

Eno E Ebenso

List of Publications by Citations

Source: <https://exaly.com/author-pdf/2591776/eno-e-ebenso-publications-by-citations.pdf>

Version: 2024-04-19

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

340
papers

13,369
citations

64
h-index

98
g-index

359
ext. papers

15,961
ext. citations

4
avg, IF

7.27
L-index

#	Paper	IF	Citations
340	Inhibitory action of Phyllanthus amarus extracts on the corrosion of mild steel in acidic media. <i>Corrosion Science</i> , 2008 , 50, 2310-2317	6.8	324
339	Adsorption Behavior of Glucosamine-Based, Pyrimidine-Fused Heterocycles as Green Corrosion Inhibitors for Mild Steel: Experimental and Theoretical Studies. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 11598-11611	3.8	313
338	Some Quinoxalin-6-yl Derivatives as Corrosion Inhibitors for Mild Steel in Hydrochloric Acid: Experimental and Theoretical Studies. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 16004-16019	3.8	301
337	Ionic liquids as green and sustainable corrosion inhibitors for metals and alloys: An overview. <i>Journal of Molecular Liquids</i> , 2017 , 233, 403-414	6	294
336	Quantum chemical studies on the corrosion inhibition of some sulphonamides on mild steel in acidic medium. <i>Corrosion Science</i> , 2009 , 51, 35-47	6.8	254
335	Electrochemical, Theoretical, and Surface Morphological Studies of Corrosion Inhibition Effect of Green Naphthyridine Derivatives on Mild Steel in Hydrochloric Acid. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 3408-3419	3.8	214
334	Organic corrosion inhibitors for industrial cleaning of ferrous and non-ferrous metals in acidic solutions: A review. <i>Journal of Molecular Liquids</i> , 2018 , 256, 565-573	6	210
333	Inhibition of mild steel corrosion in acidic medium using synthetic and naturally occurring polymers and synergistic halide additives. <i>Corrosion Science</i> , 2008 , 50, 1998-2006	6.8	209
332	An overview on plant extracts as environmental sustainable and green corrosion inhibitors for metals and alloys in aggressive corrosive media. <i>Journal of Molecular Liquids</i> , 2018 , 266, 577-590	6	200
331	Experimental, quantum chemical and Monte Carlo simulation studies on the corrosion inhibition of some alkyl imidazolium ionic liquids containing tetrafluoroborate anion on mild steel in acidic medium. <i>Journal of Molecular Liquids</i> , 2015 , 211, 105-118	6	175
330	Substituents effect on corrosion inhibition performance of organic compounds in aggressive ionic solutions: A review. <i>Journal of Molecular Liquids</i> , 2018 , 251, 100-118	6	173
329	Evaluation of the inhibitory effect of methylene blue dye on the corrosion of aluminium in hydrochloric acid. <i>Materials Chemistry and Physics</i> , 2004 , 87, 394-401	4.4	162
328	Synergistic effect of halide ions on the corrosion inhibition of aluminium in H ₂ SO ₄ using 2-acetylphenothiazine. <i>Materials Chemistry and Physics</i> , 2003 , 79, 58-70	4.4	154
327	Adsorption and quantum chemical studies on the inhibition potentials of some thiosemicarbazides for the corrosion of mild steel in acidic medium. <i>International Journal of Molecular Sciences</i> , 2010 , 11, 2473-98	6.3	148
326	Molecular dynamics and Monte Carlo simulations as powerful tools for study of interfacial adsorption behavior of corrosion inhibitors in aqueous phase: A review. <i>Journal of Molecular Liquids</i> , 2018 , 260, 99-120	6	146
325	Gum arabic as a potential corrosion inhibitor for aluminium in alkaline medium and its adsorption characteristics. <i>Anti-Corrosion Methods and Materials</i> , 2006 , 53, 277-282	0.8	138
324	Experimental and Quantum Chemical Studies of Some Bis(trifluoromethyl-sulfonyl) Imide Imidazolium-Based Ionic Liquids as Corrosion Inhibitors for Mild Steel in Hydrochloric Acid Solution. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 13282-13299	3.9	136

323	5-(Phenylthio)-3H-pyrrole-4-carbonitriles as effective corrosion inhibitors for mild steel in 1 M HCl: Experimental and theoretical investigation. <i>Journal of Molecular Liquids</i> , 2015 , 212, 209-218	6	134
322	Metronidazole as environmentally safe corrosion inhibitor for mild steel in 0.5 M HCl: Experimental and theoretical investigation. <i>Journal of Environmental Chemical Engineering</i> , 2013 , 1, 431-439	6.8	131
321	Experimental, quantum chemical and Monte Carlo simulation studies of 3,5-disubstituted-4-amino-1,2,4-triazoles as corrosion inhibitors on mild steel in acidic medium. <i>Journal of Molecular Liquids</i> , 2016 , 218, 281-293	6	124
320	The synergistic effect of polyacrylamide and iodide ions on the corrosion inhibition of mild steel in H ₂ SO ₄ . <i>Materials Chemistry and Physics</i> , 2007 , 106, 387-393	4.4	121
319	Effect of molecular structure on the efficiency of amides and thiosemicarbazones used for corrosion inhibition of mild steel in hydrochloric acid. <i>Materials Chemistry and Physics</i> , 1999 , 60, 79-90	4.4	121
318	L-Proline-promoted synthesis of 2-amino-4-arylquinoline-3-carbonitriles as sustainable corrosion inhibitors for mild steel in 1 M HCl: experimental and computational studies. <i>RSC Advances</i> , 2015 , 5, 85417-85430	3.7	120
317	2,4-Diamino-5-(phenylthio)-5H-chromeno [2,3-b] pyridine-3-carbonitriles as green and effective corrosion inhibitors: gravimetric, electrochemical, surface morphology and theoretical studies. <i>RSC Advances</i> , 2016 , 6, 53933-53948	3.7	116
316	New pyrimidine derivatives as efficient organic inhibitors on mild steel corrosion in acidic medium: Electrochemical, SEM, EDX, AFM and DFT studies. <i>Journal of Molecular Liquids</i> , 2015 , 211, 135-145	6	113
315	Electrochemical and Quantum Chemical Investigation of Some Azine and Thiazine Dyes as Potential Corrosion Inhibitors for Mild Steel in Hydrochloric Acid Solution. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 12940-12958	3.9	113
314	Quantum chemical studies of some rhodanine azosulpha drugs as corrosion inhibitors for mild steel in acidic medium. <i>International Journal of Quantum Chemistry</i> , 2010 , 110, 1003-1018	2.1	113
313	Theoretical studies of some sulphonamides as corrosion inhibitors for mild steel in acidic medium. <i>International Journal of Quantum Chemistry</i> , 2010 , 110, 2614-2636	2.1	111
312	5-Arylpyrimido-[4,5-b]quinoline-diones as new and sustainable corrosion inhibitors for mild steel in 1 M HCl: a combined experimental and theoretical approach. <i>RSC Advances</i> , 2016 , 6, 15639-15654	3.7	108
311	Choline based ionic liquids as sustainable corrosion inhibitors on mild steel surface in acidic medium: Gravimetric, electrochemical, surface morphology, DFT and Monte Carlo simulation studies. <i>Applied Surface Science</i> , 2018 , 457, 134-149	6.7	107
310	Corrosion inhibition of mild steel in 1M HCl by D-glucose derivatives of dihydropyrido [2,3-d:6,5-d'] dipyrimidine-2, 4, 6, 8(1H,3H, 5H,7H)-tetraone. <i>Scientific Reports</i> , 2017 , 7, 44432	4.9	103
309	Corrosion inhibition performance of newly synthesized 5-alkoxymethyl-8-hydroxyquinoline derivatives for carbon steel in 1 M HCl solution: experimental, DFT and Monte Carlo simulation studies. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 20167-20187	3.6	102
308	The Inhibition of aluminium corrosion in hydrochloric acid solution by exudate gum from <i>Raphia hookeri</i> . <i>Desalination</i> , 2009 , 247, 561-572	10.3	101
307	Adsorption and corrosion inhibition properties of N-{n-[1-R-5-(quinoxalin-6-yl)-4,5-dihydropyrazol-3-yl]phenyl}methanesulfonamides on mild steel in 1 M HCl: experimental and theoretical studies. <i>RSC Advances</i> , 2016 , 6, 86782-86797	3.7	98
306	3-Amino alkylated indoles as corrosion inhibitors for mild steel in 1M HCl: Experimental and theoretical studies. <i>Journal of Molecular Liquids</i> , 2016 , 219, 647-660	6	95

305	Aqueous phase environmental friendly organic corrosion inhibitors derived from one step multicomponent reactions: A review. <i>Journal of Molecular Liquids</i> , 2019 , 275, 18-40	6	94
304	Experimental and theoretical studies on some selected ionic liquids with different cations/anions as corrosion inhibitors for mild steel in acidic medium. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016 , 64, 252-268	5.3	93
303	Quinoxaline derivatives as corrosion inhibitors for mild steel in hydrochloric acid medium: Electrochemical and quantum chemical studies. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2016 , 76, 109-126	3	90
302	Eco-friendly corrosion inhibitors: the inhibitive action of Delonix Regia extract for the corrosion of aluminium in acidic media. <i>Anti-Corrosion Methods and Materials</i> , 2007 , 54, 219-224	0.8	90
301	Corrosion inhibitors for ferrous and non-ferrous metals and alloys in ionic sodium chloride solutions: A review. <i>Journal of Molecular Liquids</i> , 2017 , 248, 927-942	6	86
300	Aryl sulfonamidomethylphosphonates as new class of green corrosion inhibitors for mild steel in 1M HCl: Electrochemical, surface and quantum chemical investigation. <i>Journal of Molecular Liquids</i> , 2015 , 209, 306-319	6	84
299	Experimental and computational studies on propanone derivatives of quinoxalin-6-yl-4,5-dihydropyrazole as inhibitors of mild steel corrosion in hydrochloric acid. <i>Journal of Colloid and Interface Science</i> , 2020 , 561, 104-116	9.3	84
298	Electrochemical, thermodynamic, surface and theoretical investigation of 2-aminobenzene-1,3-dicarbonitriles as green corrosion inhibitor for aluminum in 0.5M NaOH. <i>Journal of Molecular Liquids</i> , 2015 , 209, 767-778	6	79
297	Electrochemical sensor for the detection of dopamine in real samples using polyaniline/NiO, ZnO, and Fe ₃ O ₄ nanocomposites on glassy carbon electrode. <i>Journal of Electroanalytical Chemistry</i> , 2018 , 818, 236-249	4.1	78
296	Eco-friendly corrosion inhibitors: inhibitive action of ethanol extracts of Garcinia kola for the corrosion of mild steel in H ₂ SO ₄ solutions. <i>Pigment and Resin Technology</i> , 2007 , 36, 299-305	1	78
295	Inhibitive action of Carica papaya extracts on the corrosion of mild steel in acidic media and their adsorption characteristics. <i>Pigment and Resin Technology</i> , 2007 , 36, 134-140	1	78
294	Corrosion inhibition of mild steel in acidic media by some organic dyes. <i>Materials Letters</i> , 2005 , 59, 2163-2165	3.165	78
293	Experimental and theoretical studies on the corrosion inhibition of mild steel by some sulphonamides in aqueous HCl. <i>RSC Advances</i> , 2015 , 5, 28743-28761	3.7	77
292	Synthesis, characterization and corrosion inhibition studies of N-phenyl-benzamides on the acidic corrosion of mild steel: Experimental and computational studies. <i>Journal of Molecular Liquids</i> , 2018 , 251, 317-332	6	77
291	Ginkgo biloba fruit extract as an eco-friendly corrosion inhibitor for J55 steel in CO ₂ saturated 3.5% NaCl solution. <i>Journal of Industrial and Engineering Chemistry</i> , 2015 , 24, 219-228	6.3	74
290	Zinc Oxide Nanocomposites of Selected Polymers: Synthesis, Characterization, and Corrosion Inhibition Studies on Mild Steel in HCl Solution. <i>ACS Omega</i> , 2017 , 2, 8421-8437	3.9	74
289	Water-soluble polymers as corrosion inhibitors. <i>Pigment and Resin Technology</i> , 2006 , 35, 346-352	1	74
288	Anticorrosion performance of three newly synthesized isatin derivatives on carbon steel in hydrochloric acid pickling environment: Electrochemical, surface and theoretical studies. <i>Journal of Molecular Liquids</i> , 2017 , 246, 302-316	6	73

287	Adsorption, synergistic inhibitive effect and quantum chemical studies of ampicillin (AMP) and halides for the corrosion of mild steel in H ₂ SO ₄ . <i>Journal of Applied Electrochemistry</i> , 2010 , 40, 445-456	2.6	73
286	Electrocatalytic oxidation of Epinephrine and Norepinephrine at metal oxide doped phthalocyanine/MWCNT composite sensor. <i>Scientific Reports</i> , 2016 , 6, 26938	4.9	72
285	Adsorption, Thermodynamic and Quantum Chemical Studies of 1-hexyl-3-methylimidazolium Based Ionic Liquids as Corrosion Inhibitors for Mild Steel in HCl. <i>Materials</i> , 2015 , 8, 3607-3632	3.5	72
284	Leaves extract of Ananas sativum as green corrosion inhibitor for aluminium in hydrochloric acid solutions. <i>Green Chemistry Letters and Reviews</i> , 2010 , 3, 61-68	4.7	72
283	Adsorption and Corrosion Inhibition Studies of Some Selected Dyes as Corrosion Inhibitors for Mild Steel in Acidic Medium: Gravimetric, Electrochemical, Quantum Chemical Studies and Synergistic Effect with Iodide Ions. <i>Molecules</i> , 2015 , 20, 16004-29	4.8	71
282	Corrosion Inhibition and Adsorption Properties of Methocarbamol on Mild Steel in Acidic Medium. <i>Portugaliae Electrochimica Acta</i> , 2009 , 27, 13-22	2.4	70
281	Experimental, quantum chemical calculations, and molecular dynamic simulations insight into the corrosion inhibition properties of 2-(6-methylpyridin-2-yl)oxazolo[5,4-f][1,10]phenanthroline on mild steel. <i>Research on Chemical Intermediates</i> , 2013 , 39, 1927-1948	2.8	68
280	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	6.8	67
279	8-Hydroxyquinoline based chitosan derived carbohydrate polymer as biodegradable and sustainable acid corrosion inhibitor for mild steel: Experimental and computational analyses. <i>International Journal of Biological Macromolecules</i> , 2020 , 155, 645-655	7.9	67
278	Sulfur and phosphorus heteroatom-containing compounds as corrosion inhibitors: An overview. <i>Heteroatom Chemistry</i> , 2018 , 29, e21437	1.2	65
277	Inhibitory action of methyl and phenyl thiosemicarbazone derivatives on the corrosion of mild steel in hydrochloric acid. <i>Materials Chemistry and Physics</i> , 1995 , 40, 87-93	4.4	64
276	Experimental and theoretical investigation of the inhibitory effect of new pyridazine derivatives for the corrosion of mild steel in 1 M HCl. <i>Journal of Molecular Structure</i> , 2017 , 1136, 127-139	3.4	63
275	Studies of the anti-corrosive effect of Raphia hookeri exudate gum-halide mixtures for aluminium corrosion in acidic medium. <i>Pigment and Resin Technology</i> , 2008 , 37, 173-182	1	63
274	Hybrid nanocomposite from aniline and CeO ₂ nanoparticles: Surface protective performance on mild steel in acidic environment. <i>Applied Surface Science</i> , 2015 , 330, 207-215	6.7	62
273	Corrosion inhibition and adsorption behaviour of Ocimum basilicum extract on aluminium. <i>Pigment and Resin Technology</i> , 2006 , 35, 63-70	1	62
272	Polyethylene glycol and polyvinyl alcohol as corrosion inhibitors for aluminium in acidic medium. <i>Journal of Applied Polymer Science</i> , 2007 , 105, 3363-3370	2.9	61
271	Phthalocyanine Doped Metal Oxide Nanoparticles on Multiwalled Carbon Nanotubes Platform for the detection of Dopamine. <i>Scientific Reports</i> , 2017 , 7, 43181	4.9	60
270	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

269	Computational simulation and statistical analysis on the relationship between corrosion inhibition efficiency and molecular structure of some hydrazine derivatives in phosphoric acid on mild steel surface. <i>Applied Surface Science</i> , 2019 , 491, 707-722	6.7	58
268	Epoxy resins as anticorrosive polymeric materials: A review. <i>Reactive and Functional Polymers</i> , 2020 , 156, 104741	4.6	58
267	Green synthesis of ZnO nanoparticles using aqueous Brassica oleracea L. var. italica and the photocatalytic activity. <i>Green Chemistry Letters and Reviews</i> , 2019 , 12, 444-457	4.7	58
266	Effect of halide ions on the corrosion inhibition of aluminium in alkaline medium using polyvinyl alcohol. <i>Journal of Applied Polymer Science</i> , 2007 , 103, 2810-2816	2.9	57
265	Gravimetric, Electrochemical, Surface Morphology, DFT, and Monte Carlo Simulation Studies on Three N-Substituted 2-Aminopyridine Derivatives as Corrosion Inhibitors of Mild Steel in Acidic Medium. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 11870-11882	3.8	56
264	Experimental, density functional theory and molecular dynamics supported adsorption behavior of environmental benign imidazolium based ionic liquids on mild steel surface in acidic medium. <i>Journal of Molecular Liquids</i> , 2019 , 273, 1-15	6	56
263	Adsorption characteristics of Iota-carrageenan and Inulin biopolymers as potential corrosion inhibitors at mild steel/sulphuric acid interface. <i>Journal of Molecular Liquids</i> , 2017 , 232, 9-19	6	55
262	Epoxy pre-polymers as new and effective materials for corrosion inhibition of carbon steel in acidic medium: Computational and experimental studies. <i>Scientific Reports</i> , 2019 , 9, 11715	4.9	55
261	Density and speed of sound measurements of imidazolium-based ionic liquids with acetonitrile at various temperatures. <i>Journal of Molecular Liquids</i> , 2014 , 200, 160-167	6	55
260	Silver Nanoparticles Mediated by Costus afer Leaf Extract: Synthesis, Antibacterial, Antioxidant and Electrochemical Properties. <i>Molecules</i> , 2017 , 22,	4.8	55
259	Corrosion Inhibition of Aluminium Using Exudate Gum from Pachylobus edulis in the Presence of Halide Ions in HCl. <i>E-Journal of Chemistry</i> , 2008 , 5, 355-364		55
258	Corrosion mitigation of J55 steel in 3.5% NaCl solution by a macrocyclic inhibitor. <i>Applied Surface Science</i> , 2015 , 356, 341-347	6.7	54
257	Antimicrobial and Wound Healing Properties of Polyacrylonitrile-Moringa Extract Nanofibers. <i>ACS Omega</i> , 2018 , 3, 4791-4797	3.9	54
256	Corrosion Inhibition of Carbon Steel in HCl Solution by Some Plant Extracts. <i>International Journal of Corrosion</i> , 2012 , 2012, 1-20	2	54
255	Electrochemical determination of serotonin in urine samples based on metal oxide nanoparticles/MWCNT on modified glassy carbon electrode. <i>Sensing and Bio-Sensing Research</i> , 2017 , 13, 17-27	3.3	53
254	Electrochemical, thermodynamic and quantum chemical studies of synthesized benzimidazole derivatives as corrosion inhibitors for N80 steel in hydrochloric acid. <i>Journal of Molecular Liquids</i> , 2016 , 213, 122-138	6	53
253	Experimental and quantum chemical studies of functionalized tetrahydropyridines as corrosion inhibitors for mild steel in 1 M hydrochloric acid. <i>Results in Physics</i> , 2018 , 9, 1481-1493	3.7	53
252	Microwave and ultrasound irradiations for the synthesis of environmentally sustainable corrosion inhibitors: An overview. <i>Sustainable Chemistry and Pharmacy</i> , 2018 , 10, 134-147	3.9	53

251	Investigation of the adsorption characteristics of some selected sulphonamide derivatives as corrosion inhibitors at mild steel/hydrochloric acid interface: Experimental, quantum chemical and QSAR studies. <i>Journal of Molecular Liquids</i> , 2016 , 215, 763-779	6	52
250	Porphyrins as Corrosion Inhibitors for N80 Steel in 3.5% NaCl Solution: Electrochemical, Quantum Chemical, QSAR and Monte Carlo Simulations Studies. <i>Molecules</i> , 2015 , 20, 15122-46	4.8	52
249	Electrochemical detection of Epinephrine using Polyaniline nanocomposite films doped with TiO ₂ and RuO ₂ Nanoparticles on Multi-walled Carbon Nanotube. <i>Electrochimica Acta</i> , 2017 , 243, 331-348	6.7	51
248	Experimental, quantum chemical and molecular dynamic simulations studies on the corrosion inhibition of mild steel by some carbazole derivatives. <i>Scientific Reports</i> , 2017 , 7, 2436	4.9	51
247	An Exploration about the Interaction of Mild Steel with Hydrochloric Acid in the Presence of N-(Benzo[d]thiazole-2-yl)-1-phenylethan-1-imines. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 22897-22917	3.8	51
246	DGEBA-polyaminoamide as effective anti-corrosive material for 15CDV6 steel in NaCl medium: Computational and experimental studies. <i>Journal of Applied Polymer Science</i> , 2020 , 137, 48402	2.9	51
245	Quantum chemical study of the inhibition of the corrosion of mild steel in H ₂ SO ₄ by some antibiotics. <i>Journal of Molecular Modeling</i> , 2009 , 15, 1085-92	2	50
244	Synthesis and application of new acetohydrazide derivatives as a corrosion inhibition of mild steel in acidic medium: Insight from electrochemical and theoretical studies. <i>Journal of Molecular Liquids</i> , 2015 , 208, 322-332	6	49
243	Experimental and quantum chemical studies of synthesized triazine derivatives as an efficient corrosion inhibitor for N80 steel in acidic medium. <i>Journal of Molecular Liquids</i> , 2015 , 212, 151-167	6	49
242	Investigation of adsorption characteristics of N,N'-[(methylimino)dimethylidene]di-2,4-xylylidine as corrosion inhibitor at mild steel/sulphuric acid interface. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2012 , 43, 463-472	5.3	49
241	A Green and Sustainable Approach for Mild Steel Acidic Corrosion Inhibition Using Leaves Extract: Experimental and DFT Studies. <i>Journal of Bio- and Tribo-Corrosion</i> , 2018 , 4, 1	2.9	48
240	Effect of halide ions on the corrosion inhibition of mild steel in acidic medium using polyvinyl alcohol. <i>Pigment and Resin Technology</i> , 2006 , 35, 284-292	1	48
239	Anticorrosive properties of Hexa (3-methoxy propan-1,2-diol) cyclotri-phosphazene compound for carbon steel in 3% NaCl medium: gravimetric, electrochemical, DFT and Monte Carlo simulation studies. <i>Heliyon</i> , 2019 , 5, e01340	3.6	47
238	Rheological, electrochemical, surface, DFT and molecular dynamics simulation studies on the anticorrosive properties of new epoxy monomer compound for steel in 1M HCl solution.. <i>RSC Advances</i> , 2019 , 9, 4454-4462	3.7	47
237	Synthesized photo-cross-linking chalcones as novel corrosion inhibitors for mild steel in acidic medium: experimental, quantum chemical and Monte Carlo simulation studies. <i>RSC Advances</i> , 2015 , 5, 76675-76688	3.7	47
236	Fabrication of polymer based epoxy resin as effective anti-corrosive coating for steel: Computational modeling reinforced experimental studies. <i>Surfaces and Interfaces</i> , 2020 , 18, 100454	4.1	47
235	Anti-corrosive properties of 4-amino-3,5-bis(disubstituted)-1,2,4-triazole derivatives on mild steel corrosion in 2 M H ₃ PO ₄ solution: Experimental and theoretical studies. <i>Journal of Molecular Liquids</i> , 2016 , 216, 874-886	6	47
234	Electrochemical and surface studies of some Porphines as corrosion inhibitor for J55 steel in sweet corrosion environment. <i>Applied Surface Science</i> , 2015 , 359, 331-339	6.7	46

233	Dissolution of cellulose in ionic liquids and their mixed cosolvents: A review. <i>Sustainable Chemistry and Pharmacy</i> , 2019 , 13, 100162	3.9	46
232	Transition metal nanoparticles in ionic liquids: Synthesis and stabilization. <i>Journal of Molecular Liquids</i> , 2019 , 276, 826-849	6	46
231	,'-Dialkylcystine Gemini and Monomeric -Alkyl Cysteine Surfactants as Corrosion Inhibitors on Mild Steel Corrosion in 1 M HCl Solution: A Comparative Study. <i>ACS Omega</i> , 2017 , 2, 5691-5707	3.9	45
230	Highly durable macromolecular epoxy resin as anticorrosive coating material for carbon steel in 3% NaCl: Computational supported experimental studies. <i>Journal of Applied Polymer Science</i> , 2020 , 137, 49003	2.9	44
229	Electrochemical, surface and computational studies on the inhibition performance of some newly synthesized 8-hydroxyquinoline derivatives containing benzimidazole moiety against the corrosion of carbon steel in phosphoric acid environment. <i>Journal of Materials Research and Technology</i> , 2020 , 9, 727-748	5.5	44
228	Density and speed of sound of 1-ethyl-3-methylimidazolium ethyl sulphate with acetic or propionic acid at different temperatures. <i>Journal of Molecular Liquids</i> , 2014 , 199, 518-523	6	42
227	Inhibition performance of Glycine max, Cuscuta reflexa and Spirogyra extracts for mild steel dissolution in acidic medium: Density functional theory and experimental studies. <i>Results in Physics</i> , 2018 , 10, 665-674	3.7	41
226	Application of new isonicotinamides as a corrosion inhibitor on mild steel in acidic medium: Electrochemical, SEM, EDX, AFM and DFT investigations. <i>Journal of Molecular Liquids</i> , 2015 , 212, 686-698 ⁶		40
225	Non-toxic Schiff bases as efficient corrosion inhibitors for mild steel in 1 M HCl: Electrochemical, AFM, FE-SEM and theoretical studies. <i>Journal of Molecular Liquids</i> , 2018 , 250, 88-99	6	40
224	Poly (glycine) modified carbon paste electrode for simultaneous determination of catechol and hydroquinone: A voltammetric study. <i>Journal of Electroanalytical Chemistry</i> , 2018 , 823, 730-736	4.1	40
223	Biopolymer from Tragacanth Gum as a Green Corrosion Inhibitor for Carbon Steel in 1 M HCl Solution. <i>ACS Omega</i> , 2017 , 2, 3997-4008	3.9	40
222	Synergistic effect of halide ions on the corrosion inhibition of aluminum in acidic medium by some polymers. <i>Journal of Applied Polymer Science</i> , 2006 , 100, 2889-2894	2.9	40
221	Highly functionalized epoxy macromolecule as an anti-corrosive material for carbon steel: Computational (DFT, MDS), surface (SEM-EDS) and electrochemical (OCP, PDP, EIS) studies. <i>Journal of Molecular Liquids</i> , 2020 , 302, 112535	6	39
220	Synthesis, characterization and corrosion inhibition potential of two novel Schiff bases on mild steel in acidic medium. <i>RSC Advances</i> , 2017 , 7, 47148-47163	3.7	35
219	Adsorption and anticorrosive behavior of aromatic epoxy monomers on carbon steel corrosion in acidic solution: computational studies and sustained experimental studies.. <i>RSC Advances</i> , 2019 , 9, 14782-14796 ³⁵	3.7	35
218	Dendrimers: A new class of corrosion inhibitors for mild steel in 1M HCl: Experimental and quantum chemical studies. <i>Journal of Molecular Liquids</i> , 2016 , 224, 1282-1293	6	35
217	Some Phthalocyanine and Naphthalocyanine Derivatives as Corrosion Inhibitors for Aluminium in Acidic Medium: Experimental, Quantum Chemical Calculations, QSAR Studies and Synergistic Effect of Iodide Ions. <i>Molecules</i> , 2015 , 20, 15701-34	4.8	35
216	Challenges and advantages of using plant extract as inhibitors in modern corrosion inhibition systems: Recent advancements. <i>Journal of Molecular Liquids</i> , 2021 , 321, 114666	6	35

215	Recent developments in sustainable corrosion inhibitors: design, performance and industrial scale applications. <i>Materials Advances</i> , 2021 , 2, 3806-3850	3.3	35
214	Morpholine and piperazine based carboxamide derivatives as corrosion inhibitors of mild steel in HCl medium. <i>Journal of Molecular Liquids</i> , 2017 , 230, 652-661	6	34
213	Comparative Investigation of Corrosion-Mitigating Behavior of Thiadiazole-Derived Bis-Schiff Bases for Mild Steel in Acid Medium: Experimental, Theoretical, and Surface Study. <i>ACS Omega</i> , 2020 , 5, 13503-13520	3.9	33
212	2-Hydroxy-1-((Thiophene-2-yl)methylene)benzohydrazide: Ultrasound-Assisted Synthesis and Corrosion Inhibition Study. <i>ACS Omega</i> , 2018 , 3, 4695-4705	3.9	33
211	Molecular structural aspects of organic corrosion inhibitors: Influence of CN and NO_2 substituents on designing of potential corrosion inhibitors for aqueous media. <i>Journal of Molecular Liquids</i> , 2020 , 316, 113874	6	33
210	Polyurethane Based Triblock Copolymers as Corrosion Inhibitors for Mild Steel in 0.5 M H_2SO_4 . <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 441-456	3.9	32
209	Electrochemical response of nitrite and nitric oxide on graphene oxide nanoparticles doped with Prussian blue (PB) and Fe_2O_3 nanoparticles. <i>RSC Advances</i> , 2015 , 5, 27759-27774	3.7	32
208	Effect of poly(methyl methacrylate-co-N-vinyl-2-pyrrolidone) polymer on J55 steel corrosion in 3.5% NaCl solution saturated with CO_2 . <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2015 , 46, 214-222	5.3	32
207	Influence of 6-phenyl-3(2 H)-pyridazinone and 3-chloro-6-phenylpyrazine on mild steel corrosion in 0.5M HCl medium: Experimental and theoretical studies. <i>Journal of Molecular Structure</i> , 2017 , 1149, 549-559	3.4	32
206	A Novel Schiff Base of 3-acetyl-4-hydroxy-6-methyl-(2H)pyran-2-one and 2,2'-(ethylenedioxy)diethylamine as Potential Corrosion Inhibitor for Mild Steel in Acidic Medium. <i>Materials</i> , 2015 , 8, 2918-2934	3.5	32
205	Eco-friendly Inhibitors from Naturally Occurring Exudate Gums for Aluminium Corrosion Inhibition in Acidic Medium. <i>Portugaliae Electrochimica Acta</i> , 2007 , 26, 267-282	2.4	32
204	Pyrazole derivatives as environmental benign acid corrosion inhibitors for mild steel: Experimental and computational studies. <i>Journal of Molecular Liquids</i> , 2020 , 298, 111943	6	32
203	Imidazoles as highly effective heterocyclic corrosion inhibitors for metals and alloys in aqueous electrolytes: A review. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2020 , 114, 341-358	5.3	32
202	Biosynthesis and Photocatalytic Properties of SnO_2 Nanoparticles Prepared Using Aqueous Extract of Cauliflower. <i>Journal of Cluster Science</i> , 2017 , 28, 1883-1896	3	31
201	Anticorrosive property of heterocyclic based epoxy resins on carbon steel corrosion in acidic medium: Electrochemical, surface morphology, DFT and Monte Carlo simulation studies. <i>Journal of Molecular Liquids</i> , 2019 , 287, 110977	6	31
200	Conformational, electronic and antioxidant properties of lucidone, linderone and methylinderone: DFT, QTAIM and NBO studies. <i>Molecular Physics</i> , 2015 , 113, 683-697	1.7	31
199	Quinoline and its derivatives as corrosion inhibitors: A review. <i>Surfaces and Interfaces</i> , 2020 , 21, 100634	4.1	31
198	Experimental and theoretical studies on inhibition of mild steel corrosion by some synthesized polyurethane tri-block co-polymers. <i>Scientific Reports</i> , 2016 , 6, 30937	4.9	30

197	Anticorrosion studies of some hydantoin derivatives for mild steel in 0.5 M HCl solution: Experimental, quantum chemical, Monte Carlo simulations and QSAR studies. <i>Journal of Molecular Liquids</i> , 2018 , 252, 62-74	6	30
196	Synthesis, characterization, DFT calculations and molecular docking studies of metal (II) complexes. <i>Journal of Molecular Structure</i> , 2017 , 1150, 279-292	3-4	29
195	ADSORPTION AND KINETIC STUDIES ON THE INHIBITION POTENTIAL OF FLUCONAZOLE FOR THE CORROSION OF Al IN HCl SOLUTION. <i>Chemical Engineering Communications</i> , 2011 , 198, 711-725	2.2	29
194	Corrosion inhibition and adsorption properties of ethanol extract of <i>Gongronema latifolium</i> on mild steel in H ₂ SO ₄ . <i>Pigment and Resin Technology</i> , 2010 , 39, 77-83	1	28
193	Melamine derivatives as effective corrosion inhibitors for mild steel in acidic solution: Chemical, electrochemical, surface and DFT studies. <i>Results in Physics</i> , 2018 , 9, 100-112	3-7	27
192	Experimental and theoretical investigations of adsorption characteristics of itraconazole as green corrosion inhibitor at a mild steel/hydrochloric acid interface. <i>Research on Chemical Intermediates</i> , 2012 , 38, 1761-1779	2.8	27
191	Quantum chemical studies on the inhibition potentials of some Penicillin compounds for the corrosion of mild steel in 0.1 M HCl. <i>Journal of Molecular Modeling</i> , 2010 , 16, 1291-306	2	27
190	Experimental and computational investigations on the anti-corrosive and adsorption behavior of 7-N,N'-dialkylaminomethyl-8-Hydroxyquinolines on C40E steel surface in acidic medium. <i>Journal of Colloid and Interface Science</i> , 2020 , 576, 330-344	9-3	27
189	Synergistic interactions between tetra butyl phosphonium hydroxide and iodide ions on the mild steel surface for corrosion inhibition in acidic medium. <i>Journal of Molecular Liquids</i> , 2016 , 224, 19-29	6	27
188	Evaluation of anti-corrosion performance of an expired semi synthetic antibiotic cefdinir for mild steel in 1 M HCl medium: An experimental and theoretical study. <i>Results in Physics</i> , 2019 , 14, 102383	3-7	26
187	Epoxy resins and their zinc composites as novel anti-corrosive materials for copper in 3% sodium chloride solution: Experimental and computational studies. <i>Journal of Molecular Liquids</i> , 2020 , 315, 113757	6	26
186	Adsorption characteristics of green 5-arylaminomethylene pyrimidine-2,4,6-triones on mild steel surface in acidic medium: Experimental and computational approach. <i>Results in Physics</i> , 2018 , 8, 657-670	3-7	26
185	Studies on the corrosion inhibiting effect of Congo red dye-halide mixtures. <i>Pigment and Resin Technology</i> , 2006 , 35, 30-35	1	25
184	Macrocyclic inhibitor for corrosion of N80 steel in 3.5% NaCl solution saturated with CO ₂ . <i>Journal of Molecular Liquids</i> , 2016 , 219, 865-874	6	25
183	Effect of substituent dependent molecular structure on anti-corrosive behavior of one-pot multicomponent synthesized pyrimido [2,1-B] benzothiazoles: Computer modelling supported experimental studies. <i>Journal of Molecular Liquids</i> , 2019 , 287, 110972	6	24
182	Schiff base derived from the pharmaceutical drug Dapsone (DS) as a new and effective corrosion inhibitor for mild steel in hydrochloric acid. <i>Research on Chemical Intermediates</i> , 2013 , 39, 537-551	2.8	24
181	Impact of selected ionic liquids on corrosion protection of mild steel in acidic medium: Experimental and computational studies. <i>Journal of Molecular Liquids</i> , 2020 , 314, 113609	6	23
180	Aqueous extract of broccoli mediated synthesis of CaO nanoparticles and its application in the photocatalytic degradation of bromocrescol green. <i>IET Nanobiotechnology</i> , 2018 , 12, 888-894	2	23

179	A computational study of pyrazinamide: Tautomerism, acid-base properties, micro-solvation effects and acid hydrolysis mechanism. <i>Computational and Theoretical Chemistry</i> , 2014 , 1046, 30-41	2	23
178	A comparative study of the stability of stem bromelain based on the variation of anions of imidazolium-based ionic liquids. <i>Journal of Molecular Liquids</i> , 2017 , 246, 178-186	6	23
177	Studies on the inhibition of aluminium corrosion by 2-acetylphenothiazine in chloroacetic acids. <i>Anti-Corrosion Methods and Materials</i> , 2003 , 50, 414-421	0.8	23
176	Pyridine based N-heterocyclic compounds as aqueous phase corrosion inhibitors: A review. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2020 , 117, 265-277	5.3	23
175	Computational Modeling: Theoretical Predictive Tools for Designing of Potential Organic Corrosion Inhibitors. <i>Journal of Molecular Structure</i> , 2021 , 1236, 130294	3.4	23
174	Coordination behaviours of new (bidentate N,O-chelating) Schiff bases towards copper(II) and nickel(II) metal ions: synthesis, characterization, antimicrobial, antioxidant, and DFT studies. <i>Research on Chemical Intermediates</i> , 2017 , 43, 3787-3811	2.8	22
173	Gravimetric, electrochemical surface and density functional theory study of acetohydroxamic and benzohydroxamic acids as corrosion inhibitors for copper in 1 M HCl. <i>Results in Physics</i> , 2019 , 13, 102194	3.7	22
172	Synthesis, Characterization, Antimicrobial Studies and Corrosion Inhibition Potential of 1,8-dimethyl-1,3,6,8,10,13-hexaazacyclotetradecane: Experimental and Quantum Chemical Studies. <i>Materials</i> , 2016 , 9,	3.5	22
171	Inhibitive effect of chloroquine towards corrosion of mild steel in hydrochloric acid solution. <i>Research on Chemical Intermediates</i> , 2013 , 39, 1191-1208	2.8	21
170	Synthesis, Biological, and Quantum Chemical Studies of Zn(II) and Ni(II) Mixed-Ligand Complexes Derived from N,N-Disubstituted Dithiocarbamate and Benzoic Acid. <i>Journal of Chemistry</i> , 2016 , 2016, 1-12	2.3	21
169	Polypropylene Glycol-Silver Nanoparticle Composites: A Novel Anticorrosion Material for Aluminum in Acid Medium. <i>Journal of Materials Engineering and Performance</i> , 2015 , 24, 4206-4218	1.6	20
168	Experimental and computational mediated illustration of effect of different substituents on adsorption tendency of phthalazinone derivatives on mild steel surface in acidic medium. <i>Journal of Molecular Liquids</i> , 2020 , 305, 112844	6	20
167	Interfacial adsorption behavior of quaternary phosphonium based ionic liquids on metal-electrolyte interface: Electrochemical, surface characterization and computational approaches. <i>Journal of Molecular Liquids</i> , 2020 , 298, 111995	6	20
166	Epoxy prepolymer as a novel anti-corrosive material for carbon steel in acidic solution: Electrochemical, surface and computational studies. <i>Materials Today Communications</i> , 2020 , 22, 100800	2.5	20
165	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
164	Experimental and computational studies on hydroxamic acids as environmental friendly chelating corrosion inhibitors for mild steel in aqueous acidic medium. <i>Journal of Molecular Liquids</i> , 2020 , 314, 113651	6	19
163	Inhibition performance of three naphthyridine derivatives for mild steel corrosion in 1M HCl: Computation and experimental analyses. <i>Results in Physics</i> , 2018 , 10, 504-511	3.7	19
162	Mixed Ligand Complexes of N-Methyl-N-phenyl Dithiocarbamate: Synthesis, Characterisation, Antifungal Activity, and Solvent Extraction Studies of the Ligand. <i>Bioinorganic Chemistry and Applications</i> , 2015 , 2015, 913424	4.2	18

161	Influence of the alkyl group on thermophysical properties of carboxylic acids in 1-butyl-3-methylimidazolium thiocyanate ionic liquid at various temperatures. <i>Journal of Chemical Thermodynamics</i> , 2015 , 89, 104-111	2.9	18
160	Structures, stabilization energies, and binding energies of quinoxaline $\cdot\cdot\cdot$ (H ₂ O)(n), quinoxaline dimer, and quinoxaline $\cdot\cdot\cdot$ Cu complexes: a theoretical study. <i>Journal of Physical Chemistry A</i> , 2013 , 117, 1583-95	2.8	18
159	Insulator-metal transitions induced by electric and magnetic fields, in thin films of charge-ordered Pr _{1-x} CaxMnO ₃ . <i>Solid State Communications</i> , 2000 , 114, 295-299	1.6	18
158	Insights into corrosion inhibition mechanism of mild steel in 1 M HCl solution by quinoxaline derivatives: electrochemical, SEM/EDAX, UV-visible, FT-IR and theoretical approaches. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 611, 125810	5.1	18
157	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
156	Interactions of polyvinylpyrrolidone with imidazolium based ionic liquids: Spectroscopic and Density Functional Theory studies. <i>Journal of Molecular Liquids</i> , 2016 , 213, 13-16	6	17
155	Biosynthesis, Electrochemical, Antimicrobial and Antioxidant Studies of Silver Nanoparticles Mediated by Talinum triangulare Aqueous Leaf Extract. <i>Journal of Cluster Science</i> , 2017 , 28, 309-330	3	17
154	Recent developments in sustainable corrosion inhibition using ionic liquids: A review. <i>Journal of Molecular Liquids</i> , 2021 , 321, 114484	6	17
153	Phenolic fraction of Ammi visnaga extract as environmentally friendly antioxidant and corrosion inhibitor for mild steel in acidic medium. <i>Journal of Molecular Liquids</i> , 2021 , 323, 114950	6	17
152	Molecular modelling of compounds used for corrosion inhibition studies: a review. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 19987-20027	3.6	17
151	Effect of surface treatment on the bioactivity and electrochemical behavior of magnesium alloys in simulated body fluid. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2017 , 68, 776-790	1.6	16
150	Inhibition of C-steel Corrosion by Green Tea Extract in Hydrochloric Solution. <i>International Journal of Electrochemical Science</i> , 3283-3295	2.2	16
149	Exploring the Effect of Choline-Based Ionic Liquids on the Stability and Activity of Stem Bromelain. <i>Journal of Physical Chemistry B</i> , 2018 , 122, 10435-10444	3.4	16
148	Volumetric and acoustic properties of binary systems (furfural or furfuryl alcohol+toluene) and (furfuryl alcohol+ethanol) at different temperatures. <i>Thermochimica Acta</i> , 2015 , 611, 47-55	2.9	15
147	Evaluation of some amino benzoic acid and 4-aminoantipyrine derived Schiff bases as corrosion inhibitors for mild steel in acidic medium: Synthesis, experimental and computational studies. <i>Journal of Molecular Liquids</i> , 2020 , 315, 113773	6	15
146	Surface protection activities of some 6-substituted 3-chloropyridazine derivatives for mild steel in 1 M hydrochloric acid: Experimental and theoretical studies. <i>Surfaces and Interfaces</i> , 2018 , 12, 8-19	4.1	15
145	Poly(crystal violet) modified pencil graphite electrode sensor for the electroanalysis of catechol in the presence of hydroquinone. <i>Sensing and Bio-Sensing Research</i> , 2018 , 20, 47-54	3.3	15
144	Synthesis, characterization and corrosion inhibition properties of benzamide- α -chloro-4-nitrobenzoic acid and anthranilic acid- α -chloro-4-nitrobenzoic acid for mild steel corrosion in acidic medium. <i>Journal of Molecular Structure</i> , 2018 , 1155, 110-122	3.4	15

143	Ionic salt (4-ethoxybenzyl)-triphenylphosphonium bromide as a green corrosion inhibitor on mild steel in acidic medium: experimental and theoretical evaluation. <i>RSC Advances</i> , 2017 , 7, 31907-31920	3.7	14
142	Chemical, Electrochemical and Computational Studies of Newly Synthesized Novel and Environmental Friendly Heterocyclic Compounds as Corrosion Inhibitors for Mild Steel in Acidic Medium. <i>Journal of Bio- and Tribo-Corrosion</i> , 2018 , 4, 1	2.9	14
141	Synthesis, DFT Calculation, and Antimicrobial Studies of Novel Zn(II), Co(II), Cu(II), and Mn(II) Heteroleptic Complexes Containing Benzoylacetone and Dithiocarbamate. <i>Bioinorganic Chemistry and Applications</i> , 2015 , 2015, 789063	4.2	14
140	Synergistic effect of halide ions and polyethylene glycol on the corrosion inhibition of aluminium in alkaline medium. <i>Journal of Applied Polymer Science</i> , 2009 , 113, 3533-3543	2.9	14
139	N-substituted carbazoles as corrosion inhibitors in microbiologically influenced and acidic corrosion of mild steel: Gravimetric, electrochemical, surface and computational studies. <i>Journal of Molecular Structure</i> , 2021 , 1223, 129328	3.4	14
138	Screening of environmental friendly ionic liquid as a solvent for the different types of separations problem: Insight from activity coefficients at infinite dilution measurement using (gas + liquid) chromatography technique. <i>Journal of Chemical Thermodynamics</i> , 2016 , 92, 35-42	2.9	13
137	Interference free detection of dihydroxybenzene isomers at pyrogallol film coated electrode: A voltammetric method. <i>Journal of Electroanalytical Chemistry</i> , 2018 , 813, 193-199	4.1	13
136	Influence of temperature on molecular interactions of imidazolium-based ionic liquids with acetophenone: thermodynamic properties and quantum chemical studies. <i>RSC Advances</i> , 2016 , 6, 104708-104713	3.7	13
135	Synthesis, Structural and Optical Properties of TOPO and HDA Capped Cadmium Sulphide Nanocrystals, and the Effect of Capping Ligand Concentration. <i>Journal of Nanomaterials</i> , 2015 , 2015, 1-9	3.2	13
134	Anti-corrosive property of bioinspired environmental benign imidazole and isoxazoline heterocyclics: A cumulative studies of experimental and DFT methods. <i>Journal of Heterocyclic Chemistry</i> , 2020 , 57, 103-119	1.9	13
133	Adsorption and Corrosion Inhibition Potentials of Salicylaldehyde-based Schiff Bases of Semicarbazide and p-Toluidine on Mild Steel in Acidic Medium: Experimental and Computational Studies. <i>Surfaces and Interfaces</i> , 2020 , 21, 100782	4.1	13
132	Cyclotriphosphazene based dendrimeric epoxy resin as an anti-corrosive material for copper in 3% NaCl: Experimental and computational demonstrations. <i>Journal of Molecular Liquids</i> , 2020 , 308, 113020	6	13
131	Probing Molecular Interactions between Ammonium-Based Ionic Liquids and N,N-Dimethylacetamide: A Combined FTIR, DLS, and DFT Study. <i>Journal of Physical Chemistry B</i> , 2016 , 120, 12584-12595	3.4	12
130	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
129	A Sensor for the Determination of Lindane Using PANI/Zn, Fe(III) Oxides and Nylon 6,6/MWCNT/Zn, Fe(III) Oxides Nanofibers Modified Glassy Carbon Electrode. <i>Journal of Nanomaterials</i> , 2016 , 2016, 1-10	3.2	12
128	Intermolecular interactions between 2-methyl-2-butanol and petroleum ether at different temperatures: Density, viscosity and refractive index measurements. <i>Journal of Molecular Liquids</i> , 2016 , 219, 795-800	6	12
127	Designing of phosphorous based highly functional dendrimeric macromolecular resin as an effective coating material for carbon steel in NaCl: Computational and experimental studies. <i>Journal of Applied Polymer Science</i> , 2021 , 138, 49673	2.9	12
126	(Vapour + liquid) equilibria, (VLE) excess molar enthalpies and infinite dilution activity coefficients of selected binary systems involving n-hexyl pyridinium bis(trifluoromethylsulphonyl)imide ionic liquid: Experimental and predictions using modified UNIFAC (Dortmund). <i>Journal of Chemical Thermodynamics</i> , 2015 , 80, 82-89	2.9	11

125	DFT STUDY OF THE PROTONATION AND DEPROTONATION ENTHALPIES OF BENZOXAZOLE, 1,2-BENZISOXAZOLE AND 2,1-BENZISOXAZOLE AND IMPLICATIONS FOR THE STRUCTURES AND ENERGIES OF THEIR ADDUCTS WITH EXPLICIT WATER MOLECULES. <i>Journal of Theoretical and Computational Chemistry</i> , 2013 , 12, 1350070	1.8	11
124	Epoxy coating as effective anti-corrosive polymeric material for aluminum alloys: Formulation, electrochemical and computational approaches. <i>Journal of Molecular Liquids</i> , 2021 , 346, 117886	6	11
123	Green Wastes Mediated Zinc Oxide Nanoparticles: Synthesis, Characterization and Electrochemical Studies. <i>Materials</i> , 2020 , 13,	3.5	11
122	Acridine-based thiosemicarbazones as novel inhibitors of mild steel corrosion in 1 M HCl: synthesis, electrochemical, DFT and Monte Carlo simulation studies.. <i>RSC Advances</i> , 2019 , 9, 29590-29599	3.7	11
121	Electrochemical Detection of Endosulfan Using an AONP-PANI-SWCNT Modified Glassy Carbon Electrode. <i>Materials</i> , 2021 , 14,	3.5	11
120	Vapor-liquid equilibria, density and sound velocity measurements of (water or methanol or ethanol + 1,3-propanediol) binary systems at different temperatures. <i>Thermochimica Acta</i> , 2016 , 642, 111-123	2.9	10
119	Molluscicidal effects of neem (<i>Azadirachta indica</i>) extracts on edible tropical land snails. <i>Pest Management Science</i> , 2004 , 60, 178-82	4.6	10
118	Experimental, adsorption, quantum chemical and molecular dynamics simulation studies on the corrosion inhibition performance of Vincamine on J55 steel in acidic medium. <i>Journal of Molecular Structure</i> , 2021 , 1227, 129533	3.4	10
117	Electrocatalysis of Lindane Using Antimony Oxide Nanoparticles Based-SWCNT/PANI Nanocomposites. <i>Frontiers in Chemistry</i> , 2018 , 6, 423	5	10
116	Quantitative structure activity relationship and artificial neural network as vital tools in predicting coordination capabilities of organic compounds with metal surface: A review. <i>Coordination Chemistry Reviews</i> , 2021 , 446, 214101	23.2	10
115	Synthesis, crystal structure, thermal and theoretical studies of bis(N-ethyl-N-phenyldithiocarbamate) Ni(II) and (N-ethyl-N-phenyldithiocarbamate) (isothiocyanato) (triphenylphosphine) Ni(II). <i>Journal of Chemical Sciences</i> , 2016 , 128, 1081-1093	1.8	9
114	Speciation study of the heavy metals in commercially available recharge cards coatings in Nigeria and the health implication. <i>Toxicology Reports</i> , 2014 , 1, 243-251	4.8	9
113	Use of HPHT autoclave to determine corrosion inhibition effect of poly(methyl methacrylate-co-N-vinyl-2-pyrrolidone) on carbon steels in 3.5% NaCl solution saturated with CO ₂ . <i>Chinese Journal of Polymer Science (English Edition)</i> , 2015 , 33, 339-348	3.5	9
112	Inhibitory Action of <i>Artemisia annua</i> Extracts and Artemisinin on the Corrosion of Mild Steel in H ₂ SO ₄ Solution. <i>International Journal of Corrosion</i> , 2012 , 2012, 1-8	2	9
111	Carbon-Based Quantum Dots for Electrochemical Detection of Monoamine Neurotransmitters-Review. <i>Biosensors</i> , 2020 , 10,	5.9	9
110	Development and Anti-corrosion Performance of Polymeric Epoxy Resin and their Zinc Phosphate Composite on 15CDV6 Steel in 3wt% NaCl: Experimental and Computational Studies. <i>Journal of Bio- and Tribo-Corrosion</i> , 2020 , 6, 1	2.9	9
109	Investigation of phenol-formaldehyde resins as corrosion impeding agent in acid solution. <i>Journal of Molecular Liquids</i> , 2021 , 330, 115649	6	9
108	Electrochemical Detection of Phenanthrene Using Nickel Oxide Doped PANI Nanofiber Based Modified Electrodes. <i>Journal of Nanomaterials</i> , 2016 , 2016, 1-12	3.2	9

107	Ionic liquid-mediated functionalization of graphene-based materials for versatile applications: a review. <i>Graphene Technology</i> , 2019 , 4, 1-15	1.8	9
106	Dendrimeric Epoxy Resins Based on Hexachlorocyclotriphosphazene as a Reactive Flame Retardant Polymeric Materials: A Review. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2021 , 31, 3240-3261	3.2	9
105	Chromeno-carbonitriles as corrosion inhibitors for mild steel in acidic solution: electrochemical, surface and computational studies.. <i>RSC Advances</i> , 2021 , 11, 2462-2475	3.7	9
104	Intermolecular interactions between methanol and some sulphonamide drugs in aqueous medium using thermodynamics approach. <i>Journal of Molecular Liquids</i> , 2019 , 283, 451-461	6	8
103	Synthesis of Macromolecular Aromatic Epoxy Resins as Anticorrosive Materials: Computational Modeling Reinforced Experimental Studies. <i>ACS Omega</i> , 2020 , 5, 3151-3164	3.9	8
102	MP2, DFT and DFT-D study of the dimers of diazanaphthalenes: a comparative study of their structures, stabilisation and binding energies. <i>Molecular Simulation</i> , 2014 , 40, 1131-1146	2	8
101	Corrosion inhibition behavior of cefuzonam at mild steel/HCl acid interface. <i>Research on Chemical Intermediates</i> , 2013 , 39, 3033-3042	2.8	8
100	Rheological Modeling and Characterization of Ficus platyphylla Gum Exudates. <i>Journal of Chemistry</i> , 2013 , 2013, 1-10	2.3	8
99	Metathesis of fatty acid ester derivatives in 1,1-dialkyl and 1,2,3-trialkyl imidazolium type ionic liquids. <i>International Journal of Molecular Sciences</i> , 2011 , 12, 3989-97	6.3	8
98	Effects of lead pollution at industrial contaminated sites on sentinel juvenile Achatina achatina. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2009 , 82, 106-10	2.7	8
97	Synthesis and structures of divalent Co, Ni, Zn and Cd complexes of mixed dichalcogen and dipnictogen ligands with corrosion inhibition properties: experimental and computational studies.. <i>RSC Advances</i> , 2020 , 10, 41967-41982	3.7	8
96	Synthesis, Electrochemical Studies, and Antimicrobial Properties of FeO Nanoparticles from Plant Extracts. <i>Materials</i> , 2020 , 13,	3.5	8
95	Understanding the role of Dimethylformamide as co-solvents in the dissolution of cellulose in ionic liquids: Experimental and theoretical approach. <i>Journal of Molecular Liquids</i> , 2021 , 328, 115392	6	8
94	Thiol (-SH) substituent as functional motif for effective corrosion protection: A review on current advancements and future directions. <i>Journal of Molecular Liquids</i> , 2021 , 324, 115111	6	8
93	Cibulka correlation for ternary excess/deviation properties of {[C2mim][EtSO4] (x1) + acetic or propionic acid (x2) + acetonitrile (x3)} systems at different temperatures. <i>Journal of Chemical Thermodynamics</i> , 2017 , 107, 153-162	2.9	7
92	Industrial Potential of Two Varieties of Cocoyam in Bread Making. <i>E-Journal of Chemistry</i> , 2012 , 9, 451-464		7
91	Colour Change: An Indicator of the Extent of Maillard Browning Reaction in Food System. <i>Asian Journal of Chemistry</i> , 2013 , 25, 9325-9328	0.4	7
90	Thin films of Ln _{1-x} Sr _x CoO ₃ (Ln=La, Nd and Gd) and SrRuO ₃ by nebulized spray pyrolysis. <i>Solid State Sciences</i> , 2000 , 2, 833-839	3.4	7

89	Epoxy resin and TiO ₂ composite as anticorrosive material for carbon steel in 3% NaCl medium: Experimental and computational studies. <i>Journal of Molecular Liquids</i> , 2020 , 317, 114249	6	7
88	Molecularly imprinted polymers (MIPs) based electrochemical sensors for the determination of catecholamine neurotransmitters [Review]. <i>Electrochemical Science Advances</i> , 2021 , 1, e2000026		7
87	Synthesis and characterization of walnut husk extract-silver nanocomposites for removal of heavy metals from petroleum wastewater and its consequences on pipework steel corrosion. <i>Journal of Molecular Liquids</i> , 2021 , 335, 116132	6	7
86	Synthesis and characterization of anticorrosion zirconia/acrylic nanocomposite resin coatings for steel. <i>Progress in Organic Coatings</i> , 2019 , 137, 105337	4.8	6
85	Fabrication on designing of a macromolecular epoxy resin as anti-corrosive coating material for electrocatalytically deposited cadmium on 15CDV6 steel in 3% NaCl solution. <i>Journal of Materials Research and Technology</i> , 2020 , 9, 5549-5563	5.5	6
84	The inhibitory effect of two 5-alkylthio-8-hydroxyquinoline salts on steel C22E in a molar electrolyte of hydrochloric acid: Experimental and theoretical studies. <i>Surfaces and Interfaces</i> , 2020 , 20, 100575	4.1	6
83	Electrochemical and Computational Studies of Some Carbazole Derivatives as Inhibitors of Mild Steel Corrosion in Abiotic and Biotic Environments. <i>Journal of Bio- and Tribo-Corrosion</i> , 2018 , 4, 1	2.9	6
82	Ionic Liquids as Green Corrosion Inhibitors for Industrial Metals and Alloys 2018 ,		6
81	Synthesis, Characterization, and Corrosion Inhibition Performance of 5-Aminopyrazole Carbonitriles Towards Mild Steel Acidic Corrosion. <i>Journal of Bio- and Tribo-Corrosion</i> , 2018 , 4, 1	2.9	6
80	Superhydrophobic antibacterial polymer coatings 2019 , 245-279		6
79	Ceforanide: a new and efficient corrosion inhibitor for mild steel in HCl solution. <i>Research on Chemical Intermediates</i> , 2013 , 39, 1823-1831	2.8	6
78	Energy Dispersive X-ray Fluorescence Analysis of Pre and Post-1850 Historical Documents Obtained from the National Library of South Africa. <i>Asian Journal of Chemistry</i> , 2013 , 25, 9384-9386	0.4	6
77	Effects of lead pollution from vehicular exhaust fumes against sentinel juvenile <i>Achatina achatina</i> . <i>Bulletin of Environmental Contamination and Toxicology</i> , 2008 , 81, 513-5	2.7	6
76	Corrosion inhibition of steel using different families of organic compounds: Past and present progress. <i>Journal of Molecular Liquids</i> , 2022 , 348, 118373	6	6
75	Trifunctional epoxy resin as anticorrosive material for carbon steel in 1 M HCl: Experimental and computational studies. <i>Surfaces and Interfaces</i> , 2020 , 21, 100707	4.1	6
74	Simultaneous electrochemical sensing of dihydroxy benzene isomers at cost-effective allura red polymeric film modified glassy carbon electrode. <i>Journal of Analytical Science and Technology</i> , 2021 , 12,	3.4	6
73	Experimental and molecular docking studies in understanding the biomolecular interactions between stem bromelain and imidazolium-based ionic liquids. <i>Journal of Molecular Liquids</i> , 2020 , 297, 111785	6	6
72	Influence of alkyl group on interactions between carboxylic acid and acetonitrile at different temperatures. <i>Journal of Chemical Thermodynamics</i> , 2016 , 98, 102-110	2.9	5

71	Physicochemical Properties of N-Butyl-N-methyl-2-oxopyrrolidonium Bromide and Its Binary Mixtures with Water or Methanol. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 601-608	8.3	5
70	Corrosion Inhibition and Adsorption Characteristics of Tarivid on Mild Steel in H ₂ SO ₄ . <i>E-Journal of Chemistry</i> , 2010 , 7, S442-S448		5
69	Aminomethylpyridazine isomers as corrosion inhibitors for mild steel in 1 M HCl: electrochemical, DFT and Monte Carlo simulation studies. <i>Journal of Molecular Liquids</i> , 2021 , 344, 117882	6	5
68	Effect of temperature on intermolecular interactions between the organic solvents: Insights from density and excess volume. <i>Journal of Chemical Thermodynamics</i> , 2019 , 132, 461-469	2.9	5
67	Phthalocyanine, naphthalocyanine and their derivatives as corrosion inhibitors: A review. <i>Journal of Molecular Liquids</i> , 2021 , 334, 116441	6	5
66	Electrochemical sensor for the detection of dopamine using carbon quantum dots /copper oxide nanocomposite modified electrode. <i>FlatChem</i> , 2022 , 100372	5.1	5
65	Cerium salt as green corrosion inhibitor for steel in acid medium. <i>Research on Chemical Intermediates</i> , 2015 , 41, 49-62	2.8	4
64	Electrochemical Study of Pyrene on Glassy Carbon Electrode Modified with Metal-Oxide Nanoparticles and Graphene Oxide/Multi-Walled Carbon Nanotubes Nanoplatform. <i>Journal of Nano Research</i> , 2016 , 44, 158-195	1	4
63	Interactions of 1-butyl-3-methylimidazolium hexafluorophosphate with N,N-dimethylformamide: Density and viscosity measurements. <i>Journal of Molecular Liquids</i> , 2016 , 219, 661-666	6	4
62	(Liquid + liquid) equilibria measurements for ternary systems (sulfolane + a carboxylic acid + n-heptane) at T = 303.15 K and at 0.1 MPa. <i>Journal of Chemical Thermodynamics</i> , 2016 , 96, 169-174	2.9	4
61	Isolation, identification and radical scavenging activity of phlorotannin derivatives from brown algae, <i>Ecklonia maxima</i> : An experimental and theoretical study. <i>Free Radicals and Antioxidants</i> , 2013	1.7	4
60	Synthesis and theoretical study of 5-methoxyisatin-3-(N-cyclohexyl)thiosemicarbazone and its Ni(II) and Zn(II) complexes. <i>Journal of Molecular Structure</i> , 2009 , 938, 89-96	3.4	4
59	Environmental, safety and economic risks of Covid-19 pandemic in petroleum industries: A prospective. <i>Journal of Petroleum Science and Engineering</i> , 2021 , 198, 108161	4.4	4
58	Interference Free Simultaneous Detection of Dihydroxy Benzene Isomers at Cost-effective and Reliable Celestine Blue Modified Glassy Carbon Electrode. <i>ChemistrySelect</i> , 2021 , 6, 2379-2386	1.8	4
57	Molecular interactions of p-chlorotoluene and 1-alkanols at different temperatures: Volumetric, ultrasonic and FT-IR spectroscopic studies. <i>Journal of Molecular Liquids</i> , 2018 , 262, 302-309	6	4
56	Hydrogen Bonding Interactions of Chlorotoluene with 1-Alkanol Analyzed by Thermodynamic, Fourier Transform Infrared Spectroscopy, Density Functional Theory, and Natural Bond Orbital. <i>ACS Omega</i> , 2018 , 3, 4679-4687	3.9	4
55	Phase equilibria measurements of ternary mixtures (sulfolane+a carboxylic acid+pentane) at 303.15K. <i>Fluid Phase Equilibria</i> , 2015 , 404, 26-31	2.5	3
54	Interactions of ethyl acetoacetate with some (C ₄ -C ₉) aliphatic ketones at 298.15 K: Insight from volumetric studies. <i>Journal of Molecular Liquids</i> , 2016 , 216, 641-645	6	3

53	Saccharum sinense bagasse extract as an effective corrosion inhibitor for J55 steel in 3.5% NaCl solution saturated with CO ₂ . <i>Anti-Corrosion Methods and Materials</i> , 2015 , 62, 388-393	0.8	3
52	Chemical and Radiological Risks of Drinking Water from Communities in Wonderfonteinspruit Catchment, South Africa. <i>Asian Journal of Chemistry</i> , 2013 , 25, 9302-9308	0.4	3
51	ETM-ANN approach application for thiobenzamide and quinolizidine derivatives. <i>Journal of Biomedicine and Biotechnology</i> , 2010 , 2010,		3
50	Effects of lead pollution against juvenile <i>Achatina achatina</i> fed on contaminated artificial diet. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2009 , 82, 583-5	2.7	3
49	Development of QSAR-based (MLR/ANN) predictive models for effective design of pyridazine corrosion inhibitors. <i>Materials Today Communications</i> , 2022 , 30, 103163	2.5	3
48	Organic and Inorganic Corrosion Inhibitors 2021 , 59-73		3
47	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
46	Electrochemical Determination of Caffeine Using Bimetallic Au/Ag Nanoparticles Obtained from Low-cost Green Synthesis. <i>Electroanalysis</i> , 2020 , 32, 2745-2755	3	3
45	Progress in electrochemical detection of neurotransmitters using carbon nanotubes/nanocomposite based materials: A chronological review. <i>Nano Select</i> , 2020 , 1, 561-611	3.1	3
44	SPEEK/ZnO Nanocomposite Modified Gold Electrode for Electrochemical Detection of Dopamine. <i>Electroanalysis</i> , 2020 , 32, 2713-2722	3	3
43	Recent advancements in corrosion inhibitor systems through carbon allotropes: Past, present, and future. <i>Nano Select</i> ,	3.1	3
42	Recent progress in epoxy resins as corrosion inhibitors: design and performance. <i>Journal of Adhesion Science and Technology</i> , 1-22	2	3
41	A study of the molecular interactions between ammonium-based ionic liquids and N,N-dimethylacetamide. <i>Journal of Molecular Liquids</i> , 2016 , 223, 687-698	6	2
40	Green Approaches to Corrosion Mitigation. <i>International Journal of Corrosion</i> , 2012 , 2012, 1-2	2	2
39	Lipids Characterization and Industrial Potentials of Pumpkin Seeds (<i>Telfairia occidentalis</i>) and Cashew Nuts (<i>Anacardium occidentale</i>). <i>E-Journal of Chemistry</i> , 2011 , 8, 1986-1992		2
38	A Review on Ammonia Derivatives as Corrosion Inhibitors for Metals and Alloys. <i>Green Energy and Technology</i> , 2020 , 49-67	0.6	2
37	Influence of chlorine atom on interactions between halo-hydrocarbons and 1-nonanol: Density and speed of sound measurements. <i>Journal of Chemical Thermodynamics</i> , 2018 , 118, 82-91	2.9	2
36	Flame retardancy of an intumescent epoxy resin containing cyclotriphosphazene: experimental, computational and statistical studies. <i>Iranian Polymer Journal (English Edition)</i> , 2021 , 30, 1169	2.3	2

35	Multifunctional silver nanocomposite: A potential material for antiscaling, antimicrobial and anticorrosive applications. <i>Jcis Open</i> , 2021 , 3, 100012		2
34	Interaction studies of methyl acetate in aqueous solutions of quinoxaline derivatives: Effect of temperature and concentration. <i>Journal of Molecular Liquids</i> , 2015 , 211, 567-576	6	1
33	Antioxidant properties, computational studies and corrosion inhibition potential of 3-hydroxy-1-(2-hydroxyphenyl)-5-(phenyl)-2,4-pentadien-1-one analogues. <i>Journal of Molecular Liquids</i> , 2016 , 223, 819-827	6	1
32	Access to Potable Drinking Water in the Wonderfonteinspruit Catchment. <i>Journal of Social Sciences</i> , 2011 , 29, 73-79	2	1
31	The Effects of Cassia Siamea Lam. Root Extract on the Corrosion and Kinetics of Corrosion Process of Copper in Alkaline Solutions. <i>E-Journal of Chemistry</i> , 2011 , 8, 1708-1713		1
30	Oleochemicals as Corrosion Inhibitors 2021 , 343-369		1
29	Amines as Corrosion Inhibitors 2021 , 75-94		1
28	Epoxy Resins and Their Nanocomposites as Anticorrosive Materials 2021 , 451-482		1
27	Natural Polymers as Corrosion Inhibitors 2021 , 411-434		1
26	Imidazole and Its Derivatives as Corrosion Inhibitors 2021 , 95-122		1
25	Electrochemical Characterization and Detection of Lead in Water Using SPCE Modified with BiONPs/PANI. <i>Nanomaterials</i> , 2021 , 11,	5-4	1
24	Fundamentals of corrosion chemistry 2022 , 25-45		1
23	Nanomaterials and Nanocomposites as Corrosion Inhibitors. <i>ACS Symposium Series</i> , 187-217	0.4	1
22	Electrochemical evaluation of Cd ²⁺ and Hg ²⁺ ions in water using ZnO/Cu ₂ ONPs/PANI modified SPCE electrode. <i>Sensing and Bio-Sensing Research</i> , 2022 , 35, 100476	3-3	0
21	Ionic Liquids as Corrosion Inhibitors 2021 , 315-342		0
20	Conductive Nanodiamond-Based Detection of Neurotransmitters: One Decade, Few Sensors. <i>ACS Omega</i> , 2021 , 6, 18548-18558	3-9	0
19	Investigating the synergism of some hydrazinecarboxamides and iodide ions as corrosion inhibitor formulations for mild steel in hydrochloric Acid: Experimental and computational studies. <i>Journal of Molecular Liquids</i> , 2021 , 343, 117600	6	0
18	Polymer nanocomposites as industrially useful corrosion inhibitors: recent developments 2021 , 419-435		0

- 17 Computational insights into quinoxaline-based corrosion inhibitors of steel in HCl: Quantum chemical analysis and QSPR-ANN studies. *Arabian Journal of Chemistry*, **2022**, 103870 5.9 ○
- 16 Functionalized Carbon Allotropes as Corrosion Inhibitors. *ACS Symposium Series*, 87-114 0.4 ○
- 15 Thermodynamic properties of ternary mixture {[C4mim][SCN] + acetic or propionic acid + acetonitrile} over the temperature range of (293.15B13.15) K. *Journal of Chemical Thermodynamics*, **2019**, 138, 321-331 2.9
- 14 Utilization of ZnO-based materials as anticorrosive agents: a review **2022**, 161-182
- 13 Chemical Medicines as Corrosion Inhibitors **2021**, 287-314
- 12 Carbohydrates and Their Derivatives as Corrosion Inhibitors **2021**, 241-254
- 11 Pyridine and Its Derivatives as Corrosion Inhibitors **2021**, 123-148
- 10 Amino Acids and Their Derivatives as Corrosion Inhibitors **2021**, 255-285
- 9 Indole and Its Derivatives as Corrosion Inhibitors **2021**, 167-220
- 8 Carbon Nanotubes as Corrosion Inhibitors **2021**, 371-385
- 7 Quinoline and Its Derivatives as Corrosion Inhibitors **2021**, 149-165
- 6 Computational Methods of Corrosion Monitoring **2021**, 39-57
- 5 Environmentally Sustainable Corrosion Inhibitors in Oil and Gas Industry **2021**, 221-240
- 4 Electrochemical Properties of Nanoporous Based Materials **2019**, 3-24
- 3 Chemical modification of epoxy prepolymers as anticorrosive materials: a review **2022**, 273-288
- 2 Ultrasound and microwave heating for the synthesis of green corrosion inhibitors: a literature study **2022**, 303-319
- 1 Functionalized Nanomaterials for Corrosion Mitigation: Synthesis, Characterization & Applications. *ACS Symposium Series*, 67-85 0.4