermediates</i> , 2013, 39, 2963-2969.	1.3	2
232	DNA Binding Test, X-Ray Crystal Structure, Spectral Studies, TG-DTA, and Electrochemistry of $[\text{CoX}_2(\text{dmdphphen})]$ (Dmdphphen Is 2,9-Dimethyl-4,7-diphenyl-1,10-phenanthroline, X = Cl, and NCS) Complexes. <i>Bioinorganic Chemistry and Applications</i> , 2014, 2014, 1-7.	1.8	2
233	N-[(1E)-(3-Bromophenyl)methylene]-N-(2-piperidin-1-ylethyl)amine. <i>MolBank</i> , 2016, 2016, M903.	0.2	2
234	1,3-Bis[(E)-(3-bromobenzylidene)amino]propan-2-ol. <i>MolBank</i> , 2017, 2017, M971.	0.2	2

#	ARTICLE	IF	CITATIONS
235	1,3-Bis{[(E)-(9-ethyl-9H-carbazol-3-yl)methylene]amino}propan-2-ol. MolBank, 2018, 2018, M986.	0.2	2
236	Synthesis and DFT calculations of new ruthenium(II) nitrosyl complexes using cis-fac-dichlorotetrakis(dimethylsulfoxide)ruthenium(II) precursor and different oximes as sources of nitrosyl ligand. Journal of Coordination Chemistry, 2019, 72, 2200-2214.	0.8	2
237	5,5-DIPHENYL-2-THIOXOIMIDAZOLIDIN-4-ONE METHODOLOGICAL MECHANISM TO CORROSION INHIBITION FOR MILD STEEL DISSOLUTION IN HCL: DFTS, MOLECULAR DYNAMICS AND EXPERIMENTAL PROCEDURES. Surface Review and Letters, 2020, 27, 2050005.	0.5	2
238	The Effect of the Moroccan Salvadora Persica Extract on the Corrosion Behavior of the Ni-Cr Non-precious Dental Alloy in Artificial Saliva. Journal of Bio- and Tribo-Corrosion, 2021, 7, 1.	1.2	2
239	Extended Boron Dinitride [N ₂ B ₂ F ₂] Complex, Crystal Structure, Liquid NMR, Spectral, XRD/HSA Interactions: A DFT and TD-DFT Study. Crystals, 2021, 11, 606.	1.0	2
240	Toxicological and Pharmacological Studies of a Crystal Structure Derivative of 8-Hydroxyquinoline. Arabian Journal for Science and Engineering, 0, , 1.	1.7	2
241	Spectroscopic Insight into Tetrahedrally Distorted Square Planar Copper(II) Complex: XRD/HSA, Physicochemical, DFT, and Thermal Investigations. Crystals, 2021, 11, 1179.	1.0	2
242	Hemilability in neutral RuCl ₂ (N ₂) ₂ (N ₃) complexes: Physicochemical, trans/cis-isomerization, thermal and A DFT/TD-DFT. Journal of Molecular Liquids, 2021, 341, 117339.	2.3	2
243	N ² -[(E)-2-Chlorobenzylidene]thiophene-2-carbohydrazide. Acta Crystallographica Section E: Structure Reports Online, 2013, 69, o1442-o1442.	0.2	2
244	Vibrational spectral analysis, XRD-structure, computation, exo-endo isomerization and non-linear optical crystal of 5-((5-chloro-1H-indol-2-yl)methylene)-1,3-diethyl-2-thioxodihydro-pyrimidine-4,6 (1H,5H)-dione. BMC Chemistry, 2019, 13, 11.	1.6	2
245	Isoxazoline Derivatives as Inhibitors for Mild Steel Corrosion in 1M H ₂ SO ₄ : Computational and Experimental Investigations. Journal of Materials Engineering and Performance, 2022, 31, 7204-7219.	1.2	2
246	Crystal structure of cis-dichloro-1,2-ethylenediamine-bis(1,4- (diphenylphosphino)butane)-ruthenium(II) dichloromethane disolvate, RuCl ₂ (C ₂ H ₈ N ₂)(C ₂ H ₂₈ P ₂) · 2CH ₂ Cl ₂ . Zeitschrift Fur Kristallographie - New Crystal Structures, 2007, 222, 415-417.	0.1	1
247	Kinetic studies for the non-isothermal decomposition of un-irradiated and ⁶⁰ Co-irradiated ruthenium(III) acetylacetonate. Radiation Effects and Defects in Solids, 2009, 164, 266-275.	0.4	1
248	trans-Dichlorido(2,2-dimethylpropane-1,3-diamine)bis(triphenylphosphane)ruthenium(II). Acta Crystallographica Section E: Structure Reports Online, 2010, 66, m731-m732.	0.2	1
249	(2,9-Dimethyl-1,10-phenanthroline- ²⁺ N,N ²⁺)bis(thiocyanato- ²⁻ S)mercury(II). Acta Crystallographica Section E: Structure Reports Online, 2012, 68, m1259-m1259.	0.2	1
250	2,2-Bis(pyridin-2-yl)-1,3-diazinane. Acta Crystallographica Section E: Structure Reports Online, 2013, 69, o569-o569.	0.2	1
251	Removal of Phenol from Olive Industry Liquid Waste Using Polyitaconic Acid. Asian Journal of Chemistry, 2014, 26, S15-S22.	0.1	1
252	Ruthenium(II) bipyridine complexes bearing new keto-enol azoimine ligands: Synthesis, structure, electrochemistry and DFT calculations. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 135, 828-839.	2.0	1

#	ARTICLE	IF	CITATIONS
253	Crystal structure of diethylammonium 5-((4-fluorophenyl)(6-hydroxy-1,3-dimethyl-2,4-dioxo-1,2,3,4-tetrahydropyrimidin-5-yl)methyl)-1,3-dimethyl-2,6-dioxo-1,2,3,6-tetrahydropyrimidin-5(1H)-one. Zeitschrift Fur Kristallographie - New Crystal Structures, 2016, 231, 507-509.		
254	Crystal structure and Hirshfeld surface analysis of a pyridinium bromide salt: 1-[2-((1,1'-biphenyl)-4-yl)-2-oxoethyl]-3-methyl-1,4-dihydropyridin-4-iminium bromide. Acta Crystallographica Section E: Crystallographic Communications, 2018, 74, 752-756.	0.2	1
255	Crystal structure of (E)-4-((2-fluoro-3-(trifluoromethyl)benzylidene)amino)-3-methyl-1H-1,2,4-triazole-5-thione. Zeitschrift Fur Kristallographie - New Crystal Structures, 2019, 234, 343-344.	0.1	1
256	Chemical, Electrochemical, and Surface Study on Microbial Attack of CoCrMo Dental Alloy by Streptococcus mutans. Journal of Bio- and Tribo-Corrosion, 2021, 7, 1.	1.2	1
257	(E)-2-((2-(Trifluoromethyl)phenyl)maleamic acid: crystal structure and Hirshfeld surface analysis. Acta Crystallographica Section E: Crystallographic Communications, 2019, 75, 766-769.	0.2	1
258	Synthesis, physicochemical, optical, thermal and TD-DFT of (E)-N-((9-ethyl-9H-carbazol-3-yl)-methylene)-4-methyl-benzene-sulfonylhydrazide (ECMMBSH): Naked eye and colorimetric Cu ²⁺ ion chemosensor. Journal of King Saud University - Science, 2021, 33, 101633.	1.6	1
259	Crystal structure of trans-dichloro-1,3-propanediamine-bis[(2-methoxyethyl)diphenylphosphine]ruthenium (II), RuCl ₂ (C ₃ H ₁₀ N ₂)(C ₁₅ H ₁₇ OP) ₂ . Zeitschrift Fur Kristallographie - New Crystal Structures, 2006, 221, 275-277.	0.1	1
260	Crystal structure and Hirshfeld surface analysis of (E)-2-((1,1'-biphenyl)-3,3'-diyl)-1,4-phenylenebis[1-(2,4-difluorophenyl)prop-2-en-1-one]. Acta Crystallographica Section E: Crystallographic Communications, 2017, 73, 1812-1816.	0.2	1
261	GC-MS-Based Metabolites Profiling, In Vitro Antioxidant, Anticancer, and Antimicrobial Properties of Different Solvent Extracts from the Botanical Parts of Micromeria fruticosa (Lamiaceae). Processes, 2022, 10, 1016.	1.3	1
262	Crystal structure of cis-dichloro(1,2-R,R-diaminocyclohexane)-bis[1,3-(diphenylphosphino)propane]ruthenium(II), RuCl ₂ (C ₂₇ H ₂₆ P ₂)(C ₆ H ₁₄ N ₂). Zeitschrift Fur Kristallographie - New Crystal Structures, 2010, 225, 753-755.	0.1	0
263	Kinetics and Mechanism of Oxidation of L-Cysteine by Bis-3-di-2-pyridylketone-2-thiophenylhydrazone-iron(III) Complex in Acidic Medium. E-Journal of Chemistry, 2010, 7, S527-S535.	0.4	0
264	Trans-dichloro-2,3-naphthalenediamine bis[(2-methoxyethyl)(diphenyl)phosphine]ruthenium(II) Complex. MolBank, 2010, 2010, M696.	0.2	0
265	Crystal structure of N-[(methylsulfonyl)oxy]-N-((E)-2-(methylsulfonyl)phenyl)ethan-1-amine. Acta Crystallographica Section E: Crystallographic Communications, 2010, 225, 611-612.	0.1	0
266	Erratum to "Synthesis, structural chemistry and antimicrobial activity of (-) borneol derivative". Open Chemistry, 2011, 9, 367.	1.0	0
267	Dibromido(2,9-dimethyl-1,10-phenanthroline-2,9-diamine)cadmium. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, m1846-m1847.	0.2	0
268	cis-[1,4-Bis(diphenylphosphanyl)butane-2,3-dichlorido(cyclohexane-1,2-diamine)]ruthenium(II) dichloromethane monosolvate. Acta Crystallographica Section E: Structure Reports Online, 2012, 68, m563-m564.	0.2	0
269	[1,2-Bis(diphenylphosphanyl)ethane-2,3-dichloridopalladium(II) dimethyl sulfoxide monosolvate. Acta Crystallographica Section E: Structure Reports Online, 2012, 68, m984-m985.	0.2	0
270	Crystal structure of trans-dichloro(1,4-bis-(diphenylphosphino)butane)-(N,N'-1,2-dimethyl-ethanediamine)ruthenium(II), C ₃₂ H ₄₀ Cl ₂ N ₂ P ₂ Ru. Zeitschrift Fur Kristallographie - New Crystal Structures, 2012, 227, 379-382.	0.1	0

#	ARTICLE	IF	CITATIONS
289	Crystal structure and Hirshfeld surface analysis of 2-(4-nitrophenyl)-2-oxoethyl 2-chlorobenzoate. Acta Crystallographica Section E: Crystallographic Communications, 2019, 75, 1792-1796.	0.2	0
290	One Pot Ultrasonic Assisted {[Ni(tptz)Cl(H ₂ O) ₂][Ni(tptz)(H ₂ O) ₃]}·3Cl·5H ₂ O Complex Formation Using Triazine Ligand, XRD/HSA-Interactions, and Spectral and Thermal Investigation. Crystals, 2021, 11, 1474.	1.0	0
291	Behavior of clay intercalated by Ca ²⁺ ions on abrasion-corrosion of Nicrofer 3127 alloy in polluted phosphoric acid medium. Ionics, 2022, 28, 2489.	1.2	0