

Mohamed Migahed

List of Publications by Year in descending order

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37
papers

2,172
citations

172457

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docs citations

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times ranked

1264
citing authors

#	ARTICLE	IF	CITATIONS
1	Corrosion inhibition of Tubing steel during acidization of oil and gas wells. <i>Electrochimica Acta</i> , 2008, 53, 2877-2882.	5.2	191
2	Electrochemical investigation of the corrosion behaviour of mild steel in 2M HCl solution in presence of 1-dodecyl-4-methoxy pyridinium bromide. <i>Materials Chemistry and Physics</i> , 2005, 93, 48-53.	4.0	136
3	Corrosion inhibition of H-11 type carbon steel in 1 M hydrochloric acid solution by N-propyl amino lauryl amide and its ethoxylated derivatives. <i>Materials Chemistry and Physics</i> , 2003, 80, 169-175.	4.0	133
4	Effectiveness of some non ionic surfactants as corrosion inhibitors for carbon steel pipelines in oil fields. <i>Electrochimica Acta</i> , 2005, 50, 4683-4689.	5.2	133
5	Reactivity of polyester aliphatic amine surfactants as corrosion inhibitors for carbon steel in formation water (deep well water). <i>Corrosion Science</i> , 2006, 48, 813-828.	6.6	117
6	Potentiometric determination of cetylpyridinium chloride using a new type of screen-printed ion selective electrodes. <i>Analytica Chimica Acta</i> , 2010, 673, 79-87.	5.4	99
7	Effectiveness of some diquatery ammonium surfactants as corrosion inhibitors for carbon steel in 0.5M HCl solution. <i>Corrosion Science</i> , 2010, 52, 2122-2132.	6.6	97
8	Corrosion inhibition of mild steel in 1 M sulfuric acid solution using anionic surfactant. <i>Materials Chemistry and Physics</i> , 2004, 85, 273-279.	4.0	91
9	BENEFICIAL ROLE OF SURFACTANTS AS CORROSION INHIBITORS IN PETROLEUM INDUSTRY: A REVIEW ARTICLE. <i>Chemical Engineering Communications</i> , 2009, 196, 1054-1075.	2.6	87
10	Synthesis of a new family of Schiff base nonionic surfactants and evaluation of their corrosion inhibition effect on X-65 type tubing steel in deep oil wells formation water. <i>Materials Chemistry and Physics</i> , 2011, 125, 125-135.	4.0	80
11	Synthesis, characterization of polyaspartic acid-glycine adduct and evaluation of their performance as scale and corrosion inhibitor in desalination water plants. <i>Journal of Molecular Liquids</i> , 2016, 224, 849-858.	4.9	77
12	Synergistic inhibition effect between Cu ²⁺ and cationic gemini surfactant on the corrosion of downhole tubing steel during secondary oil recovery of old wells. <i>Corrosion Science</i> , 2012, 61, 10-18.	6.6	64
13	Synthesis and evaluation of a new water soluble corrosion inhibitor from recycled poly(ethylene Terephthalate) (PET) waste. <i>Journal of Molecular Liquids</i> , 2015, 211, 915-923.	4.0	59
14	Electrochemical behaviour of carbon steel in acid chloride solution in the presence of dodecyl cysteine hydrochloride self-assembled on gold nanoparticles. <i>Corrosion Science</i> , 2009, 51, 1636-1644.	6.6	57
15	Inhibition of carbon steel corrosion in acidic solution using some newly polyester derivatives. <i>Journal of Molecular Liquids</i> , 2015, 211, 915-923.	4.9	53
16	Synthesis of some quaternary ammonium gemini surfactants and evaluation of their performance as corrosion inhibitors for carbon steel in oil well formation water containing sulfide ions. <i>RSC Advances</i> , 2015, 5, 104480-104492.	3.6	52
17	Septonex [®] tetraphenylborate screen-printed ion selective electrode for the potentiometric determination of Septonex in pharmaceutical preparations. <i>Analyst</i> , 2011, 136, 1488.	3.5	51
18	New Screen-Printed Ion-Selective Electrodes for Potentiometric Titration of Cetyltrimethylammonium Bromide in Different Civilic Media. <i>Electroanalysis</i> , 2010, 22, 2587-2599.	2.9	50

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19	Quantum chemical calculations, synthesis and corrosion inhibition efficiency of ethoxylated-[2-(2-{2-[2-(2-benzenesulfonylamino-ethylamino)-ethylamino]-ethylamino)-ethyl]-4-alkyl-benzenesulfonamide on API X65 steel surface under H ₂ S environment. <i>Journal of Molecular Liquids</i> , 2015, 212, 360-371.	4.0	40
20	Novel screen-printed electrode for the determination of dodecyltrimethylammonium bromide in water samples. <i>Drug Testing and Analysis</i> , 2012, 4, 1009-1013.	2.6	44
21	Impact of gamma-ray-pre-irradiation on the efficiency of corrosion inhibition of some novel polymeric surfactants. <i>Corrosion Science</i> , 2004, 46, 2503-2516.	6.6	40
22	Study on the efficiency of some amine derivatives as corrosion and scale inhibitors in cooling water systems. <i>RSC Advances</i> , 2015, 5, 57254-57262.	3.6	40
23	Corrosion control in the tubing steel of oil wells during matrix acidizing operations. <i>RSC Advances</i> , 2016, 6, 71384-71396.	3.6	38
24	CORROSION INHIBITION OF STEEL PIPELINES IN OIL WELL FORMATION WATER BY A NEW FAMILY OF NONIONIC SURFACTANTS. <i>Chemical Engineering Communications</i> , 2012, 199, 1335-1356.	2.6	37
25	Synthesis, Characterization, Surface and Biological Activity of Diquaternary Cationic Surfactants Containing Ester Linkage. <i>Journal of Surfactants and Detergents</i> , 2016, 19, 119-128.	2.1	36
26	Thiazole Ionic Liquid as Corrosion Inhibitor of Steel in 1M HCl Solution: Gravimetric, Electrochemical, and Theoretical Studies. <i>Journal of Bio- and Tribo-Corrosion</i> , 2019, 5, 1.	2.6	36
27	Corrosion inhibition of steel pipelines in oil fields by N,N-di(poly oxy ethylene) amino propyl lauryl amide. <i>Progress in Organic Coatings</i> , 2005, 54, 91-98.	3.9	35
28	Corrosion inhibition of carbon steel in acid chloride solution using ethoxylated fatty alkyl amine surfactants. <i>Journal of Applied Electrochemistry</i> , 2006, 36, 395-402.	2.9	32
29	Novel Ionic Liquid Compound Act as Sweet Corrosion Inhibitors for X-65 Carbon Tubing Steel: Experimental and Theoretical Studies. <i>Journal of Bio- and Tribo-Corrosion</i> , 2017, 3, 1.	2.6	30
30	A New Screen-printed Ion Selective Electrode for Determination of Citalopram Hydrobromide in Pharmaceutical Formulation. <i>Chinese Journal of Analytical Chemistry</i> , 2014, 42, 565-572.	1.7	28
31	The synthesis and characterization of benzotriazole-based cationic surfactants and the evaluation of their corrosion inhibition efficiency on copper in seawater. <i>RSC Advances</i> , 2019, 9, 27069-27082.	3.6	18
32	A New Family of Surfactants: Part I: Synthesis of Ethoxylated Monoalkyl Bisphenol and Their Investigation as Corrosion Inhibitors. <i>Journal of Dispersion Science and Technology</i> , 2008, 29, 161-170.	2.4	16
33	Corrosion Inhibition Behavior of Synthesized Imidazolium Ionic Liquids for Carbon Steel in Deep Oil Wells Formation Water. <i>Journal of Bio- and Tribo-Corrosion</i> , 2017, 3, 1.	2.6	16
34	Synthesis, characterization of some ethoxylated tolyltriazole derivatives and evaluation of their performance as corrosion inhibitors for Cu-10Al alloy in seawater. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 3741-3752.	6.7	15
35	CORROSION INHIBITION OF CARBON STEEL DURING ACID CLEANING PROCESS BY A NEW SYNTHESIZED POLYAMIDE BASED ON THIOUREA. <i>Chemical Engineering Communications</i> , 2012, 199, 737-750.	2.6	14
36	Synthesized polyaspartic acid derivatives as corrosion and scale inhibitors in desalination operations. <i>Cogent Engineering</i> , 2017, 4, 1366255.	2.2	12

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37	Corrosion Control of Cu-10Al-10Ni and Cu-10Al-10Zn Alloys in Seawater Environment by Some Ethoxylated Tolyltriazole Derivatives. Zeitschrift Fur Physikalische Chemie, 2017, 231, 1179-1209.	2.8	11