

Rachid Salghi

List of Publications by Citations

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168
papers

4,484
citations

35
h-index

59
g-index

176
ext. papers

5,259
ext. citations

3.4
avg, IF

5.88
L-index

#	Paper	IF	Citations
168	Electrochemical treatment of industrial wastewater. <i>Journal of Hazardous Materials</i> , 2004 , 113, 123-9	12.8	235
167	Corrosion control of carbon steel in phosphoric acid by purpald [Weight loss, electrochemical and XPS studies. <i>Corrosion Science</i> , 2012 , 64, 243-252	6.8	181
166	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	7.9	172
165	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	6	166
164	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	5.3	162
163	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	6	125
162	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	6	125
161	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	6	123
160	Some amino acids as corrosion inhibitors for copper in nitric acid solution. <i>Materials Letters</i> , 2008 , 62, 3325-3327	3.3	111
159	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	6.8	102
158	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	6.7	89
157	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	6.7	75
156	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	3.4	73
155	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	6.2	71
154	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	6	70
153	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	6	67
152	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	2.4	64

151	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	6	63
150	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	3.4	60
149	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	3.9	59
148	Detection of argan oil adulteration with vegetable oils by high-performance liquid chromatography-evaporative light scattering detection. <i>Food Chemistry</i> , 2014 , 153, 387-92	8.5	54
147	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	3.6	52
146	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	3.6	51
145	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	5.9	49
144	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, 1529-38	4.4	48
143	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	6.7	47
142	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	5.1	46
141	Triazolic compounds as corrosion inhibitors for copper in hydrochloric acid. <i>Pigment and Resin Technology</i> , 2007 , 36, 161-168	1	45
140	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	5.9	44
139	Bolaamphiphile-class surfactants as corrosion inhibitor model compounds against acid corrosion of mild steel. <i>Journal of Molecular Liquids</i> , 2020 , 309, 113070	6	42
138	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, 333-8	2.8	40
137	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	2.4	40
136	A study of tetrazoles derivatives as corrosion inhibitors of copper in nitric acid. <i>Pigment and Resin Technology</i> , 2006 , 35, 151-157	1	38
135	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	6	37
134	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	2.4	36

133	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	6.2	35
132	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	5.1	35
131	Preparation and characterization of biodegradable nanocomposites derived from carboxymethyl cellulose and hydroxyapatite. <i>Carbohydrate Polymers</i> , 2017 , 167, 59-69	10.3	34
130	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	6	34
129	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	6.8	33
128	Anti-corrosive properties of Argan oil on C38 steel in molar HCl solution. <i>Journal of Saudi Chemical Society</i> , 2014 , 18, 19-25	4.3	32
127	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	6	32
126	A novel approach to size separation of gold nanoparticles by capillary electrophoresis–vaporative light scattering detection. <i>RSC Advances</i> , 2015 , 5, 16672-16677	3.7	31
125	Electrochemical Oxidation of 2,4,6-Trinitrophenol on Boron-Doped Diamond Anodes. <i>Journal of the Electrochemical Society</i> , 2005 , 152, D113	3.9	30
124	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	2.3	30
123	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	6	30
122	Nanoparticle-based assay for the detection of virgin argan oil adulteration and its rapid quality evaluation. <i>Analytical and Bioanalytical Chemistry</i> , 2011 , 399, 2395-405	4.4	29
121	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> , 250-264	2.2	29
120	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	3.4	28
119	Thermodynamic properties of Thymus satureioides 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	4.7	28
118	Comparative study to determine the need for intraoperative colonic irrigation for primary anastomosis in left-sided colonic emergencies. <i>Colorectal Disease</i> , 2009 , 11, 648-52	2.1	28
117	Inhibition performances of spirocyclopropane derivatives for mild steel protection in HCl. <i>Materials Chemistry and Physics</i> , 2020 , 243, 122582	4.4	28
116	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	2	28

115	Evaluation of 2-Mercaptobenzimidazole Derivatives as Corrosion Inhibitors for Mild Steel in Hydrochloric Acid. <i>Metals</i> , 2020 , 10, 357	2.3	27
114	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	5.6	27
113	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	1.2	27
112	Corrosion inhibition of steel in sulfuric acidic solution by the Chenopodium Ambrosioides ExtractsPeer review under responsibility of University of Bahrain.View all notes. <i>Journal of the Association of Arab Universities for Basic and Applied Sciences</i> , 2014 , 16, 83-90		26
111	Inhibition de la corrosion du cuivre en milieu HCl 0,5 M par les composés organiques de type triazoleInhibition 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	2.1	26
110	Argan hulls extract: green inhibitor of mild steel corrosion in 1 M HCl solution. <i>Research on Chemical Intermediates</i> , 2012 , 38, 1707-1717	2.8	25
109	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	4.5	25
108	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	2	23
107	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	2.8	23
106	Synthesis, crystal structure, Hirshfeld surface analysis and DFT calculations of 2-[(2,3-dimethylphenyl)amino]-N[E-(E)-thiophen-2-ylmethylidene]benzohydrazide. <i>Journal of Molecular Structure</i> , 2020 , 1205, 127654	3.4	23
105	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	2.8	20
104	Inhibition of corrosion of copper in nitric acid solution by four amino acids. <i>Research on Chemical Intermediates</i> , 2014 , 40, 991-1002	2.8	20
103	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	2.1	20
102	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	6	19
101	Inhibition of acid corrosion of mild steel by Anacyclus pyrethrum L. extracts. <i>Research on Chemical Intermediates</i> , 2014 , 40, 259-268	2.8	19
100	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	3.7	17
99	Inhibition of corrosion of mild steel in 1 M HCl by the essential oil or solvent extracts of <i>Ptychotis verticillata</i> . <i>Research on Chemical Intermediates</i> , 2015 , 41, 935-946	2.8	17
98	Investigation of inhibition by 6-bromo-3-nitroso-2-phenylimidazol[1,2-b]pyridine of the corrosion of C38 steel in 1 M HCl. <i>Research on Chemical Intermediates</i> , 2015 , 41, 913-925	2.8	17

97	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	2.8	17
96	Pesticide residues in tomatoes from greenhouses in Souss Massa Valley, Morocco. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2012 , 88, 358-61	2.7	16
95	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	2.8	16
94	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	2.8	16
93	Effect of the heat treatment on the corrosion behaviour of amorphous Fe ₇₀ Cr ₁₀ Si alloy in 0.5M H ₂ SO ₄ . <i>Applied Surface Science</i> , 2006 , 252, 7921-7925	6.7	16
92	Inhibition of C-steel Corrosion by Green Tea Extract in Hydrochloric Solution. <i>International Journal of Electrochemical Science</i> , 3283-3295	2.2	16
91	Nanostructured hybrid surface enhancement Raman scattering substrate for the rapid determination of sulfapyridine in milk samples. <i>Talanta</i> , 2019 , 194, 357-362	6.2	16
90	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	2.8	15
89	The heterogeneous photo-oxidation of difenoconazole in the atmosphere. <i>Atmospheric Environment</i> , 2011 , 45, 5997-6003	5.3	15
88	Comparative study of the effect of inorganic ions on the corrosion of Al 3003 and 6063 in carbonate solution. <i>Progress in Organic Coatings</i> , 2004 , 51, 113-117	4.8	15
87	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	6	15
86	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	2.8	14
85	Corrosion Inhibition of Mild Steel in 1.0 M HCl by two Hydrazone Derivatives. <i>International Journal of Electrochemical Science</i> , 2019 , 6667-6681	2.2	13
84	Capillary electrophoresis coupled to evaporative light scattering detection for direct determination of underivatized amino acids: application to tea samples using carboxyated single-walled carbon nanotubes for sample preparation. <i>Electrophoresis</i> , 2013 , 34, 2623-31	3.6	13
83	Inhibition de la corrosion de l'alliage d'aluminium 6063 au moyen de composés inorganiques dans une solution de chlorure de sodium 3%. <i>Canadian Journal of Chemistry</i> , 2002 , 80, 106-112	0.9	13
82	Ziziphus lotus as Green Inhibitor of Copper Corrosion in Natural Sea Water. <i>Portugaliae Electrochimica Acta</i> , 2017 , 35, 187-200	2.4	13
81	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	2.4	13
80	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	5.1	13

79	Graphene quantum dots for enhancement of fluorimetric detection coupled to capillary electrophoresis for detection of ofloxacin. <i>Electrophoresis</i> , 2019 , 40, 2336-2341	3.6	12
78	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	1.5	12
77	Inhibition of carbon steel corrosion in 1 M HCl medium by potassium thiocyanatePeer review under responsibility of University of Bahrain.View all notes. <i>Journal of the Association of Arab Universities for Basic and Applied Sciences</i> , 2014 , 15, 21-27		12
76	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	6	11
75	Gas-phase UV absorption spectra of pyrazine, pyrimidine and pyridazine. <i>Chemical Physics Letters</i> , 2020 , 751, 137469	2.5	10
74	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. <i>Journal of Bio- and Tribo-Corrosion</i> , 2018 , 4, 1	2.9	10
73	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	2.8	10
72	Inhibitive Action of Argan Press Cake Extract on the Corrosion of Steel in Acidic Media. <i>Portugaliae Electrochimica Acta</i> , 2012 , 30, 267-279	2.4	10
71	Antioxidant activity and effect of quince pulp extract on the corrosion of C-steel in 1M HCl. <i>Research on Chemical Intermediates</i> , 2015 , 41, 7463-7480	2.8	9
70	Adsorption and inhibition effect of 5-phenyl-1,2,4-triazole-3-thione on C38 steel corrosion in 1 M HCl. <i>Research on Chemical Intermediates</i> , 2015 , 41, 4617-4634	2.8	9
69	Inhibition of Mild Steel Corrosion in 1M Hydrochloric Medium by the Methanolic Extract of Ammi visnaga L. Lam Seeds. <i>International Journal of Corrosion</i> , 2020 , 2020, 1-10	2	9
68	Design and adaptation of an interface for commercial capillary electrophoresis-evaporative light scattering detection coupling. <i>Analytical Chemistry</i> , 2013 , 85, 4858-62	7.8	9
67	Atmospheric degradation of pyridine: UV absorption spectrum and reaction with OH radicals and O3. <i>Chemical Physics Letters</i> , 2016 , 662, 141-145	2.5	9
66	A comparative study of electrochemical oxidation of methidation organophosphorous pesticide on SnO2 and boron-doped diamond anodes. <i>Chemistry Central Journal</i> , 2015 , 9, 59		8
65	Carob seed oil: an efficient inhibitor of C38 steel corrosion in hydrochloric acid. <i>International Journal of Industrial Chemistry</i> , 2012 , 3, 25	3.1	8
64	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	2.2	8
63	New Benzohydrazide Derivative as Corrosion Inhibitor for Carbon Steel in a 1.0 M HCl Solution: Electrochemical, DFT and Monte Carlo Simulation Studies. <i>Portugaliae Electrochimica Acta</i> , 2019 , 37, 147-165	2.4	8
62	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	5.1	8

61	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	2.8	7
60	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	2.9	7
59	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	2.8	7
58	Effet de l'addition de composés inorganiques sur le comportement à la corrosion de l'alliage d'aluminium 3003 en milieu bicarbonate. <i>Annales De Chimie: Science Des Matériaux</i> , 2000 , 25, 593-600	2.1	7
57	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	2.4	7
56	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	5.6	7
55	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	2.9	7
54	Antifungal effectiveness of fungicide and peroxyacetic acid mixture on the growth of <i>Botrytis cinerea</i> . <i>Microbial Pathogenesis</i> , 2017 , 105, 74-80	3.8	6
53	Synthesis, spectral, electrochemical, crystal structure studies of two novel di-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	3.4	6
52	Synthesis, crystal structure, hirshfeld surface analysis, DFT computations and molecular dynamics study of 2-(benzyloxy)-3-phenylquinoxaline. <i>Journal of Molecular Structure</i> , 2020 , 1221, 128727	3.4	6
51	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	2.8	6
50	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	3.2	6
49	Pesticide residue levels in green beans cultivated in Souss Masa valley (Morocco) after multiple applications of bifenthrin and Ecyhalothrin. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2012 , 89, 638-43	2.7	6
48	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	2.4	6
47	Electrochemical DFT and MD Simulation Study of Substituted Imidazoles as Novel Corrosion Inhibitors for Mild Steel. <i>Portugaliae Electrochimica Acta</i> , 2019 , 37, 217-239	2.4	6
46	Adsorption mechanism of 3-(1,4-disubstituted-1,2,3-triazolyl) uridine nucleosides against the corrosion of mild steel in HCl. <i>Materials Chemistry and Physics</i> , 2021 , 268, 124742	4.4	6
45	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	1.2	5
44	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	3.2	5

43	Capillary electrophoresis method for the discrimination between natural and artificial vanilla flavor for controlling food frauds. <i>Electrophoresis</i> , 2018 , 39, 1628-1633	3.6	5
42	Enantioselective discrimination of menthone enantiomers by using achiral liquid chromatography with circular dichroism detection and penicillamine-coated gold nanoparticles. <i>Microchemical Journal</i> , 2016 , 124, 736-742	4.8	5
41	Naproxen-Based Hydrazones as Effective Corrosion Inhibitors for Mild Steel in 1.0 M HCl. <i>Coatings</i> , 2020 , 10, 700	2.9	5
40	Chemical Composition and Green Anticorrosive Potential of Thymus broussonnetii Boiss subsp. broussonnetii Essential Oils in Hydrochloric Acid Medium. <i>Journal of Bio- and Tribo-Corrosion</i> , 2019 , 5, 1	2.9	5
39	Management of phytosanitary effluent: Rinsing and decontamination of empty pesticide containers by bio-detergent. <i>Crop Protection</i> , 2019 , 116, 142-155	2.7	5
38	In field control of Botrytis cinerea by synergistic action of a fungicide and organic sanitizer. <i>Journal of Integrative Agriculture</i> , 2018 , 17, 1401-1408	3.2	5
37	Investigation of the Corrosion Inhibition Behavior of C38 Steel in Hydrochloric Acid Solution by 2-Hydroxy-1-(2-hydroxy-4-sulfo-1-naphthylazo)-3-naphthoic Acid. <i>Transactions of the Indian Institute of Metals</i> , 2015 , 68, 521-527	1.2	4
36	Inhibitory effect of a new isoniazid derivative as an effective inhibitor for mild steel corrosion in 1.0 M HCl: combined experimental and computational study. <i>Research on Chemical Intermediates</i> , 2020 , 46, 2919-2950	2.8	4
35	Fluorescence Determination of L-Cysteine in Wound Dressings by Fluorescein Coated Gold Nanoparticles. <i>Analytical Letters</i> , 2016 , 49, 1221-1232	2.2	4
34	Crystal structure of (1E,1'E)-N,N'-(ethane-1,2-di-yl)bis-[(pyridin-2-yl)methanimine]. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2015 , 71, o431	0.7	4
33	Use of molecular and in silico bioinformatic tools to investigate pesticide binding to insect (Lepidoptera) phenoloxidases (PO): insights to toxicological aspects. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2014 , 49, 654-60	2.2	4
32	Behaviour of Brasses Corrosion in Nitric Acid with and without PMT. <i>Portugaliae Electrochimica Acta</i> , 2007 , 25, 471-480	2.4	4
31	Surface Polymers on Multiwalled Carbon Nanotubes for Selective Extraction and Electrochemical Determination of Rhodamine B in Food Samples. <i>Molecules</i> , 2021 , 26,	4.8	4
30	Atmospheric degradation of 2- nitrobenzaldehyde: Photolysis and reaction with OH radicals. <i>Atmospheric Environment</i> , 2017 , 171, 221-228	5.3	3
29	Gas-phase UV absorption spectra and OH-oxidation kinetics of 1-1,2,3-triazole and pyrazole.. <i>RSC Advances</i> , 2019 , 9, 27361-27368	3.7	3
28	Corrosion inhibition of carbon steel in hydrochloric acid solution using pomegranate leave extracts. <i>Corrosion Engineering Science and Technology</i> , 2016 , 1-9	1.7	3
27	Pesticide residue levels in peppers cultivated in Souss Masa valley (Morocco) after multiple applications of azoxystrobin and chlorothalonil. <i>International Journal of Environmental Analytical Chemistry</i> , 2013 , 93, 499-510	1.8	3
26	Corrosion inhibition of 70Cu-30Zn alloy in 0,5 M HNO ₃ by 3-amino-1,2,4-triazole. <i>European Physical Journal Special Topics</i> , 2005 , 123, 307-311		3

25	Characterization of corrosion products formed on carbon steel in hydrochloric acid medium by 4-(dimethylamino)-1-(6-methoxy-6-oxohexyl)pyridinium bromide. <i>International Journal of Corrosion and Scale Inhibition</i> , 2016 , 5, 209-231	2.2	3
24	Corrosion inhibition of mild steel by Fennel seeds (<i>Foeniculum vulgare</i> Mill) essential oil in 1 M hydrochloric acid solution. <i>International Journal of Corrosion and Scale Inhibition</i> , 2019 , 8,	2.2	3
23	6-phenylpyridazin-3(2H)one as New Corrosion Inhibitor for C38 Steel in 1 M HCl. <i>International Journal of Electrochemical Science</i> , 3309-3322	2.2	3
22	Comparison of Pyridazinium Electro-oxidation on Boron-doped Diamond (BDD) and SnO ₂ in a Basic Medium. <i>Portugaliae Electrochimica Acta</i> , 2015 , 33, 13-21	2.4	3
21	Synthesis, Characterization and Corrosion Protection Properties of Imidazole Derivatives on Mild Steel in 1.0 M HCl. <i>Portugaliae Electrochimica Acta</i> , 2016 , 34, 213-229	2.4	3
20	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	3.4	2
19	Análise da confiabilidade do teste clássico de queda do navicular. <i>Fisioterapia Em Movimento</i> , 2012 , 25, 301-309	0.8	2
18	Effect of the addition of oxo-anions on the corrosion and passivation of tin in synthetic industrial water. <i>Applied Surface Science</i> , 2006 , 253, 555-560	6.7	2
17	Comparative study of corrosion resistance for 6063 and 3003 aluminium alloys in chloride medium. <i>Revue De Metallurgie</i> , 2003 , 100, 1227-1235		2
16	The inhibition effect of inorganic compounds on the corrosion of the 3003 aluminium alloy in the presence of sodium chloride. <i>Revue De Metallurgie</i> , 2002 , 99, 189-197		2
15	Corrosion et passivation de l'Étain dans un milieu simulé une eau industrielle. <i>Canadian Journal of Chemistry</i> , 2003 , 81, 297-306	0.9	2
14	<i>Argania spinosa</i> (L.) as a source of new and efficient green corrosion inhibitor for copper in acidic medium: a comparative study of three green compounds. <i>International Journal of Corrosion and Scale Inhibition</i> , 2016 , 5, 159-171	2.2	2
13	Experimental and Theoretical Studies of the Corrosion Inhibition of 4-amino-2-(4-chlorophenyl)-8-(2,3-dimethoxyphenyl)-6-oxo-2,6-dihydropyrimido [2,1-b][1,3]thiazine-3,7-dicarbonitrile on Carbon Steel in a 1.0 M HCl Solution. <i>Portugaliae Electrochimica Acta</i> , 2018 , 36, 35-52	2.4	2
12	Mild Steel Corrosion Inhibition by Furocoumarin Derivatives in Acidic Media. <i>International Journal of Electrochemical Science</i> , 2019 , 6699-6721	2.2	2
11	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	6	2
10	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	3.9	2
9	New routes to prepare superabsorbent polymers free of acrylate cross-linker. <i>Iranian Polymer Journal (English Edition)</i> , 2015 , 24, 849-859	2.3	1
8	Corrosion Inhibition Properties of Thiazolidinedione Derivatives for Copper in 3.5 wt.% NaCl Medium. <i>Metals</i> , 2021 , 11, 1861	2.3	0

- 7 Computational Methods of Corrosion Inhibition Assessment. *ACS Symposium Series*, 87-109 0.4 0
- 6 Characterisation by electrochemical impedance spectroscopy of a pet membrane electrode based on zeolithe. *Research on Chemical Intermediates*, **2015**, 41, 3261-3273 2.8
- 5 Chemical Medicines as Corrosion Inhibitors **2021**, 287-314
- 4 Computational Methods of Corrosion Monitoring **2021**, 39-57
- 3 Gas-phase OH oxidation kinetics of pyrazine, pyrimidine, and pyridazine. *International Journal of Chemical Kinetics*, **2021**, 53, 834-844 1.4
- 2 Eutectic Morphology in Alloy Pb [B.2% Cd [D.08% Sr for Battery Grids. *Metal Science and Heat Treatment*, **2018**, 60, 407-410 0.6
- 1 Pharmaceutical drugs as corrosion inhibitors I **2022**, 195-210