

Rachid Salghi

List of Publications by Year in descending order

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Version: 2024-02-01

171
papers

6,646
citations

57719

44
h-index

79644

73
g-index

176
all docs

176
docs citations

176
times ranked

3973
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrochemical treatment of industrial wastewater. <i>Journal of Hazardous Materials</i> , 2004, 113, 123-129.	6.5	302
2	Corrosion control of carbon steel in phosphoric acid by purpald â€“ Weight loss, electrochemical and XPS studies. <i>Corrosion Science</i> , 2012, 64, 243-252.	3.0	252
3	Effect of electron donating functional groups on corrosion inhibition of mild steel in hydrochloric acid: Experimental and quantum chemical study. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 82, 233-251.	2.7	244
4	Amino acid based imidazolium zwitterions as novel and green corrosion inhibitors for mild steel: Experimental, DFT and MD studies. <i>Journal of Molecular Liquids</i> , 2017, 244, 340-352.	2.3	231
5	Thiosemicarbazide and thiocarbohydrazide functionalized chitosan as ecofriendly corrosion inhibitors for carbon steel in hydrochloric acid solution. <i>International Journal of Biological Macromolecules</i> , 2018, 107, 1747-1757.	3.6	227
6	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
7	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
8	Correlated experimental and theoretical study on inhibition behavior of novel quinoline derivatives for the corrosion of mild steel in hydrochloric acid solution. <i>Journal of Molecular Liquids</i> , 2017, 244, 154-168.	2.3	165
9	Eco friendly green inhibitor Gum Arabic (GA) for the corrosion control of mild steel in hydrochloric acid medium. <i>Corrosion Science</i> , 2017, 129, 70-81.	3.0	160
10	Some amino acids as corrosion inhibitors for copper in nitric acid solution. <i>Materials Letters</i> , 2008, 62, 3325-3327.	1.3	155
11	On the understanding of the adsorption of Fenugreek gum on mild steel in an acidic medium: Insights from experimental and computational studies. <i>Applied Surface Science</i> , 2019, 463, 647-658.	3.1	136
12	Exploring the potential role of pyrazoline derivatives in corrosion inhibition of mild steel in hydrochloric acid solution: Insights from experimental and computational studies. <i>Construction and Building Materials</i> , 2020, 233, 117320.	3.2	123
13	Guar gum as efficient non-toxic inhibitor of carbon steel corrosion in phosphoric acid medium: Electrochemical, surface, DFT and MD simulations studies. <i>Journal of Molecular Structure</i> , 2017, 1145, 43-54.	1.8	109
14	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
15	A new schiff base derivative as an effective corrosion inhibitor for mild steel in acidic media: Experimental and computer simulations studies. <i>Journal of Molecular Structure</i> , 2018, 1168, 39-48.	1.8	100
16	Understanding corrosion inhibition of mild steel in acid medium by new benzonitriles: Insights from experimental and computational studies. <i>Journal of Molecular Liquids</i> , 2018, 266, 603-616.	2.3	96
17	Improved corrosion resistance of mild steel in acidic solution by hydrazone derivatives: An experimental and computational study. <i>Arabian Journal of Chemistry</i> , 2020, 13, 2934-2954.	2.3	89
18	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

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19	Selective extraction and determination of catecholamines in urine samples by using a dopamine magnetic molecularly imprinted polymer and capillary electrophoresis. <i>Talanta</i> , 2012, 99, 897-903.	2.9	84
20	Corrosion inhibition performance of chromone-3-acrylic acid derivatives for low alloy steel with theoretical modeling and experimental aspects. <i>Journal of Molecular Liquids</i> , 2017, 243, 439-450.	2.3	81
21	Synthesis, crystal structure, Hirshfeld surface analysis and DFT calculations of 2-[(2,3-dimethylphenyl)amino]-N TM -[(E)-thiophen-2-ylmethylidene]benzohydrazide. <i>Journal of Molecular Structure</i> , 2020, 1205, 127654.	1.8	76
22	N-Methyl-N,N,N-trioctylammonium chloride as a novel and green corrosion inhibitor for mild steel in an acid chloride medium: electrochemical, DFT and MD studies. <i>New Journal of Chemistry</i> , 2017, 41, 13647-13662.	1.4	74
23	Assessing the impact of electron-donating-substituted chalcones on inhibition of mild steel corrosion in HCl solution: Experimental results and molecular-level insights. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 588, 124366.	2.3	73
24	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
25	Assessing corrosion inhibition characteristics of hydrazone derivatives on mild steel in HCl: Insights from electronic-scale DFT and atomic-scale molecular dynamics. <i>Journal of Molecular Liquids</i> , 2020, 308, 112998.	2.3	71
26	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
27	Bolaamphiphile-class surfactants as corrosion inhibitor model compounds against acid corrosion of mild steel. <i>Journal of Molecular Liquids</i> , 2020, 309, 113070.	2.3	70
28	Detection of argan oil adulteration with vegetable oils by high-performance liquid chromatography- TM evaporative light scattering detection. <i>Food Chemistry</i> , 2014, 153, 387-392.	4.2	66
29	New phosphonate based corrosion inhibitors for mild steel in hydrochloric acid useful for industrial pickling processes: experimental and theoretical approach. <i>New Journal of Chemistry</i> , 2017, 41, 13114-13129.	1.4	64
30	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
31	Synthesis, structural and molecular characterization of 2,2-diphenyl-2H,3H,5H,6H,7H-imidazo[2,1-b][1,3]thiazin-3-one. <i>Journal of Molecular Structure</i> , 2019, 1197, 369-376.	1.8	60
32	A comprehensive study about anti-corrosion behaviour of pyrazine carbohydrazide: Gravimetric, electrochemical, surface and theoretical study. <i>Journal of Molecular Liquids</i> , 2020, 299, 112160.	2.3	59
33	Triazolic compounds as corrosion inhibitors for copper in hydrochloric acid. <i>Pigment and Resin Technology</i> , 2007, 36, 161-168.	0.5	58
34	Evaluation of 2-Mercaptobenzimidazole Derivatives as Corrosion Inhibitors for Mild Steel in Hydrochloric Acid. <i>Metals</i> , 2020, 10, 357.	1.0	58
35	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
36	Minified dose of urispas drug as better corrosion constraint for soft steel in sulphuric acid solution. <i>Journal of Molecular Liquids</i> , 2018, 269, 371-380.	2.3	55

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37	Ionic liquids supported on magnetic nanoparticles as a sorbent preconcentration material for sulfonylurea herbicides prior to their determination by capillary liquid chromatography. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 404, 1529-1538.	1.9	53
38	Corrosion Inhibition Behavior of 9-Hydroxyrisperidone as a Green Corrosion Inhibitor for Mild Steel in Hydrochloric Acid: Electrochemical, DFT and MD Simulations Studies. <i>International Journal of Electrochemical Science</i> , 2018, 13, 250-264.	0.5	53
39	Thermodynamic properties of <i>Thymus satureioides</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
40	Magnetic nanocellulose from olive industry solid waste for the effective removal of methylene blue from wastewater. <i>Environmental Science and Pollution Research</i> , 2018, 25, 22060-22074.	2.7	52
41	A study of tetrazoles derivatives as corrosion inhibitors of copper in nitric acid. <i>Pigment and Resin Technology</i> , 2006, 35, 151-157.	0.5	51
42	Botulinum toxin therapy: a tempting tool in the management of salivary secretory disorders. <i>American Journal of Otolaryngology - Head and Neck Medicine and Surgery</i> , 2008, 29, 333-338.	0.6	48
43	Microwave-assisted synthesis of novel imidazolium, pyridinium and pyridazinium-based ionic liquids and/or salts and prediction of physico-chemical properties for their toxicity and antibacterial activity. <i>Journal of Molecular Liquids</i> , 2018, 249, 747-753.	2.3	48
44	Investigation of corrosion inhibition of carbon steel in 0.5 M H ₂ SO ₄ by new bipyrazole derivative using experimental and theoretical approaches. <i>Journal of Environmental Chemical Engineering</i> , 2015, 3, 2031-2041.	3.3	47
45	Electrochemical Behavior and Computational Analysis of Phenylephrine for Corrosion Inhibition of Aluminum in Acidic Medium. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2019, 50, 468-479.	1.1	47
46	Adsorption and Corrosion Inhibition Effect of 2-Mercaptobenzimidazole (Surfactant) on a Carbon Steel Surface in an Acidic Medium: Experimental and Monte Carlo Simulations. <i>Portugaliae Electrochimica Acta</i> , 2018, 36, 197-212.	0.4	47
47	Corrosion inhibition of steel in sulfuric acidic solution by the <i>Chenopodium Ambrosioides</i> Extracts. <i>Journal of the Association of Arab Universities for Basic and Applied Sciences</i> , 2014, 16, 83-90.	1.0	44
48	Preparation and characterization of biodegradable nanocomposites derived from carboxymethyl cellulose and hydroxyapatite. <i>Carbohydrate Polymers</i> , 2017, 167, 59-69.	5.1	44
49	Synthesis and corrosion inhibition evaluation of a new schiff base hydrazone for mild steel corrosion in HCl medium: electrochemical, DFT, and molecular dynamics simulations studies. <i>Journal of Adhesion Science and Technology</i> , 2020, 34, 1283-1314.	1.4	43
50	Magnetic/non-magnetic argan press cake nanocellulose for the selective extraction of sudan dyes in food samples prior to the determination by capillary liquid chromatography. <i>Talanta</i> , 2017, 166, 63-69.	2.9	42
51	Anti-corrosive properties of Argan oil on C38 steel in molar HCl solution. <i>Journal of Saudi Chemical Society</i> , 2014, 18, 19-25.	2.4	41
52	Comprehensive assessment of corrosion inhibition mechanisms of novel benzimidazole compounds for mild steel in HCl: An experimental and theoretical investigation. <i>Journal of Molecular Liquids</i> , 2020, 320, 114383.	2.3	41
53	Inhibition performances of spirocyclopropane derivatives for mild steel protection in HCl. <i>Materials Chemistry and Physics</i> , 2020, 243, 122582.	2.0	40
54	Theoretical approach to the corrosion inhibition efficiency of some quinoxaline derivatives of steel in acid media using the DFT method. <i>Research on Chemical Intermediates</i> , 2013, 39, 1125-1133.	1.3	38

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55	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
56	Inhibition de la corrosion du cuivre en milieu HCl 0,5 M par les composés organiques de type triazole Inhibition of copper corrosion in HCl 0.5 M medium by some triazolic compounds. <i>Annales De Chimie: Science Des Matériaux</i> , 2002, 27, 63-72.	0.2	35
57	Electrochemical Oxidation of 2,4,6-Trinitrophenol on Boron-Doped Diamond Anodes. <i>Journal of the Electrochemical Society</i> , 2005, 152, D113.	1.3	35
58	Indoor and outdoor air quality analysis for the city of Nablus in Palestine: seasonal trends of PM10, PM5.0, PM2.5, and PM1.0 of residential homes. <i>Air Quality, Atmosphere and Health</i> , 2018, 11, 229-237.	1.5	35
59	Comparative Study of Corrosion Inhibition on Mild Steel in HCl Medium by Three Green Compounds: Argania spinosa Press Cake, Kernels and Hulls Extracts. <i>Transactions of the Indian Institute of Metals</i> , 2013, 66, 43-49.	0.7	34
60	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
61	A novel approach to size separation of gold nanoparticles by capillary electrophoresis—evaporative light scattering detection. <i>RSC Advances</i> , 2015, 5, 16672-16677.	1.7	33
62	Exploring deep insights into the interaction mechanism of a quinazoline derivative with mild steel in HCl: electrochemical, DFT, and molecular dynamic simulation studies. <i>Journal of Adhesion Science and Technology</i> , 2019, 33, 921-944.	1.4	32
63	Evaluation of inhibitive and adsorption behavior of thiazole-4-carboxylates on mild steel corrosion in HCl. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 606, 125351.	2.3	32
64	Supercritical fluid extraction as an on-line clean-up technique for rapid amperometric screening and alternative liquid chromatography for confirmation of paraquat and diquat in olive oil samples. <i>Journal of Chromatography A</i> , 2008, 1204, 56-61.	1.8	31
65	Nanoparticle-based assay for the detection of virgin argan oil adulteration and its rapid quality evaluation. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 399, 2395-2405.	1.9	30
66	A joint experimental and theoretical investigation of the corrosion inhibition behavior and mechanism of hydrazone derivatives for mild steel in HCl solution. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 610, 125744.	2.3	30
67	Comparative study to determine the need for intraoperative colonic irrigation for primary anastomosis in left-sided colonic emergencies. <i>Colorectal Disease</i> , 2009, 11, 648-652.	0.7	29
68	Inhibition of acid corrosion of mild steel by Anacyclus pyrethrum L. extracts. <i>Research on Chemical Intermediates</i> , 2014, 40, 259-268.	1.3	29
69	Synthesis and evaluation of some new hydrazones as corrosion inhibitors for mild steel in acidic media. <i>Research on Chemical Intermediates</i> , 2019, 45, 2269-2286.	1.3	29
70	Unveiled understanding on corrosion inhibition mechanisms of hydrazone derivatives based on naproxen for mild steel in HCl: A joint experimental/theoretical study. <i>Journal of Molecular Liquids</i> , 2020, 320, 114442.	2.3	29
71	Étude électrochimique de l'inhibition de la corrosion de l'alliage d'aluminium 3003 en milieu bicarbonate par les composés triazolique. <i>Annales De Chimie: Science Des Matériaux</i> , 2000, 25, 187-200.	0.2	28
72	Ultrasound induced green synthesis of pyrazolo-pyridines as novel corrosion inhibitors useful for industrial pickling process: Experimental and theoretical approach. <i>Results in Physics</i> , 2019, 13, 102344.	2.0	28

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73	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
74	Graphene quantum dots for enhancement of fluorimetric detection coupled to capillary electrophoresis for detection of ofloxacin. <i>Electrophoresis</i> , 2019, 40, 2336-2341.	1.3	27
75	Nanostructured hybrid surface enhancement Raman scattering substrate for the rapid determination of sulfapyridine in milk samples. <i>Talanta</i> , 2019, 194, 357-362.	2.9	27
76	Adsorption and anticorrosion behaviour of mild steel treated with 2-((1H-indol-2-yl)thio)-6-amino-4-phenylpyridine-3,5-dicarbonitriles in a hydrochloric acid solution: Experimental and computational studies. <i>Journal of Molecular Liquids</i> , 2019, 283, 491-506.	2.3	26
77	Inhibition of C-steel Corrosion by Green Tea Extract in Hydrochloric Solution. <i>International Journal of Electrochemical Science</i> , 2017, 12, 3283-3295.	0.5	26
78	Pesticide Residues in Tomatoes from Greenhouses in Souss Massa Valley, Morocco. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2012, 88, 358-361.	1.3	25
79	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
80	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
81	Pyrazoline derivatives as possible corrosion inhibitors for mild steel in acidic media: A combined experimental and theoretical approach. <i>Cogent Engineering</i> , 2018, 5, 1441585.	1.1	23
82	New 8-Hydroxyquinoline-Bearing Quinoxaline Derivatives as Effective Corrosion Inhibitors for Mild Steel in HCl: Electrochemical and Computational Investigations. <i>Coatings</i> , 2020, 10, 811.	1.2	23
83	Inhibition of Mild Steel Corrosion in 1M Hydrochloric Medium by the Methanolic Extract of <i>Ammi visnaga</i> L. Lam Seeds. <i>International Journal of Corrosion</i> , 2020, 2020, 1-10.	0.6	23
84	Evaluating the corrosion inhibition properties of novel 1,2,3-triazolyl nucleosides and their synergistic effect with iodide ions against mild steel corrosion in HCl: A combined experimental and computational exploration. <i>Journal of Molecular Liquids</i> , 2021, 338, 116522.	2.3	23
85	Corrosion Inhibition Activity of an Expired Antibacterial Drug in Acidic Media amid Elucidate DFT and MD Simulations. <i>Portugaliae Electrochimica Acta</i> , 2018, 36, 213-230.	0.4	23
86	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
87	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
88	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
89	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
90	Corrosion Inhibition of Mild Steel in 1.0 M HCl by two Hydrazone Derivatives. <i>International Journal of Electrochemical Science</i> , 2019, 14, 6667-6681.	0.5	21

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91	Effect of the heat treatment on the corrosion behaviour of amorphous Fe-Cr-P-C-Si alloy in 0.5M H ₂ SO ₄ . Applied Surface Science, 2006, 252, 7921-7925.	3.1	20
92	The heterogeneous photo-oxidation of difenoconazole in the atmosphere. Atmospheric Environment, 2011, 45, 5997-6003.	1.9	20
93	Ziziphus lotus as Green Inhibitor of Copper Corrosion in Natural Sea Water. Portugaliae Electrochimica Acta, 2017, 35, 187-200.	0.4	20
94	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
95	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
96	Carob seed oil: an efficient inhibitor of C38 steel corrosion in hydrochloric acid. International Journal of Industrial Chemistry, 2012, 3, 1.	3.1	18
97	Adsorption mechanism of 3-(1,4-disubstituted-1,2,3-triazolyl) uridine nucleosides against the corrosion of mild steel in HCl. Materials Chemistry and Physics, 2021, 268, 124742.	2.0	18
98	Gas-phase UV absorption spectra of pyrazine, pyrimidine and pyridazine. Chemical Physics Letters, 2020, 751, 137469.	1.2	17
99	Theoretical study using DFT calculations on inhibitory action of four pyridazines on corrosion of copper in nitric acid. Research on Chemical Intermediates, 2012, 38, 2327-2334.	1.3	15
100	Inhibition of carbon steel corrosion in 1 M HCl medium by potassium thiocyanate. Journal of the Association of Arab Universities for Basic and Applied Sciences, 2014, 15, 21-27.	1.0	15
101	Inhibition de la corrosion de l'alliage d'aluminium 6063 au moyen de composés inorganiques dans une solution de chlorure de sodium à 3 %. Canadian Journal of Chemistry, 2002, 80, 106-112.	0.6	14
102	Capillary electrophoresis coupled to evaporative light scattering detection for direct determination of underivatized amino acids: Application to tea samples using carboxylated single-walled carbon nanotubes for sample preparation. Electrophoresis, 2013, 34, 2623-2631.	1.3	14
103	A comparative study of electrochemical oxidation of methidation organophosphorous pesticide on SnO ₂ and boron-doped diamond anodes. Chemistry Central Journal, 2015, 9, 59.	2.6	14
104	Adsorption and inhibition effect of 5-phenyl-1,2,4-triazole-3-thione on C38 steel corrosion in 1M HCl. Research on Chemical Intermediates, 2015, 41, 4617-4634.	1.3	14
105	Spiro [indoline-3,4'-pyrano[2,3-c]pyrazole] Derivatives as Novel Class of Green Corrosion Inhibitors for Mild Steel in Hydrochloric Acid Medium: Theoretical and Experimental Approach. Journal of Bio- and Tribo-Corrosion, 2018, 4, 1.	1.2	14
106	Synthesis, crystal structure, hirshfeld surface analysis, DFT computations and molecular dynamics study of 2-(benzyloxy)-3-phenylquinoxaline. Journal of Molecular Structure, 2020, 1221, 128727.	1.8	14
107	New Benzohydrazide Derivative as Corrosion Inhibitor for Carbon Steel in a 1.0 M HCl Solution: Electrochemical, DFT and Monte Carlo Simulation Studies. Portugaliae Electrochimica Acta, 2019, 37, 147-165.	0.4	14
108	Antioxidant activity and effect of quince pulp extract on the corrosion of C-steel in 1M HCl. Research on Chemical Intermediates, 2015, 41, 7463-7480.	1.3	13

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109	Atmospheric degradation of pyridine: UV absorption spectrum and reaction with OH radicals and O ₃ . <i>Chemical Physics Letters</i> , 2016, 662, 141-145.	1.2	13
110	Two Novel Benzodiazepines as Corrosion Inhibitors for Carbon Steel in Hydrochloric Acid: Experimental and Computational Studies. <i>Journal of Bio- and Tribo-Corrosion</i> , 2018, 4, 1.	1.2	13
111	6-phenylpyridazin-3(2H)one as New Corrosion Inhibitor for C38 Steel in 1 M HCl.. <i>International Journal of Electrochemical Science</i> , 2017, 12, 3309-3322.	0.5	13
112	Synthesis, experimental and theoretical characterization of (E)-2-((2,3-dimethylphenyl)amino)-N-(furan-2-ylmethylene)benzohydrazide. <i>Journal of Molecular Structure</i> , 2020, 1219, 128518.	1.8	12
113	Surface Polymers on Multiwalled Carbon Nanotubes for Selective Extraction and Electrochemical Determination of Rhodamine B in Food Samples. <i>Molecules</i> , 2021, 26, 2670.	1.7	12
114	Corrosion Inhibition of Steel by Various Parts of <i>Rotula Aquatica</i> Plant Extracts in H ₂ SO ₄ Solutions. <i>Portugaliae Electrochimica Acta</i> , 2014, 32, 395-403.	0.4	12
115	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
116	Corrosion inhibition of carbon steel in hydrochloric acid solution using pomegranate leave extracts. <i>Corrosion Engineering Science and Technology</i> , 0, , 1-9.	0.7	11
117	Design and Adaptation of an Interface for Commercial Capillary Electrophoresis-Evaporative Light Scattering Detection Coupling. <i>Analytical Chemistry</i> , 2013, 85, 4858-4862.	3.2	10
118	Capillary electrophoresis method for the discrimination between natural and artificial vanilla flavor for controlling food frauds. <i>Electrophoresis</i> , 2018, 39, 1628-1633.	1.3	10
119	In field control of <i>Botrytis cinerea</i> by synergistic action of a fungicide and organic sanitizer. <i>Journal of Integrative Agriculture</i> , 2018, 17, 1401-1408.	1.7	10
120	The protection mechanism offered by <i>Heterophragma adenophyllum</i> extract against Fe-C steel dissolution at low pH: Computational, statistical and electrochemical investigations. <i>Bioelectrochemistry</i> , 2020, 132, 107400.	2.4	10
121	Corrosion inhibition potentiality of some benzimidazole derivatives for mild steel in hydrochloric acid: Electrochemical and weight loss studies. <i>International Journal of Corrosion and Scale Inhibition</i> , 2016, 5, 347-359.	0.5	10
122	Studies on the inhibitive effect of potassium ferrocyanide on the corrosion of steel in phosphoric acid. <i>Research on Chemical Intermediates</i> , 2013, 39, 3475-3485.	1.3	9
123	Antifungal effectiveness of fungicide and peroxyacetic acid mixture on the growth of <i>Botrytis cinerea</i> . <i>Microbial Pathogenesis</i> , 2017, 105, 74-80.	1.3	9
124	Novel Natural Based Diazepines as Effective Corrosion Inhibitors for Carbon Steel in HCl Solution: Experimental, Theoretical and Monte Carlo Simulations. <i>Transactions of the Indian Institute of Metals</i> , 2017, 70, 2319-2333.	0.7	9
125	Naproxen-Based Hydrazones as Effective Corrosion Inhibitors for Mild Steel in 1.0 M HCl. <i>Coatings</i> , 2020, 10, 700.	1.2	9
126	New spirocyclopropane derivatives: synthesis and evaluation of their performances toward corrosion inhibition of mild steel in acidic media. <i>Research on Chemical Intermediates</i> , 2020, 46, 2881-2918.	1.3	9

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127	Almond waste extract as an efficient organic compound for corrosion inhibition of carbon steel (C38) in HCl solution. <i>Sustainable Chemistry and Pharmacy</i> , 2022, 27, 100677.	1.6	9
128	Synthesis, spectral, electrochemical, crystal structure studies of two novel di- μ -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
129	Dispersed synthesis of uniform Fe ₃ O ₄ magnetic nanoparticles via in situ decomposition of iron precursor along cotton fibre for Sudan dyes analysis in food samples. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2017, 34, 1853-1862.	1.1	8
130	Environmental Fate of Two Organophosphorus Insecticides in Soil Microcosms under Mediterranean Conditions and Their Effect on Soil Microbial Communities. <i>Soil and Sediment Contamination</i> , 2019, 28, 285-303.	1.1	8
131	Management of phytosanitary effluent: Rinsing and decontamination of empty pesticide containers by bio-detergent. <i>Crop Protection</i> , 2019, 116, 142-155.	1.0	8
132	Inhibitory effect of a new isoniazid derivative as an effective inhibitor for mild steel corrosion in 1.0M HCl: combined experimental and computational study. <i>Research on Chemical Intermediates</i> , 2020, 46, 2919-2950.	1.3	8
133	Computational Methods of Corrosion Inhibition Assessment. <i>ACS Symposium Series</i> , 0, , 87-109.	0.5	8
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