List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Exploitation of a new green inhibitor against mild steel corrosion in HCl: Experimental, DFT and MD simulation approach. Journal of Molecular Liquids, 2022, 349, 118102.	4.9	40
2	Synthesis, structural characterization, Hirshfeld surface analysis and anti-corrosion on mild steel in 1M HCl of ethyl 2-(3-methyl-2-oxo-1,2-dihydroquinoxaline-1-yl)acetate. Journal of Molecular Structure, 2022, 1251, 132047.	3.6	11
3	Development of New Pyrimidine Derivative Inhibitor for Mild Steel Corrosion in Acid Medium. Journal of Bio- and Tribo-Corrosion, 2022, 8, 1.	2.6	15
4	Performance of triazole derivatives as potential corrosion in-hibitors for mild steel in a strong phosphoric acid medium: Combining experimental and computational (DFT, MDs & QSAR) approaches. Journal of Molecular Structure, 2022, 1256, 132515.	3.6	18
5	HCl. Journal of Bio- and Tribo-Corrosion, 2022, 8, 1.	2.6	4
6	Isoxazoline Derivatives as Inhibitors for Mild Steel Corrosion in 1M H2SO4: Computational and Experimental Investigations. Journal of Materials Engineering and Performance, 2022, 31, 7204-7219.	2.5	2
7	Experimental and theoretical examinations of two quinolin-8-ol-piperazine derivatives as organic corrosion inhibitors for C35E steel in hydrochloric acid. Journal of Molecular Liquids, 2022, 354, 118900.	4.9	15
8	Experimental and theoretical investigations of two quinolin-8-ol derivatives as inhibitors for carbon steel in 1ÂM HCl solution. Journal of Physics and Chemistry of Solids, 2022, 165, 110699.	4.0	13
9	Synthesis and anticorrosive properties of epoxy polymer for CS in [1ÂM] HCl solution: Electrochemical, AFM, DFT and MD simulations. Construction and Building Materials, 2021, 270, 121454.	7.2	92
10	Molecular dynamics, DFT and electrochemical to study the interfacial adsorption behavior of new imidazo[4,5-b] pyridine derivative as corrosion inhibitor in acid medium. Journal of Applied Electrochemistry, 2021, 51, 245-265.	2.9	34
11	A newly synthesized quinoline derivative as corrosion inhibitor for mild steel in molar acid medium: Characterization (SEM/EDS), experimental and theoretical approach. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 610, 125746.	4.7	44
12	Green synthesis of novel carbohydrate polymer chitosan oligosaccharide grafted on d-glucose derivative as bio-based corrosion inhibitor. Journal of Molecular Liquids, 2021, 322, 114549.	4.9	77
13	Corrosion inhibition effect of 5-(4-methylpiperazine)-methylquinoline-8-ol on carbon steel in molar acid medium. Inorganic Chemistry Communication, 2021, 123, 108366.	3.9	16
14	New epoxy composite polymers as a potential anticorrosive coatings for carbon steel in 3.5% NaCl solution: Experimental and computational approaches. Chemical Data Collections, 2021, 31, 100619.	2.3	48
15	Pyridinium-based ionic liquids as novel eco-friendly corrosion inhibitors for mild steel in molar hydrochloric acid: Experimental & computational approach. Surfaces and Interfaces, 2021, 22, 100881.	3.0	35
16	Bio-active corrosion inhibitor based on 8-hydroxyquinoline-grafted-Alginate: Experimental and computational approaches. Journal of Molecular Liquids, 2021, 323, 114615.	4.9	17
17	New alkyl (cyclohexyl) 2-oxo-1-(propâ€ʿ2-yn-1-yl)-1, 2-dihydroquinoline-4-carboxylates: Synthesis, crystal structure, spectroscopic characterization, hirshfeld surface analysis, molecular docking studies and DFT calculations. Journal of Molecular Structure, 2021, 1227, 129520.	3.6	11
18	Experimental and empirical assessment of two new 8-hydroxyquinoline analogs as effective corrosion inhibitor for C22E steel in 1ÂM HCl. Journal of Molecular Liquids, 2021, 325, 114644.	4.9	22

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19	Electrochemical studies, Monte Carlo simulation and DFT of a new composite - pentaglycidyl ether pentaphenoxy of phosphorus - crosslinked and hybrid in its coating behavior on E24 carbon steel in 3.5% NaCl. Portugaliae Electrochimica Acta, 2021, 39, 1-1.	1.1	5
20	Electrochemical and theoretical considerations for interfacial adsorption of novel long chain acid pyrazole for mild steel conservation in 1 M HCl medium. Chemical Data Collections, 2021, 31, 100638.	2.3	9
21	8-hydroxyquinoline grafted triazole derivatives as corrosion inhibitors for carbon steel in H2SO4 solution: Electrochemical and theoretical studies. Ionics, 2021, 27, 2267-2288.	2.4	7
22	Experimental, Density Functional Theory, and Dynamic Molecular Studies of Imidazopyridine Derivatives as Corrosion Inhibitors for Mild Steel in Hydrochloric Acid. Surface Engineering and Applied Electrochemistry, 2021, 57, 233-254.	0.8	20
23	Synthesis and anti-corrosion characteristics of new 8-quinolinol analogs with amide-substituted on C35E steel in acidic medium: Experimental and computational ways. Journal of Molecular Liquids, 2021, 325, 115224.	4.9	14
24	Anti-corrosion performance of pyran-2-one derivatives for mild steel in acidic medium: Electrochemical and theoretical study. Chemical Data Collections, 2021, 32, 100655.	2.3	8
25	Anticorrosive properties of a green and sustainable inhibitor from leaves extract of Cannabis sativa plant: Experimental and theoretical approach. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 614, 126211.	4.7	71
26	Anticorrosion and adsorption performance of expired antibacterial drugs on Sabic iron corrosion in HCl solution: Chemical, electrochemical and theoretical approach. Journal of Molecular Liquids, 2021, 330, 115702.	4.9	50
27	Aminothiazolyl coumarin derivatives as effectual inhibitors to alleviate corrosion on mild steel in 0.5ÂM H2SO4. Journal of Applied Electrochemistry, 2021, 51, 1323-1344.	2.9	6
28	The influence of low concentration of 2-(5-methyl-2-nitro-1H-imidazol-1-yl)ethyl benzoate on corrosion brass in 0.5ÂM H2SO4 solution. Surfaces and Interfaces, 2021, 24, 101088.	3.0	7
29	Syntheses, single crystal X-ray structure, Hirshfeld surface analyses, DFT computations and Monte Carlo simulations of New Eugenol derivatives bearing 1,2,3-triazole moiety. Journal of Molecular Structure, 2021, 1234, 130189.	3.6	19
30	Insights into the inhibition mechanism of 2,5-bis(4-pyridyl)-1,3,4-oxadiazole for carbon steel corrosion in hydrochloric acid pickling via experimental and computational approaches. Journal of Molecular Liquids, 2021, 342, 116958.	4.9	28
31	Corrosion inhibition behavior of chalcone oxime derivatives on carbon steel in 0.5ÂM H2SO4. Journal of Applied Electrochemistry, 2021, 51, 1755-1770.	2.9	13
32	Corrosion inhibition performance of 4-(prop-2-ynyl)- [1,4]-benzothiazin-3-one against mild steel in 1ÂM HCl solution: Experimental and theoretical studies. International Journal of Hydrogen Energy, 2021, 46, 25800-25818.	7.1	41
33	Insight into the corrosion inhibition of new amino-acids as efficient inhibitors for mild steel in HCl solution: Experimental studies and theoretical calculations. Journal of Molecular Liquids, 2021, 334, 116520.	4.9	62
34	Chemical, electrochemical, quantum, and surface analysis evaluation on the inhibition performance of novel imidazo[4,5-b] pyridine derivatives against mild steel corrosion. Corrosion Science, 2021, 189, 109621.	6.6	69
35	DFT/electronic scale, MD simulation and evaluation of 6-methyl-2-(p-tolyl)-1,4-dihydroquinoxaline as a potential corrosion inhibition. Journal of Molecular Liquids, 2021, 335, 116539.	4.9	48
36	Appraisal of corrosion inhibiting ability of new 5-N-((alkylamino)methyl)quinolin-8-ol analogs for C40E steel in sulfuric acid. International Journal of Hydrogen Energy, 2021, 46, 30246-30266.	7.1	22

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37	Insight into the corrosion inhibition property of two new soluble and non-toxic xanthenbenzoate derivatives. Journal of Molecular Liquids, 2021, 338, 116610.	4.9	19
38	Performance of curing epoxy resin as potential anticorrosive coating for carbon steel in 3.5% NaCl medium: Combining experimental and computational approaches. Chemical Physics Letters, 2021, 783, 139081.	2.6	46
39	Chalcone oxime derivatives as new inhibitors corrosion of carbon steel in 1†M HCl solution. Journal of Molecular Liquids, 2021, 337, 116398.	4.9	29
40	Insight into the corrosion inhibition of novel macromolecular epoxy resin as highly efficient inhibitor for carbon steel in acidic mediums: Synthesis, characterization, electrochemical techniques, AFM/UV–Visible and computational investigations. Journal of Molecular Liquids, 2021, 337, 116492.	4.9	92
41	Performance of two new epoxy resins as potential corrosion inhibitors for carbon steel in 1MHCl medium: Combining experimental and computational approaches. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 626, 127066.	4.7	44
42	Insight into the corrosion inhibition of new benzodiazepine derivatives as highly efficient inhibitors for mild steel in 1ÂM HCI: Experimental and theoretical study. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 629, 127428.	4.7	26
43	Carbon steel corrosion inhibition in H2SO4 0.5ÂM medium by thiazole-based molecules: Weight loss, electrochemical, XPS and molecular modeling approaches. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 630, 127556.	4.7	18
44	Investigation and comparative study of the quantum molecular descriptors derived from the theoretical modeling and Monte Carlo simulation of two new macromolecular polyepoxide architectures TGEEBA and HGEMDA. Journal of King Saud University - Science, 2020, 32, 667-676.	3.5	42
45	Anticorrosion effect of a green sustainable inhibitor on mild steel in hydrochloric acid. Journal of Colloid and Interface Science, 2020, 580, 740-752.	9.4	70
46	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. Chemical Physics Letters, 2020, 754, 137771.	2.6	50
47	Tetrahydropyrimido-Triazepine derivatives as anti-corrosion additives for acid corrosion: Chemical, electrochemical, surface and theoretical studies. Chemical Physics Letters, 2020, 743, 137181.	2.6	73
48	Study of adsorption mechanism of chalcone derivatives on mild steel-sulfuric acid interface. Journal of Molecular Liquids, 2020, 318, 113890.	4.9	14
49	An experimental-coupled empirical investigation on the corrosion inhibitory action of 7-alkyl-8-Hydroxyquinolines on C35E steel in HCl electrolyte. Journal of Molecular Liquids, 2020, 317, 113973.	4.9	55
50	Experimental studies and computational exploration on the 2-amino-5-(2-methoxyphenyl)-1,3,4-thiadiazole as novel corrosion inhibitor for mild steel in acidic environment. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 604, 125320.	4.7	43
51	Amino acid structure analog as a corrosion inhibitor of carbon steel in 0.5 M H2SO4: Electrochemical, synergistic effect and theoretical studies. Chemical Data Collections, 2020, 30, 100586.	2.3	36
52	Combined electronic/atomic level computational, surface (SEM/EDS), chemical and electrochemical studies of the mild steel surface by quinoxalines derivatives anti-corrosion properties in 1â€ ⁻ molâ‹L-1 HCl solution. Chinese Journal of Chemical Engineering, 2020, 28, 1436-1458.	3.5	43
53	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.	1.1	2
54	Coupling of chemical, electrochemical and theoretical approach to study the corrosion inhibition of mild steel by new quinoxaline compounds in 1 M HCl. Heliyon, 2020, 6, e03939.	3.2	57

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55	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. Journal of Molecular Liquids, 2020, 312, 113367.	4.9	67
56	Synthesis of new epoxy glucose derivatives as a non-toxic corrosion inhibitors for carbon steel in molar HCI: Experimental, DFT and MD simulation. Chemical Data Collections, 2020, 27, 100394.	2.3	58
57	The inhibitory effect of two 5-alkylthio-8-hydroxyquinoline salts on steel C22E in a molar electrolyte of hydrochloric acid: Experimental and theoretical studies. Surfaces and Interfaces, 2020, 20, 100575.	3.0	10
58	Chemical, electrochemical and theoretical studies of 3-methyl-5,5′-diphenylimidazolidine-2,4-dione as corrosion inhibitor for mild steel in HCl solution. Chemical Data Collections, 2020, 28, 100454.	2.3	18
59	Evaluation of Lavandula mairei extract as green inhibitor for mild steel corrosion in 1ÂM HCl solution. Experimental and theoretical approach. Journal of Molecular Liquids, 2020, 313, 113493.	4.9	110
60	Computational, MD simulation, SEM/EDX and experimental studies for understanding adsorption of benzimidazole derivatives as corrosion inhibitors in 1.0ÂM HCl solution. Journal of Alloys and Compounds, 2020, 844, 155842.	5.5	114
61	Preparation and anti-corrosion activity of novel 8-hydroxyquinoline derivative for carbon steel corrosion in HCl molar: Computational and experimental analyses. Journal of Molecular Liquids, 2020, 307, 112923.	4.9	59
62	Experimental and computational approaches on the pyran derivatives for acid corrosion. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 603, 125231.	4.7	60
63	Electrochemical and theoretical insights on the adsorption and corrosion inhibition of novel pyridinium-derived ionic liquids for mild steel in 1ÂM HCl. Journal of Molecular Liquids, 2020, 314, 113737.	4.9	86
64	Acid corrosion inhibition of ferrous and non-ferrous metal by nature friendly Ethoxycarbonylmethyltriphenylphosphonium Bromide (ECMTPB): Experimental and MD simulation evaluation. Journal of Molecular Liquids, 2020, 315, 113705.	4.9	31
65	Thiazolo thiadiazole derivatives as anti-corrosion additives for acid corrosion. Chemical Data Collections, 2020, 26, 100358.	2.3	29
66	Trifunctional epoxy polymer as corrosion inhibition material for carbon steel in 1.0ÂM HCl: MD simulations, DFT and complexation computations. Inorganic Chemistry Communication, 2020, 115, 107858.	3.9	162
67	Synthesis, characterization and corrosion inhibition potential of newly benzimidazole derivatives: Combining theoretical and experimental study. Surfaces and Interfaces, 2020, 18, 100442.	3.0	29
68	Development and potential performance of prepolymer in corrosion inhibition for carbon steel in 1.0ÂM HCI: Outlooks from experimental and computational investigations. Journal of Colloid and Interface Science, 2020, 574, 43-60.	9.4	175
69	Sample synthesis, characterization, experimental and theoretical study of the inhibitory power of new 8-hydroxyquinoline derivatives for mild steel in 1.0ÂM HCl. Journal of Molecular Structure, 2020, 1213, 128155.	3.6	58
70	Experimental and computational investigations on the anti-corrosive and adsorption behavior of 7-N,N'-dialkyaminomethyl-8-Hydroxyquinolines on C40E steel surface in acidic medium. Journal of Colloid and Interface Science, 2020, 576, 330-344.	9.4	57
71	Isopentyltriphenylphosphonium bromideionic liquid as a newly effective corrosion inhibitor on metal-electrolyte interface in acidic medium: Experimental, surface morphological (SEM-EDX &) Tj ETQq1	1 0.748 9 314	∙rg 8 ∓ /Overlo
72	Corrosion inhibition of mild steel by new Benzothiazine derivative in a hydrochloric acid solution: Experimental evaluation and theoretical calculations. Chemical Data Collections, 2019, 22, 100252.	2.3	49

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73	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.	1.1	25
74	Corrosion assessement of mild steel in acid environment using novel triazole derivative as a anti-corrosion agent: A combined experimental and quantum chemical study. Chemical Data Collections, 2019, 24, 100302.	2.3	46
75	The inhibitive impact of both kinds of 5-isothiocyanatomethyl-8-hydroxyquinoline derivatives on the corrosion of carbon steel in acidic electrolyte. Journal of Molecular Liquids, 2019, 295, 111629.	4.9	66
76	Performance and computational studies of two soluble pyran derivatives as corrosion inhibitors for mild steel in HCl. Journal of Molecular Structure, 2019, 1196, 231-244.	3.6	76
77	Performance and computational studies of new soluble triazole as corrosion inhibitor for carbon steel in HCl. Chemical Data Collections, 2019, 22, 100242.	2.3	51
78	Synthesis, Experimental and Theoretical Investigation of Tetrazole Derivative as an Effective Corrosion Inhibitor for Mild Steel in 1ÂM HCl. Journal of Bio- and Tribo-Corrosion, 2019, 5, 1.	2.6	18
79	Novel derivative epoxy resin TGETET as a corrosion inhibition of E24 carbon steel in 1.0â€ ⁻ M HCl solution. Experimental and computational (DFT and MD simulations) methods. Journal of Molecular Liquids, 2019, 284, 182-192.	4.9	178
80	Corrosion Inhibition of Ordinary Steel in 5.0ÂM HCl Medium by Benzimidazole Derivatives: Electrochemical, UV–Visible Spectrometry, and DFT Calculations. Journal of Bio- and Tribo-Corrosion, 2019, 5, 1.	2.6	63
81	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. Journal of Molecular Liquids, 2019, 276, 120-133.	4.9	117
82	Synthesis and investigation of quinazoline derivatives based on 8-hydroxyquinoline as corrosion inhibitors for mild steel in acidic environment: experimental and theoretical studies. Ionics, 2019, 25, 3473-3491.	2.4	46
83	New quinoxaline derivative as a green corrosion inhibitor for mild steel in mild acidic medium: Electrochemical and theoretical studies. International Journal of Corrosion and Scale Inhibition, 2019, 8, .	0.6	7
84	Practical and Theoretical Study on the Inhibitory Influences of New Azomethine Derivatives Containing an 8-Hydroxyquinoline Moiety for the Corrosion of Carbon Steel in 1 M HCl. Oriental Journal of Chemistry, 2018, 34, 3016-3029.	0.3	38
85		1.3	37
86	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. Journal of Materials and Environmental Science, 2018, 9, 345-357.	0.5	5
87	Inhibitor effect of new azomethine derivative containing an 8-hydroxyquinoline moiety on corrosion behavior of mild carbon steel in acidic media. International Journal of Corrosion and Scale Inhibition, 2018, 7, .	0.6	6