

Belkheir Hammouti

List of Publications by Year in descending order

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198
papers

8,883
citations

36271

51
h-index

53190

85
g-index

198
all docs

198
docs citations

198
times ranked

3712
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermodynamic properties of 2,5-bis(4-methoxyphenyl)-1,3,4-oxadiazole as a corrosion inhibitor for mild steel in normal sulfuric acid medium. <i>Corrosion Science</i> , 2006, 48, 2831-2842.	3.0	436
2	Adsorption properties and inhibition of mild steel corrosion in hydrochloric solution by some newly synthesized diamine derivatives: Experimental and theoretical investigations. <i>Corrosion Science</i> , 2010, 52, 3042-3051.	3.0	334
3	Corrosion control of carbon steel in phosphoric acid by purpald " Weight loss, electrochemical and XPS studies. <i>Corrosion Science</i> , 2012, 64, 243-252.	3.0	252
4	Pennyroyal oil from <i>Mentha pulegium</i> as corrosion inhibitor for steel in 1M HCl. <i>Materials Letters</i> , 2006, 60, 2840-2843.	1.3	228
5	Establishment of equivalent circuits from electrochemical impedance spectroscopy study of corrosion inhibition of steel by pyrazine in sulphuric acidic solution. <i>Applied Surface Science</i> , 2006, 252, 4190-4197.	3.1	210
6	New thio-compounds as corrosion inhibitor for steel in 1M HCl. <i>Corrosion Science</i> , 2006, 48, 2470-2479.	3.0	208
7	Corrosion inhibitors for iron in hydrochloride acid solution by newly synthesised pyridazine derivatives. <i>Corrosion Science</i> , 2003, 45, 1675-1684.	3.0	204
8	Corrosion inhibition of iron in 1M HCl by 1-phenyl-5-mercapto-1,2,3,4-tetrazole. <i>Applied Surface Science</i> , 1996, 93, 59-66.	3.1	174
9	Insights into corrosion inhibition behavior of three chalcone derivatives for mild steel in hydrochloric acid solution. <i>Journal of Molecular Liquids</i> , 2017, 238, 71-83.	2.3	171
10	Effect of clozapine on inhibition of mild steel corrosion in 1.0 M HCl medium. <i>Journal of Molecular Liquids</i> , 2017, 225, 271-280.	2.3	167
11	Inhibitive action of bipyrazolic type organic compounds towards corrosion of pure iron in acidic media. <i>Applied Surface Science</i> , 2005, 249, 375-385.	3.1	163
12	Thermodynamic characterisation of steel corrosion and inhibitor adsorption of pyridazine compounds in 0.5 M H ₂ SO ₄ . <i>Materials Letters</i> , 2006, 60, 1901-1905.	1.3	162
13	Corrosion inhibition of armco iron in 1 M HCl media by new bipyrazolic derivatives. <i>Corrosion Science</i> , 2000, 42, 929-940.	3.0	159
14	Some amino acids as corrosion inhibitors for copper in nitric acid solution. <i>Materials Letters</i> , 2008, 62, 3325-3327.	1.3	155
15	Some benzotriazole derivatives as corrosion inhibitors for copper in acidic medium: Experimental and quantum chemical molecular dynamics approach. <i>Materials Chemistry and Physics</i> , 2009, 117, 148-155.	2.0	132
16	A theoretical study on the inhibition efficiencies of some quinoxalines as corrosion inhibitors of copper in nitric acid. <i>Journal of Saudi Chemical Society</i> , 2014, 18, 450-455.	2.4	111
17	New synthesised pyridazine derivatives as effective inhibitors for the corrosion of pure iron in HCl medium. <i>Progress in Organic Coatings</i> , 2002, 45, 373-378.	1.9	106
18	Inhibitive action of some bipyrazolic compounds on the corrosion of steel in 1M HCl. <i>Materials Chemistry and Physics</i> , 2007, 105, 373-379.	2.0	105

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19	Fennel (<i>Foeniculum Vulgare</i>) Essential Oil as Green Corrosion Inhibitor of Carbon Steel in Hydrochloric Acid Solution. <i>Portugaliae Electrochimica Acta</i> , 2011, 29, 127-138.	0.4	105
20	Effect of the substitution of an oxygen atom by sulphur in a pyridazinic molecule towards inhibition of corrosion of steel in 0.5M H ₂ SO ₄ medium. <i>Progress in Organic Coatings</i> , 2004, 51, 118-124.	1.9	102
21	Inhibition of steel corrosion in 2M H ₃ PO ₄ by artemisia oil. <i>Applied Surface Science</i> , 2006, 252, 6212-6217.	3.1	100
22	Inhibition of the corrosion of steel in 1M HCl by eugenol derivatives. <i>Applied Surface Science</i> , 2005, 246, 199-206.	3.1	99
23	Essential oil of <i>Salvia aucheri mesatlantica</i> as a green inhibitor for the corrosion of steel in 0.5M H ₂ SO ₄ . <i>Arabian Journal of Chemistry</i> , 2012, 5, 467-474.	2.3	97
24	The effect of some lactones as inhibitors for the corrosion of mild steel in 1M hydrochloric acid. <i>Materials Chemistry and Physics</i> , 2007, 106, 260-267.	2.0	96
25	Investigation of the inhibitive effect of triphenyltin 2-thiophene carboxylate on corrosion of steel in 2M H ₃ PO ₄ solutions. <i>Applied Surface Science</i> , 2006, 252, 8341-8347.	3.1	95
26	Ruthenium ligand complex, an efficient inhibitor of steel corrosion in H ₃ PO ₄ media. <i>Materials Letters</i> , 2007, 61, 1197-1204.	1.3	91
27	Inhibitive Properties and Adsorption of Purpald as a Corrosion Inhibitor for Copper in Nitric Acid Medium. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 2560-2568.	1.8	91
28	Substituted uracils as corrosion inhibitors for copper in 3% NaCl solution. <i>Corrosion Science</i> , 2003, 45, 1619-1630.	3.0	90
29	A study of anti-corrosive effects of Artemisia oil on steel. <i>Pigment and Resin Technology</i> , 2004, 33, 287-292.	0.5	90
30	Inhibitive properties of 2,5-bis(n-methylphenyl)-1,3,4-oxadiazole and biocide on corrosion, biocorrosion and scaling controls of brass in simulated cooling water. <i>Corrosion Science</i> , 2014, 80, 442-452.	3.0	90
31	Corrosion inhibition of carbon steel in aggressive acidic media with 1-(2-(4-chlorophenyl)-2-oxoethyl)pyridazinium bromide. <i>Journal of Molecular Liquids</i> , 2015, 211, 1000-1008.	2.3	88
32	Chitosan polymer as a green corrosion inhibitor for copper in sulfide-containing synthetic seawater. <i>International Journal of Biological Macromolecules</i> , 2018, 119, 1311-1323.	3.6	86
33	Poly(4-vinylpyridine isopentyl bromide) as inhibitor for corrosion of pure iron in molar sulphuric acid. <i>Progress in Organic Coatings</i> , 2003, 46, 312-316.	1.9	77
34	Poly(4-vinylpyridine-poly(3-oxide-ethylene) tosyly) as an inhibitor for iron in sulphuric acid at 80 °C. <i>Corrosion Science</i> , 2004, 46, 2421-2430.	3.0	77
35	Inhibition of corrosion of iron in citric acid media by aminoacids. <i>Progress in Organic Coatings</i> , 2004, 51, 134-138.	1.9	76
36	Thermodynamic, chemical and electrochemical investigations of 2-mercapto benzimidazole as corrosion inhibitor for mild steel in hydrochloric acid solutions. <i>Arabian Journal of Chemistry</i> , 2011, 4, 17-24.	2.3	76

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37	Weight Loss, Electrochemical, Quantum Chemical Calculation, and Molecular Dynamics Simulation Studies on 2-(Benzylthio)-1,4,5-triphenyl-1H-imidazole as an Inhibitor for Carbon Steel Corrosion in Hydrochloric Acid. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 14315-14327.	1.8	71
38	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
39	New bipyrazole derivatives as corrosion inhibitors for steel in hydrochloric acid solutions. <i>Materials Chemistry and Physics</i> , 2005, 93, 281-285.	2.0	70
40	The inhibited effect of some tetrazolic compounds towards the corrosion of brass in nitric acid solution. <i>Applied Surface Science</i> , 2006, 252, 2389-2395.	3.1	70
41	Synergistic effect of iodide ions on the corrosion inhibition of steel in 0.5M H ₂ SO ₄ by new chalcone derivatives. <i>Applied Surface Science</i> , 2006, 252, 6236-6242.	3.1	69
42	Thiophene derivatives as effective inhibitors for the corrosion of steel in 0.5M H ₂ SO ₄ . <i>Journal of Applied Electrochemistry</i> , 2005, 35, 1095-1101.	1.5	68
43	Effect of some tripodal bipyrazolic compounds on C38 steel corrosion in hydrochloric acid solution. <i>Journal of Applied Electrochemistry</i> , 2010, 40, 1575-1582.	1.5	67
44	A pyrazine derivative as corrosion inhibitor for steel in sulphuric acid solution. <i>Applied Surface Science</i> , 2005, 242, 399-406.	3.1	66
45	The inhibitive effect of bipyrazolic derivatives on the corrosion of steel in hydrochloric acid solution. <i>Applied Surface Science</i> , 2005, 252, 1378-1385.	3.1	64
46	Study of the inhibition of the corrosion of copper and zinc in HNO ₃ solution by electrochemical technique and quantum chemical calculations. <i>Arabian Journal of Chemistry</i> , 2010, 3, 55-60.	2.3	62
47	CORROSION INHIBITION OF CARBON STEEL IN ACIDIC MEDIA BY <i>BIFURCARIA BIFURCATA</i> EXTRACT. <i>Chemical Engineering Communications</i> , 2009, 196, 788-800.	1.5	59
48	N-benzyl-N,N-bis[(3,5-dimethyl-1H-pyrazol-1-yl)methyl]amine as corrosion inhibitor of steel in 1M HCl. <i>Materials Letters</i> , 2007, 61, 799-804.	1.3	56
49	A Combined Experimental and Theoretical Study on the Corrosion Inhibition and Adsorption Behaviour of Quinoxaline Derivative During Carbon Steel Corrosion in Hydrochloric Acid. <i>Portugaliae Electrochimica Acta</i> , 2012, 30, 405-417.	0.4	56
50	APPLICATION OF ESSENTIAL OIL OF <i>ARTEMISIA HERBA ALBA</i> AS GREEN CORROSION INHIBITOR FOR STEEL IN 0.5 M H ₂ SO ₄ . <i>Surface Review and Letters</i> , 2009, 16, 49-54.	0.5	55
51	Corrosion Inhibition of Carbon Steel by Imidazolium and Pyridinium Cations Ionic Liquids in Acidic Environment. <i>Portugaliae Electrochimica Acta</i> , 2011, 29, 375-389.	0.4	55
52	Pyridine-pyrazole compound as inhibitor for steel in 1M HCl. <i>Applied Surface Science</i> , 2005, 240, 341-348.	3.1	53
53	Thiophene derivatives as effective inhibitors for the corrosion of steel in 0.5M H ₂ SO ₄ . <i>Progress in Organic Coatings</i> , 2004, 49, 225-228.	1.9	52
54	Thermodynamic properties of <i>Thymus satuireioides</i> essential oils as corrosion inhibitor of tinplate in 0.5 M HCl: chemical characterization and electrochemical study. <i>Green Chemistry Letters and Reviews</i> , 2010, 3, 173-178.	2.1	52

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55	Corrosion inhibition of steel in 0.5 M H ₂ SO ₄ by [(2-pyridin-4-ylethyl)thio]acetic acid. Applied Surface Science, 2005, 250, 50-56.	3.1	51
56	1,3-Bis(3-hydroxymethyl-5-methyl-1-pyrazole) propane as corrosion inhibitor for steel in 0.5M H ₂ SO ₄ solution. Applied Surface Science, 2005, 252, 339-344.	3.1	51
57	Corrosion inhibition of steel in sulphuric acid by pyrrolidine derivatives. Applied Surface Science, 2006, 252, 2178-2185.	3.1	51
58	Inhibition of copper corrosion by bipyrazole compound in aerated 3% NaCl. Journal of Saudi Chemical Society, 2012, 16, 413-418.	2.4	48
59	Inhibition of pure iron by new synthesized tripyrazole derivatives in HCl solution. Corrosion Science, 2006, 48, 2987-2997.	3.0	47
60	The effect of poly(vinyl caprolactone-co-vinyl pyridine) and poly(vinyl imidazol-co-vinyl pyridine) on the corrosion of steel in H ₃ PO ₄ media. Journal of Applied Electrochemistry, 2007, 37, 819-826.	1.5	44
61	Some new bipyrazole derivatives as corrosion inhibitors for C38 steel in acidic medium. Research on Chemical Intermediates, 2012, 38, 2051-2063.	1.3	44
62	Synthesis and characterization of composite based on cellulose acetate and hydroxyapatite application to the absorption of harmful substances. Carbohydrate Polymers, 2014, 111, 41-46.	5.1	43
63	5-Naphthylazo-8-hydroxyquinoline (5NA8HQ) as a novel corrosion inhibitor for mild steel in hydrochloric acid solution. Research on Chemical Intermediates, 2012, 38, 1591-1607.	1.3	42
64	Corrosion inhibition of steel in molar HCl by triphenyltin(2-thiophene carboxylate. Arabian Journal of Chemistry, 2011, 4, 243-247.	2.3	41
65	Anti-corrosive properties of Argan oil on C38 steel in molar HCl solution. Journal of Saudi Chemical Society, 2014, 18, 19-25.	2.4	41
66	New bipyrazolic derivatives as corrosion inhibitors of steel in 1M HCl. Progress in Organic Coatings, 2005, 54, 170-174.	1.9	40
67	Chemical composition and antioxidant activity of essential oils and solvent extracts of <i>Ptychotis verticillata</i> from Morocco. Food and Chemical Toxicology, 2011, 49, 533-536.	1.8	40
68	Inhibition of mild steel corrosion in 5% HCl solution by 5-(2-hydroxyphenyl)-1,2,4-triazole-3-thione. Research on Chemical Intermediates, 2013, 39, 2777-2793.	1.3	40
69	SYNTHESIS, CHARACTERIZATION, AND COMPARATIVE STUDY OF PYRIDINE DERIVATIVES AS CORROSION INHIBITORS OF MILD STEEL IN HCl MEDIUM. Chemical Engineering Communications, 2009, 196, 1536-1546.	1.5	39
70	Chemical composition and antioxidant activity of essential oils of <i>Thymus broussonetii</i> Boiss. and <i>Thymus algeriensis</i> Boiss. from Morocco. Asian Pacific Journal of Tropical Disease, 2014, 4, 281-286.	0.5	39
71	DFT and quantum chemical investigation of molecular properties of substituted pyrrolidinones. Arabian Journal of Chemistry, 2012, 5, 163-166.	2.3	38
72	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

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73	Argan hulls extract: green inhibitor of mild steel corrosion in 1M HCl solution. <i>Research on Chemical Intermediates</i> , 2012, 38, 1707-1717.	1.3	36
74	New telechelic compounds as corrosion inhibitors for steel in 1M HCl. <i>Applied Surface Science</i> , 2005, 249, 176-182.	3.1	35
75	The effect of 1,3,5-tetramethyl-1H-1,3-bipyrazole on the corrosion of steel in 1.0M hydrochloric acid. <i>Research on Chemical Intermediates</i> , 2011, 37, 985-1007.	1.3	35
76	Synthesis, characterization, and POM analysis of novel bioactive imidazolium-based ionic liquids. <i>Medicinal Chemistry Research</i> , 2015, 24, 1387-1395.	1.1	35
77	Inhibitive action of two bipyrazolic isomers towards corrosion of steel in 1M HCl solution. <i>Applied Surface Science</i> , 2005, 241, 326-334.	3.1	34
78	Comparative Study of Corrosion Inhibition on Mild Steel in HCl Medium by Three Green Compounds: <i>Argania spinosa</i> Press Cake, Kernels and Hulls Extracts. <i>Transactions of the Indian Institute of Metals</i> , 2013, 66, 43-49.	0.7	34
79	New synthesised diamine derivatives as corrosion inhibitors of steel in 0.5M H ₂ SO ₄ . <i>Progress in Organic Coatings</i> , 2005, 53, 292-296.	1.9	33
80	Synthesis, characterization and the antimicrobial activity of new eco-friendly ionic liquids. <i>Chemosphere</i> , 2013, 91, 1627-1634.	4.2	33
81	An investigation of carbon steel corrosion inhibition in hydrochloric acid medium by an environmentally friendly green inhibitor. <i>Research on Chemical Intermediates</i> , 2013, 39, 2663-2677.	1.3	33
82	Essential oil of <i>Foeniculum vulgare</i> antioxidant and corrosion inhibitor on mild steel immersed in hydrochloric medium. <i>Anti-Corrosion Methods and Materials</i> , 2017, 64, 563-572.	0.6	33
83	Inhibition of Mild Steel Corrosion by some Phenyltetrazole Substituted Compounds in Hydrochloric Acid. <i>Portugaliae Electrochimica Acta</i> , 2012, 30, 53-65.	0.4	33
84	Chemical variability of <i>Artemisia herba-alba</i> Asso essential oils from East Morocco. <i>Chemical Papers</i> , 2010, 64, .	1.0	32
85	Adsorption and Corrosion Inhibition Behavior of C38 Steel by one Derivative of Quinoxaline in 1 M HCl. <i>Portugaliae Electrochimica Acta</i> , 2011, 29, 57-68.	0.4	31
86	Synthesis of novel Cl ₂ Co ₄ L ₆ cluster using 1-hydroxymethyl-3,5-dimethylpyrazole (LH) ligand: Crystal structure, spectral, thermal, Hirschfeld surface analysis and catalytic oxidation evaluation. <i>Journal of Molecular Structure</i> , 2020, 1199, 126995.	1.8	30
87	New Eco-Friendly 1-Alkyl-3-(4-phenoxybutyl) Imidazolium-Based Ionic Liquids Derivatives: A Green Ultrasound-Assisted Synthesis, Characterization, Antibacterial Activity and POM Analyses. <i>Molecules</i> , 2014, 19, 11741-11759.	1.7	28
88	The Oil from <i>Mentha rotundifolia</i> as Green Inhibitor of Carbon Steel Corrosion in Hydrochloric Acid. <i>Chemical Engineering Communications</i> , 2016, 203, 270-277.	1.5	28
89	Poly(4-vinylpyridine-hexadecyl bromide) as corrosion inhibitor for mild steel in acid chloride solution. <i>Research on Chemical Intermediates</i> , 2012, 38, 2309-2325.	1.3	27
90	Inhibition of corrosion of mild steel in 1M HCl by the essential oil or solvent extracts of <i>Ptychotis verticillata</i> . <i>Research on Chemical Intermediates</i> , 2015, 41, 935-946.	1.3	27

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91	Towards Understanding the Anticorrosive Mechanism of Novel Surfactant Based on Mentha pulegium Oil as Eco-friendly Bio-source of Mild Steel in Acid Medium: a Combined DFT and Molecular Dynamics Investigation. <i>Chemical Research in Chinese Universities</i> , 2019, 35, 85-100.	1.3	27
92	Adsorption and corrosion inhibition of mild steel in hydrochloric acid solution by verbena essential oil. <i>Research on Chemical Intermediates</i> , 2013, 39, 973-989.	1.3	24
93	Inhibition of corrosion of copper in nitric acid solution by four amino acids. <i>Research on Chemical Intermediates</i> , 2014, 40, 991-1002.	1.3	24
94	Aqueous extracts of olive roots, stems, and leaves as eco-friendly corrosion inhibitor for steel in 1M HCl medium. <i>International Journal of Industrial Chemistry</i> , 2015, 6, 233-245.	3.1	24
95	Adsorption and inhibition mechanism of (Z)-4-((4-methoxybenzylidene)amino)-5-methyl-2,4-dihydro-3H-1,2,4-triazole-3-thione on carbon steel corrosion in HCl: Experimental and theoretical insights. <i>Journal of Molecular Structure</i> , 2021, 1231, 129901.	1.8	24
96	The effect of some triazole derivatives as inhibitors for the corrosion of mild steel in 5% hydrochloric acid. <i>Research on Chemical Intermediates</i> , 2013, 39, 3089-3103.	1.3	23
97	Peptidic compound as corrosion inhibitor for brass in nitric acid solution. <i>Progress in Organic Coatings</i> , 2004, 50, 144-147.	1.9	22
98	Effect of pulegone and pulegone oxide on the corrosion of steel in 1M HCl. <i>Monatshefte für Chemie</i> , 2008, 139, 1417-1422.	0.9	22
99	Inhibition effect of horehound (<i>Marrubium vulgare</i> L.) extract towards C38 steel corrosion in HCl solution. <i>Research on Chemical Intermediates</i> , 2013, 39, 3291-3302.	1.3	22
100	<i>Mentha pulegium</i> extract as a natural product for the inhibition of corrosion. Part I: electrochemical studies. <i>Natural Product Research</i> , 2014, 28, 1206-1209.	1.0	22
101	Investigation of inhibition by 6-bromo-3-nitroso-2-phenylimidazol[1,2- <i>b</i>]pyridine of the corrosion of C38 steel in 1M HCl. <i>Research on Chemical Intermediates</i> , 2015, 41, 913-925.	1.3	22
102	Electrochemical degradation of buprofezin insecticide in aqueous solutions by anodic oxidation at boron-doped diamond electrode. <i>Research on Chemical Intermediates</i> , 2013, 39, 505-516.	1.3	21
103	Study of a cysteine derivative as a corrosion inhibitor for carbon steel in phosphoric acid solution. <i>Research on Chemical Intermediates</i> , 2014, 40, 801-815.	1.3	21
104	Quantum chemical study of inhibition of the corrosion of mild steel in 1M hydrochloric acid solution by newly synthesized benzamide derivatives. <i>Research on Chemical Intermediates</i> , 2014, 40, 1069-1088.	1.3	21
105	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
106	Effect of the heat treatment on the corrosion behaviour of amorphous Fe-Cr-P-C-Si alloy in 0.5M H ₂ SO ₄ . <i>Applied Surface Science</i> , 2006, 252, 7921-7925.	3.1	20
107	Synthesis of calixarene derivatives and their anticorrosive effect on steel in 1M HCl. <i>Pigment and Resin Technology</i> , 2007, 36, 373-381.	0.5	20
108	Theoretical study of the corrosion inhibition of some bipyrazolic derivatives: a conceptual DFT investigation. <i>Research on Chemical Intermediates</i> , 2012, 38, 2009-2023.	1.3	20

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109	Synergistic effect of potassium iodide in controlling the corrosion of steel in acid medium by Mentha pulegium extract. Research on Chemical Intermediates, 2015, 41, 7973-7980.	1.3	20
110	Testing Natural Fenugreek as an Ecofriendly Inhibitor for Steel Corrosion in 1 M HCl. Portugaliae Electrochimica Acta, 2010, 28, 165-172.	0.4	20
111	Synthesis and anticorrosive effect of epoxyallylmenthols on steel in molar hydrochloric acid. Pigment and Resin Technology, 2007, 36, 293-298.	0.5	19
112	TWO DIPODAL PYRIDIN-PYRAZOL DERIVATIVES AS EFFICIENT INHIBITORS OF MILD STEEL CORROSION IN HCL SOLUTION " PART I: ELECTROCHEMICAL STUDY. Surface Review and Letters, 2011, 18, 303-313.	0.5	19
113	Effect of three 2-allyl-p-mentha-6,8-dien-2-ols on inhibition of mild steel corrosion in 1M HCl. Arabian Journal of Chemistry, 2014, 7, 680-686.	2.3	19
114	Inhibitive Action of Argan Press Cake Extract on the Corrosion of Steel in Acidic Media. Portugaliae Electrochimica Acta, 2012, 30, 267-279.	0.4	19
115	Comparative study of the effect of inorganic ions on the corrosion of Al 3003 and 6063 in carbonate solution. Progress in Organic Coatings, 2004, 51, 113-117.	1.9	18
116	Corrosion behaviour of steel in concentrated phosphoric acid solutions. Applied Surface Science, 2005, 252, 1657-1661.	3.1	18
117	Experimental and theoretical study for corrosion inhibition of mild steel 1M HCl solution by some new diaminopropanenitrile compounds. Research on Chemical Intermediates, 2012, 38, 1669-1690.	1.3	18
118	Carob seed oil: an efficient inhibitor of C38 steel corrosion in hydrochloric acid. International Journal of Industrial Chemistry, 2012, 3, 1.	3.1	18
119	Synergistic effect of AM-4VP-9 copolymer and iodide ion on corrosion inhibition of mild steel in 1M H2SO4. Research on Chemical Intermediates, 2013, 39, 1753-1770.	1.3	18
120	Influence of the nature of the anchoring group on electron injection processes at dye-titania interfaces. Physical Chemistry Chemical Physics, 2017, 19, 29389-29401.	1.3	18
121	A phytotoxic impact of phenolic compounds in olive oil mill wastewater on fenugreek "Trigonella foenum-graecum". Environmental Monitoring and Assessment, 2019, 191, 405.	1.3	17
122	Novel phenethylimidazolium based ionic liquids: Design, microwave synthesis, in-silico, modeling and biological evaluation studies. Journal of Molecular Liquids, 2020, 315, 113778.	2.3	17
123	Novel calixarene derivatives as inhibitors of mild C-38 steel corrosion in 1M HCl. Journal of Applied Electrochemistry, 2008, 38, 1253-1258.	1.5	16
124	Catechol oxidation: activity studies using electron-rich nitrogen-based ligands. Research on Chemical Intermediates, 2012, 38, 2427-2433.	1.3	16
125	Adsorption and corrosion inhibitive properties of piperidine derivatives on mild steel in phosphoric acid medium. Research on Chemical Intermediates, 2014, 40, 1201-1221.	1.3	16
126	structure and DFT calculations and catalytic activity in the hydrogenation of α,β -unsaturated ketones. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 117, 250-258.	2.0	16

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127	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
128	Theoretical study using DFT calculations on inhibitory action of four pyridazines on corrosion of copper in nitric acid. <i>Research on Chemical Intermediates</i> , 2012, 38, 2327-2334.	1.3	15
129	Evaluation of Melissa Officinalis Extract and Oil as Eco-friendly Corrosion Inhibitor for Carbon Steel in Acidic Chloride Solutions. <i>Oriental Journal of Chemistry</i> , 2016, 32, 1909-1921.	0.1	15
130	Thermodynamic Study and Characterization by Electrochemical Technique of Pyrazole Derivatives as Corrosion Inhibitors for C38 Steel in Molar Hydrochloric Acid. <i>Portugaliae Electrochimica Acta</i> , 2013, 31, 53-78.	0.4	15
131	Inhibition de la corrosion de l'alliage d'aluminium 6063 au moyen de composés inorganiques dans une solution de chlorure de sodium à 3 %. <i>Canadian Journal of Chemistry</i> , 2002, 80, 106-112.	0.6	14
132	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
133	Catecholase activity investigation for pyridazinone- and thiopyridazinone-based ligands. <i>Research on Chemical Intermediates</i> , 2012, 38, 1987-1998.	1.3	14
134	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
135	A comparative study of electrochemical oxidation of methidation organophosphorous pesticide on SnO ₂ and boron-doped diamond anodes. <i>Chemistry Central Journal</i> , 2015, 9, 59.	2.6	14
136	Adsorption and inhibition effect of 5-phenyl-1,2,4-triazole-3-thione on C38 steel corrosion in 1M HCl. <i>Research on Chemical Intermediates</i> , 2015, 41, 4617-4634.	1.3	14
137	Inhibition effect of E and Z conformations of 2-pyridinealdazine on mild steel corrosion in phosphoric acid. <i>Anti-Corrosion Methods and Materials</i> , 2017, 64, 23-35.	0.6	14
138	The Synergistic Effect of Chloride Ion and 1,5-Diaminonaphthalene on the Corrosion Inhibition of Mild Steel in 0.5M Sulfuric Acid: Experimental and Theoretical Insights.. <i>Surfaces and Interfaces</i> , 2018, 13, 168-177.	1.5	14
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