Saviour A Umoren

List of Publications by Citations

155 papers	7,585 citations	53 h-index	83 g-index
160 ext. papers	8,769 ext. citations	4.8 avg, IF	6.85 L-index

#	Paper	IF	Citations
155	Inhibitory action of Phyllanthus amarus extracts on the corrosion of mild steel in acidic media. *Corrosion Science*, **2008**, 50, 2310-2317	6.8	324
154	Inhibitive and adsorption behaviour of carboxymethyl cellulose on mild steel corrosion in sulphuric acid solution. *Corrosion Science*, **2010**, 52, 1317-1325	6.8	302
153	Application of carbohydrate polymers as corrosion inhibitors for metal substrates in different media: A review. *Carbohydrate Polymers*, **2016**, 140, 314-41	10.3	273
152	Antifungal drugs as corrosion inhibitors for aluminium in 0.1M HCl. *Corrosion Science*, **2009**, 51, 1868-1876	6.8	209
151	Inhibition of mild steel corrosion in acidic medium using synthetic and naturally occurring polymers and synergistic halide additives. *Corrosion Science*, **2008**, 50, 1998-2006	6.8	209
150	The synergistic inhibitive effect and some quantum chemical parameters of 2,3-diaminonaphthalene and iodide ions on the hydrochloric acid corrosion of aluminium. *Corrosion Science*, **2009**, 51, 276-282	6.8	181
149	Performance evaluation of pectin as ecofriendly corrosion inhibitor for X60 pipeline steel in acid medium: experimental and theoretical approaches. *Carbohydrate Polymers*, **2015**, 124, 280-91	10.3	163
148	Carboxymethyl Cellulose/Silver Nanoparticles Composite: Synthesis, Characterization and Application as a Benign Corrosion Inhibitor for St37 Steel in 15% HSO Medium. *ACS Applied Materials & Interfaces*, **2017**, 9, 6376-6389	9.5	142
147	Gum arabic as a potential corrosion inhibitor for aluminium in alkaline medium and its adsorption characteristics. *Anti-Corrosion Methods and Materials*, **2006**, 53, 277-282	0.8	138
146	Effect of halide ions on the corrosion inhibition efficiency of different organic species A review. *Journal of Industrial and Engineering Chemistry*, **2015**, 21, 81-100	6.3	131
145	Theoretical prediction and electrochemical evaluation of vinylimidazole and allylimidazole as corrosion inhibitors for mild steel in 1 M HCl. *Journal of Industrial and Engineering Chemistry*, **2015**, 21, 1328-1339	6.3	130
144	Coconut coir dust as a low cost adsorbent for the removal of cationic dye from aqueous solution. *Journal of Saudi Chemical Society*, **2016**, 20, S67-S76	4.3	128
143	The synergistic effect of polyacrylamide and iodide ions on the corrosion inhibition of mild steel in H2SO4. *Materials Chemistry and Physics*, **2007**, 106, 387-393	4.4	121
142	Utilization of watermelon rind extract as a green corrosion inhibitor for mild steel in acidic media. *Journal of Industrial and Engineering Chemistry*, **2015**, 21, 239-247	6.3	119
141	Electrochemical study of corrosion inhibition and adsorption behaviour for pure iron by polyacrylamide in H2SO4: Synergistic effect of iodide ions. *Corrosion Science*, **2010**, 52, 1777-1786	6.8	116
140	Synergistic corrosion inhibition effect of metal cations and mixtures of organic compounds: A Review. *Journal of Environmental Chemical Engineering*, **2017**, 5, 246-273	6.8	112
139	Natural Products for Material Protection: Inhibition of Mild Steel Corrosion by Date Palm Seed Extracts in Acidic Media. *Industrial & Engineering Chemistry Research*, **2013**, 52, 14855-14865	3.9	112

138	Protective polymeric films for industrial substrates: A critical review on past and recent applications with conducting polymers and polymer composites/nanocomposites. *Progress in Materials Science*, **2019**, 104, 380-450	42.2	111
137	Theoretical studies of some sulphonamides as corrosion inhibitors for mild steel in acidic medium. *International Journal of Quantum Chemistry*, **2010**, 110, 2614-2636	2.1	111
136	In-situ preparation, characterization and anticorrosion property of polypropylene glycol/silver nanoparticles composite for mild steel corrosion in acid solution. *Journal of Colloid and Interface Science*, **2016**, 462, 29-41	9.3	108
135	Myristic acid based imidazoline derivative as effective corrosion inhibitor for steel in 15% HCl medium. *Journal of Colloid and Interface Science*, **2019**, 551, 47-60	9.3	107
134	Inhibition of mild steel corrosion in HCl solution using chitosan. *Cellulose*, **2013**, 20, 2529-2545	5.5	104
133	A critical review on the recent studies on plant biomaterials as corrosion inhibitors for industrial metals. *Journal of Industrial and Engineering Chemistry*, **2019**, 76, 91-115	6.3	102
132	Synergistic and antagonistic effects between halide ions and carboxymethyl cellulose for the corrosion inhibition of mild steel in sulphuric acid solution. *Cellulose*, **2010**, 17, 635-648	5.5	102
131	The Inhibition of aluminium corrosion in hydrochloric acid solution by exudate gum from Raphia hookeri. *Desalination*, **2009**, 247, 561-572	10.3	101
130	Synergistic effect of iodide ion and polyacrylic acid on corrosion inhibition of iron in H2SO4 investigated by electrochemical techniques. *Corrosion Science*, **2010**, 52, 2422-2429	6.8	100
129	Performance Evaluation of a Chitosan/Silver Nanoparticles Composite on St37 Steel Corrosion in a 15% HCl Solution. *ACS Sustainable Chemistry and Engineering*, **2017**, 5, 809-820	8.3	99
128	Inhibition of mild steel corrosion in H2SO4 solution by coconut coir dust extract obtained from different solvent systems and synergistic effect of iodide ions: Ethanol and acetone extracts. *Journal of Environmental Chemical Engineering*, **2014**, 2, 1048-1060	6.8	95
127	Watermelon waste products as green corrosion inhibitors for mild steel in HCl solution. *Journal of Environmental Chemical Engineering*, **2015**, 3, 286-296	6.8	94
126	Corrosion inhibition by leaves and stem extracts of Sida acuta for mild steel in 1M H2SO4 solutions investigated by chemical and spectroscopic techniques. *Arabian Journal of Chemistry*, **2016**, 9, S209-S224	5.9	93
125	Exploration of Dextran for Application as Corrosion Inhibitor for Steel in Strong Acid Environment: Effect of Molecular Weight, Modification, and Temperature on Efficiency. *ACS Applied Materials & Interfaces*, **2018**, 10, 28112-28129	9.5	89
124	Inhibition of mild steel corrosion in HCl using pineapple leaves (Ananas comosus L.) extract. *Journal of Materials Science*, **2010**, 45, 5558-5566	4.3	81
123	Inhibition of aluminium and mild steel corrosion in acidic medium using Gum Arabic. *Cellulose*, **2008**, 15, 751-761	5.5	81
122	Synergistic inhibition effects between leaves and stem extracts of Sida acuta and iodide ion for mild steel corrosion in 1 M H2SO4 solutions. *Arabian Journal of Chemistry*, **2012**, 5, 325-337	5.9	79
121	Isoxazolidine derivatives as corrosion inhibitors for low carbon steel in HCl solution: experimental, theoretical and effect of KI studies.. *RSC Advances*, **2018**, 8, 1764-1777	3.7	77

120	Raphia hookeri gum as a potential eco-friendly inhibitor for mild steel in sulfuric acid. *Journal of Materials Science*, **2009**, 44, 274-279	4.3	74
119	Water-soluble polymers as corrosion inhibitors. *Pigment and Resin Technology*, **2006**, 35, 346-352	1	74
118	Leaves extract of Ananas sativum as green corrosion inhibitor for aluminium in hydrochloric acid solutions. *Green Chemistry Letters and Reviews*, **2010**, 3, 61-68	4.7	72
117	Spondias mombin L. as a green corrosion inhibitor for aluminium in sulphuric acid: Correlation between inhibitive effect and electronic properties of extracts major constituents using density functional theory. *Arabian Journal of Chemistry*, **2012**, 5, 361-373	5.9	71
116	Evaluation of chitosan and carboxymethyl cellulose as ecofriendly corrosion inhibitors for steel. *International Journal of Biological Macromolecules*, **2018**, 117, 1017-1028	7.9	70
115	Gum Arabic-silver nanoparticles composite as a green anticorrosive formulation for steel corrosion in strong acid media. *Carbohydrate Polymers*, **2018**, 181, 43-55	10.3	65
114	Inhibition of API 5L X60 steel corrosion in CO 2 -saturated 3.5% NaCl solution by tannic acid and synergistic effect of KI additive. *Journal of Molecular Liquids*, **2017**, 237, 146-156	6	63
113	l-Citrulline: An active corrosion inhibitor component of watermelon rind extract for mild steel in HCl medium. *Journal of the Taiwan Institute of Chemical Engineers*, **2015**, 51, 177-185	5.3	63
112	Studies of the anti-corrosive effect of Raphia hookeri exudate gum-halide mixtures for aluminium corrosion in acidic medium. *Pigment and Resin Technology*, **2008**, 37, 173-182	1	63
111	POLYVINYLPYROLLIDONE AND POLYACRYLAMIDE AS CORROSION INHIBITORS FOR MILD STEEL IN ACIDIC MEDIUM. *Surface Review and Letters*, **2008**, 15, 277-286	1.1	63
110	Recent Developments on the Use of Polymers as Corrosion Inhibitors - A Review. *Open Materials Science Journal*, **2014**, 8, 39-54		62
109	Polyethylene glycol and polyvinyl alcohol as corrosion inhibitors for aluminium in acidic medium. *Journal of Applied Polymer Science*, **2007**, 105, 3363-3370	2.9	61
108	Effect of halide ions on the corrosion inhibition of aluminium in alkaline medium using polyvinyl alcohol. *Journal of Applied Polymer Science*, **2007**, 103, 2810-2816	2.9	57
107	INHIBITION OF MILD STEEL CORROSION IN H2SO4 USING EXUDATE GUM FROM PACHYLOBUS EDULIS AND SYNERGISTIC POTASSIUM HALIDE ADDITIVES. *Chemical Engineering Communications*, **2010**, 197, 1339-1356	2.2	55
106	Corrosion Inhibition of Aluminium Using Exudate Gum fromPachylobus edulisin the Presence of Halide Ions in HCl. *E-Journal of Chemistry*, **2008**, 5, 355-364		55
105	Pyrazine derivatives as green oil field corrosion inhibitors for steel. *Journal of Molecular Liquids*, **2019**, 277, 749-761	6	55
104	Inhibition of mild steel corrosion in acidic medium using coconut coir dust extracted from water and methanol as solvents. *Journal of Industrial and Engineering Chemistry*, **2014**, 20, 3612-3622	6.3	53
103	Effect of polyacrylic acid on the corrosion behaviour of aluminium in sulphuric acid solution. *Journal of Solid State Electrochemistry*, **2010**, 14, 2293-2305	2.6	53

102	Enhanced corrosion inhibition effect of chitosan for St37 in 15% HSO environment by silver nanoparticles. *International Journal of Biological Macromolecules*, **2017**, 104, 638-649	7.9	52
101	Poly(methacrylic acid)/silver nanoparticles composites: In-situ preparation, characterization and anticorrosion property for mild steel in H2SO4 solution. *Journal of Molecular Liquids*, **2015**, 212, 340-351	6	52
100	Progress in the development of sour corrosion inhibitors: Past, present, and future perspectives. *Journal of Industrial and Engineering Chemistry*, **2019**, 79, 1-18	6.3	51
99	Polypropylene glycol: A novel corrosion inhibitor for 60 pipeline steel in 15% HCl solution. *Journal of Molecular Liquids*, **2016**, 219, 946-958	6	49
98	Effect of halide ions on the corrosion inhibition of mild steel in acidic medium using polyvinyl alcohol. *Pigment and Resin Technology*, **2006**, 35, 284-292	1	48
97	Exploration of natural polymers for use as green corrosion inhibitors for AZ31 magnesium alloy in saline environment. *Carbohydrate Polymers*, **2020**, 230, 115466	10.3	48
96	Comparative studies on the corrosion inhibition efficacy of ethanolic extracts of date palm leaves and seeds on carbon steel corrosion in 15% HCl solution. *Journal of Adhesion Science and Technology*, **2018**, 32, 1934-1951	2	47
95	Performance evaluation of poly (methacrylic acid) as corrosion inhibitor in the presence of iodide ions for mild steel in H2SO4 solution. *Journal of Adhesion Science and Technology*, **2015**, 29, 1060-1080	2	44
94	N-acetyl cysteine based corrosion inhibitor formulations for steel protection in 15% HCl solution. *Journal of Molecular Liquids*, **2017**, 246, 112-118	6	43
93	Synergistic inhibition of St37 steel corrosion in 15% H2SO4 solution by chitosan and iodide ion additives. *Cellulose*, **2017**, 24, 931-950	5.5	41
92	Synthesis, characterization, and utilization of a diallylmethylamine-based cyclopolymer for corrosion mitigation in simulated acidizing environment. *Materials Science and Engineering C*, **2019**, 100, 897-914	8.3	41
91	Synergistic effect of halide ions on the corrosion inhibition of aluminum in acidic medium by some polymers. *Journal of Applied Polymer Science*, **2006**, 100, 2889-2894	2.9	40
90	Corrosion inhibition of N80 steel in simulated acidizing environment by N-(2-(2-pentadecyl-4,5-dihydro-1H-imidazol-1-YL) ethyl) palmitamide. *Journal of Molecular Liquids*, **2019**, 273, 476-487	6	40
89	Enhanced corrosion inhibition effect of polypropylene glycol in the presence of iodide ions at mild steel/sulphuric acid interface. *Journal of Environmental Chemical Engineering*, **2015**, 3, 1812-1826	6.8	39
88	Surface protection of mild steel using benzimidazole derivatives: experimental and theoretical approach. *Journal of Adhesion Science and Technology*, **2015**, 29, 2130-2152	2	37
87	Coconut coir dust extract: a novel eco-friendly corrosion inhibitor for Al in HCl solutions. *Green Chemistry Letters and Reviews*, **2012**, 5, 303-313	4.7	37
86	Effect of degree of hydrolysis of polyvinyl alcohol on the corrosion inhibition of steel: theoretical and experimental studies. *Journal of Adhesion Science and Technology*, **2015**, 29, 271-295	2	36
85	Effect of akyl chain length, flow, and temperature on the corrosion inhibition of carbon steel in a simulated acidizing environment by an imidazoline-based inhibitor. *Journal of Petroleum Science and Engineering*, **2020**, 187, 106801	4.4	36

84	Synergistic inhibition effect of polyethylene glycol–polyvinyl pyrrolidone blends for mild steel corrosion in sulphuric acid medium. *Journal of Applied Polymer Science*, **2011**, 119, 2072-2084	2.9	35
83	Electrochemical and gravimetric measurements of inhibition of aluminum corrosion by poly (methacrylic acid) in H2SO4 solution and synergistic effect of iodide ions. *Measurement: Journal of the International Measurement Confederation*, **2015**, 76, 104-116	4.6	34
82	Process optimization for the application of carbon from plantain peels in dye abstractionPeer review under responsibility of Taibah University.View all notes. *Journal of Taibah University for Science*, **2017**, 11, 173-185	3	33
81	Cyclodextrin-based functionalized graphene oxide as an effective corrosion inhibitor for carbon steel in acidic environment. *Progress in Organic Coatings*, **2019**, 128, 157-167	4.8	33
80	Biomaterials for corrosion protection: evaluation of mustard seed extract as eco-friendly corrosion inhibitor for X60 steel in acid media. *Journal of Adhesion Science and Technology*, **2016**, 30, 1858-1879	2	32
79	Effect of addition of CeO2 nanoparticles to pectin as inhibitor of X60 steel corrosion in HCl medium. *Journal of Molecular Liquids*, **2016**, 224, 72-82	6	32
78	Experimental and Theoretical Studies of Red Apple Fruit Extract as Green Corrosion Inhibitor for Mild Steel in HCl Solution. *Journal of Dispersion Science and Technology*, **2015**, 36, 789-802	1.5	31
77	Synthesis, characterization and anticorrosion property of olive leaves extract-titanium nanoparticles composite. *Journal of Adhesion Science and Technology*, **2018**, 32, 1773-1794	2	30
76	Alternative corrosion inhibitor formulation for carbon steel in CO2-saturated brine solution under high turbulent flow condition for use in oil and gas transportation pipelines. *Corrosion Science*, **2019**, 159, 108140	6.8	29
75	ADSORPTION AND KINETIC STUDIES ON THE INHIBITION POTENTIAL OF FLUCONAZOLE FOR THE CORROSION OF Al IN HCl SOLUTION. *Chemical Engineering Communications*, **2011**, 198, 711-725	2.2	29
74	Influence of iron microstructure on the performance of polyacrylic acid as corrosion inhibitor in sulfuric acid solution. *Corrosion Science*, **2011**, 53, 1778-1785	6.8	29
73	Adsorption and corrosive inhibitive properties of Vigna unguiculata in alkaline and acidic media. *Pigment and Resin Technology*, **2008**, 37, 98-105	1	28
72	Comparative Studies of the Corrosion Inhibition Efficacy of a Dicationic Monomer and Its Polymer against API X60 Steel Corrosion in Simulated Acidizing Fluid under Static and Hydrodynamic Conditions. *ACS Omega*, **2020**, 5, 27057-27071	3.9	26
71	Adsorption and corrosion inhibition characteristics of strawberry fruit extract at steel/acids interfaces: experimental and theoretical approaches. *Ionics*, **2015**, 21, 1171-1186	2.7	25
70	Synergistic corrosion inhibition effect of 1-ethyl-1-methylpyrrolidinium tetrafluoroborate and iodide ions for low carbon steel in HCl solution. *Journal of Adhesion Science and Technology*, **2016**, 30, 2383-2403	2	25
69	Comparative Study of the Corrosion Inhibition Efficacy of Polypropylene Glycol and Poly (Methacrylic Acid) for Mild Steel in Acid Solution. *Journal of Dispersion Science and Technology*, **2015**, 36, 1721-1735	1.5	24
68	Effect of polyvinylpyrrolidone–polyethylene glycol blends on the corrosion inhibition of aluminium in HCl solution. *Pigment and Resin Technology*, **2014**, 43, 299-313	1	24
67	Electrochemical noise (EN) technique: review of recent practical applications to corrosion electrochemistry research. *Journal of Adhesion Science and Technology*, **2019**, 33, 1453-1496	2	23

66	Performance assessment of poly (methacrylic acid)/silver nanoparticles composite as corrosion inhibitor for aluminium in acidic environment. *Journal of Adhesion Science and Technology*, **2015**, 29, 2311-2333	2.2	22
65	Studies on the utilization of Hura crepitans L. seed oil in the preparation of alkyd resins. *Industrial Crops and Products*, **2012**, 36, 94-99	5.9	22
64	Vanillin modified chitosan as a new bio-inspired corrosion inhibitor for carbon steel in oil-well acidizing relevant to petroleum industry. *Cellulose*, **2020**, 27, 6425-6443	5.5	22
63	Corrosion inhibition by amitriptyline and amitriptyline based formulations for steels in simulated pickling and acidizing media. *Journal of Petroleum Science and Engineering*, **2019**, 174, 984-996	4.4	21
62	Eco-friendly 2-Thiobarbituric acid as a corrosion inhibitor for API 5L X60 steel in simulated sweet oilfield environment: Electrochemical and surface analysis studies. *Scientific Reports*, **2019**, 9, 830	4.9	20
61	Date palm (Phoenix dactylifera) leaf extract as an eco-friendly corrosion inhibitor for carbon steel in 1M hydrochloric acid solution. *Anti-Corrosion Methods and Materials*, **2015**, 62, 19-28	0.8	20
60	Polypropylene Glycol-Silver Nanoparticle Composites: A Novel Anticorrosion Material for Aluminum in Acid Medium. *Journal of Materials Engineering and Performance*, **2015**, 24, 4206-4218	1.6	20
59	Corrosion inhibition effect of a benzimidazole derivative on heat exchanger tubing materials during acid cleaning of multistage flash desalination plants. *Desalination*, **2020**, 479, 114283	10.3	20
58	Influence of 1-butyl-1-methylpiperidinium tetrafluoroborate on St37 steel dissolution behavior in HCl environment. *Chemical Engineering Communications*, **2018**, 205, 538-548	2.2	19
57	Studies of the anticorrosion property of a newly synthesized Green isoxazolidine for API 5L X60 steel in acid environment. *Journal of Materials Research and Technology*, **2019**, 8, 4399-4416	5.5	19
56	Influence of Molecular Weight on Mild Steel Corrosion Inhibition Effect by Polyvinyl Alcohol in Hydrochloric Acid Solution. *Journal of Dispersion Science and Technology*, **2014**, 35, 1181-1190	1.5	18
55	High temperature sweet corrosion and inhibition in the oil and gas industry: Progress, challenges and future perspectives. *Journal of Petroleum Science and Engineering*, **2020**, 185, 106469	4.4	17
54	Synthesis, characterization and electrochemical evaluation of anticorrosion property of a tetrapolymer for carbon steel in strong acid media. *Chinese Journal of Chemical Engineering*, **2019**, 27, 965-978	3.2	16
53	Production of Cellulosic Polymers from Agricultural Wastes. *E-Journal of Chemistry*, **2008**, 5, 81-85		16
52	Effect of aluminium microstructure on corrosion and inhibiting effect of polyacrylic acid in H2SO4 solution. *Journal of Applied Electrochemistry*, **2011**, 41, 307-315	2.6	15
51	Elucidation of mechanism of corrosion inhibition by polyacrylic acid and synergistic action with iodide ions by in-situ AFM. *Journal of Adhesion Science and Technology*, **2014**, 28, 31-37	2	14
50	Synergistic effect of halide ions and polyethylene glycol on the corrosion inhibition of aluminium in alkaline medium. *Journal of Applied Polymer Science*, **2009**, 113, 3533-3543	2.9	14
49	Development of a green corrosion inhibitor for use in acid cleaning of MSF desalination plant. *Desalination*, **2020**, 495, 114675	10.3	14

48	Inhibitive effect of 1-[(2-hydroxyethyl) amino]-2-(salicylideneamino)ethane toward corrosion of carbon steel in CO2-saturated 3.0% NaCl solution. *Journal of Adhesion Science and Technology*, **2016**, 30, 89-103	2	13
47	Preparation and characterization of Pectin/Polypyrrole based multifunctional coatings on TiNbZr alloy for orthopaedic applications. *Carbohydrate Polymers*, **2020**, 242, 116285	10.3	13
46	Synergistic Inhibition Between Polyvinylpyrollidone and Iodide Ions on Corrosion of Aluminium in HCl~!2008-10-03~!2008-11-08~!2009-01-06~!. *The Open Corrosion Journal*, **2009**, 2, 1-7		13
45	Evaluation of the corrosion inhibition efficacy of Cola acuminata extract for low carbon steel in simulated acid pickling environment. *Environmental Science and Pollution Research*, **2020**, 27, 34270-34288	5.1	11
44	Synergistic inhibition of aluminium corrosion in H2SO4 solution by polypropylene glycol in the presence of iodide ions. *Pigment and Resin Technology*, **2016**, 45, 280-293	1	10
43	Complexes of Imidazole with Poly(ethylene glycol) as a Corrosion Inhibitor for Carbon Steel in Sulphuric Acid. *Journal of Materials Engineering and Performance*, **2015**, 24, 4696-4709	1.6	9
42	Humic Acid from Livestock Dung: Ecofriendly Corrosion Inhibitor for 3SR Aluminum Alloy in Alkaline Medium. *Chemical Engineering Communications*, **2015**, 202, 206-216	2.2	9
41	Chemical and spectrophotometric studies of naphthol dye as an inhibitor for aluminium alloy corrosion in binary alkaline medium. *Geosystem Engineering*, **2013**, 16, 146-155	1.2	9
40	Synergistic inhibition between 1-octadecanethiol and iodide ions on X60 pipeline steel for corrosion protection. *Journal of Adhesion Science and Technology*, **2014**, 28, 2054-2068	2	9
39	Effluents and Solid Waste Analysis in a Petrochemical Company- A Case Study of Eleme Petrochemical Company Ltd, Port Harcourt, Nigeria. *E-Journal of Chemistry*, **2008**, 5, 74-80		9
38	Simultaneous adsorption of lead (II) and 3,7-Bis(dimethylamino)-phenothiazin-5-ium chloride from aqueous solution by activated carbon prepared from plantain peels. *Desalination and Water Treatment*, **2016**, 57, 6540-6553		8
37	Green synthesis, characterization and antibacterial activities of silver nanoparticles from strawberry fruit extract. *Polish Journal of Chemical Technology*, **2017**, 19, 128-136	1	7
36	CORROSION INHIBITION OF ALUMINUM ALLOY 3SR IN HCl BY POLYVINYLPYRROLIDONE AND POLYACRYLAMIDE: EFFECT OF MOLECULAR STRUCTURE ON INHIBITION EFFICIENCY. *Surface Review and Letters*, **2009**, 16, 831-844	1.1	7
35	Preparation of Silver/Chitosan Nanofluids Using Selected Plant Extracts: Characterization and Antimicrobial Studies Against Gram-Positive and Gram-Negative Bacteria. *Materials*, **2020**, 13,	3.5	6
34	PREPARATION AND CHARACTERIZATION OF BIODEGRADABLE POLYMER MUD BASED ON MILLET STARCH. *Chemical Engineering Communications*, **2010**, 197, 1126-1139	2.2	6
33	Effect of Intensifier Additives on the Performance of Butanolic Extract of Date Palm Leaves against the Corrosion of API 5L X60 Carbon Steel in 15 wt.% HCl Solution. *Sustainability*, **2021**, 13, 5569	3.6	6
32	Polymeric Corrosion Inhibitors for Oil and Gas Industry **2020**, 303-320		5
31	Date palm leaves extract as a green and sustainable corrosion inhibitor for low carbon steel in 15 wt.% HCl solution: the role of extraction solvent on inhibition effect. *Environmental Science and Pollution Research*, **2021**, 28, 40879-40894	5.1	5

30	Synthesis and characterization of Luffa cylindrica fatty acids-based alkyd resins. *Research on Chemical Intermediates*, **2016**, 42, 2177-2189	2.8	4
29	12th International Dendritic Cell Symposium, October 7-11, 2012; Daegu, Korea: New Paradigm of Dendritic Cell Science and Application. *OncoImmunology*, **2013**, 2, e23245	7.2	4
28	Corrosion Inhibitors for Sour Oilfield Environment (H2S Corrosion) **2020**, 229-254		3
27	New Constituents from the Leaves of Date Palm (L.) of Saudi Origin. *Molecules*, **2021**, 26,	4.8	3
26	Corrosion Inhibitors for Acidizing Process in Oil and Gas Sectors **2020**, 151-176		2
25	Improved Performance of 1-Ethyl-3-Methylimidazolium Tetrafluoroborate at Steel/HCl Interface by Iodide Ions. *Journal of Bio- and Tribo-Corrosion*, **2018**, 4, 1	2.9	2
24	Corrosion Inhibitors for Sweet Oilfield Environment (CO 2 Corrosion) **2020**, 177-227		1
23	Elucidation of corrosion inhibition property of compounds isolated from Butanolic Date Palm Leaves extract for low carbon steel in 15% HCl solution: Experimental and theoretical approaches. *Journal of Molecular Liquids*, **2022**, 356, 119002	6	1
22	Fundamentals of corrosion inhibition **2022**, 103-127		1
21	Chemical Additives for Corrosion Control in Desalination Plants **2020**, 191-207		0
20	Aspartame as a Green and Effective Corrosion Inhibitor for T95 Carbon Steel in 15 wt.% HCl Solution. *Sustainability*, **2022**, 14, 6500	3.6	0
19	Polypropylene (PP)/Starch-Based Biocomposites and Bionanocomposites **2017**, 55-83		
18	Biopolymer Composites and Nanocomposites for Corrosion Protection of Industrial Metal Substrates **2021**, 16-31		
17	Conducting polymers **2022**, 443-466		
16	Copolymers **2022**, 489-519		
15	Basic concepts of corrosion **2022**, 83-102		
14	Chitosan **2022**, 131-153		
13	Alginate and its derivatives **2022**, 271-286		

12 Chitosan derivatives **2022**, 155-185

11 Acrylic polymers **2022**, 343-372

10 Natural gums and their derivatives **2022**, 209-236

9 Mechanism of corrosion inhibition by polymers **2022**, 565-589

8 Polyethers **2022**, 399-417

7 Polyglycols **2022**, 325-342

6 Pectin and derivatives **2022**, 255-269

5 Cellulose and its derivatives **2022**, 187-207

4 Resin based polymers **2022**, 419-441

3 Vinyl polymers **2022**, 373-398

2 Other natural gums and gum modifications **2022**, 237-254

1 Other natural polymers: gelatin, dextrin, and dextran **2022**, 303-322