

Salah M Tawfik

List of Publications by Year in descending order

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67
papers

2,525
citations

147566

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docs citations

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times ranked

2130
citing authors

#	ARTICLE	IF	CITATIONS
1	Corrosion inhibition efficiency and surface activity of benzothiazol-3-ium cationic Schiff base derivatives in hydrochloric acid. <i>Corrosion Science</i> , 2010, 52, 3523-3536.	3.0	156
2	Novel isoxazolium cationic Schiff base compounds as corrosion inhibitors for carbon steel in hydrochloric acid. <i>Corrosion Science</i> , 2011, 53, 3566-3575.	3.0	126
3	Corrosion inhibition and Biocidal effect of some cationic surfactants based on Schiff base. <i>Journal of Industrial and Engineering Chemistry</i> , 2013, 19, 2004-2009.	2.9	105
4	Ionic liquids based gemini cationic surfactants as corrosion inhibitors for carbon steel in hydrochloric acid solution. <i>Journal of Molecular Liquids</i> , 2016, 216, 624-635.	2.3	104
5	Preparation and characterization of chitosan-clay nanocomposites for the removal of Cu(II) from aqueous solution. <i>International Journal of Biological Macromolecules</i> , 2016, 89, 507-517.	3.6	92
6	Synthesis, surface, biological activity and mixed micellar phase properties of some biodegradable gemini cationic surfactants containing oxycarbonyl groups in the lipophilic part. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 28, 171-183.	2.9	81
7	Synthesis, characterization and anticorrosion potentials of chitosan-g-PEG assembled on silver nanoparticles. <i>International Journal of Biological Macromolecules</i> , 2016, 83, 297-305.	3.6	80
8	Studying surface and thermodynamic behavior of a new multi-hydroxyl Gemini cationic surfactant and investigating their performance as corrosion inhibitor and biocide. <i>Journal of Molecular Liquids</i> , 2020, 316, 113881.	2.3	65
9	Multiple Emitting Amphiphilic Conjugated Polythiophenes-Coated CdTe QDs for Picogram Detection of Trinitrophenol Explosive and Application Using Chitosan Film and Paper-Based Sensor Coupled with Smartphone. <i>Advanced Science</i> , 2019, 6, 1801467.	5.6	64
10	Alginate surfactant derivatives as an ecofriendly corrosion inhibitor for carbon steel in acidic environments. <i>RSC Advances</i> , 2015, 5, 104535-104550.	1.7	63
11	Gravimetric and electrochemical evaluation of three nonionic dithiol surfactants as corrosion inhibitors for mild steel in 1 M HCl solution. <i>Journal of Molecular Liquids</i> , 2016, 216, 392-400.	2.3	62
12	Corrosion inhibition efficiency and adsorption behavior of N,N-dimethyl-4-(((1-methyl-2-phenyl-2,3-dihydro-1H-pyrazol-4-yl)imino)methyl)-N-alkylbenzenaminium bromide surfactant at carbon steel/hydrochloric acid interface. <i>Journal of Molecular Liquids</i> , 2015, 207, 185-194.	2.3	59
13	Synthesis, surface and thermodynamic parameters of some biodegradable nonionic surfactants derived from tannic acid. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 393, 96-104.	2.3	58
14	Surface, thermodynamic and biological activities of some synthesized Gemini quaternary ammonium salts based on polyethylene glycol. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 30, 112-119.	2.9	55
15	Recent Advances in Nanomicelles Delivery Systems. <i>Nanomaterials</i> , 2021, 11, 70.	1.9	55
16	Characterization, surface properties and biological activity of some synthesized anionic surfactants. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 4463-4472.	2.9	53
17	Corrosion Inhibition by Some Cationic Surfactants in Oil Fields. <i>Journal of Surfactants and Detergents</i> , 2012, 15, 577-585.	1.0	52
18	Synthesis, Surface, Thermodynamic Properties of Some Biodegradable Vanillin-Modified Polyoxyethylene Surfactants. <i>Journal of Surfactants and Detergents</i> , 2012, 15, 735-743.	1.0	52

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19	Three gemini cationic surfactants as biodegradable corrosion inhibitors for carbon steel in HCl solution. <i>Research on Chemical Intermediates</i> , 2016, 42, 1101-1123.	1.3	51
20	Dual emission nonionic molecular imprinting conjugated polythiophenes-based paper devices and their nanofibers for point-of-care biomarkers detection. <i>Biosensors and Bioelectronics</i> , 2020, 160, 112211.	5.3	51
21	Enhancing of Corrosion Inhibition and the Biocidal Effect of Phosphonium Surfactant Compounds for Oil Field Equipment. <i>Journal of Surfactants and Detergents</i> , 2014, 17, 391-401.	1.0	50
22	Synthesis and Evaluation of Some Triazole Derivatives as Corrosion Inhibitors and Biocides. <i>Journal of Surfactants and Detergents</i> , 2014, 17, 483-491.	1.0	48
23	Novel "turn off-on" sensors for highly selective and sensitive detection of spermine based on heparin-quenching of fluorescence CdTe quantum dots-coated amphiphilic thiophene copolymers. <i>Sensors and Actuators B: Chemical</i> , 2018, 257, 734-744.	4.0	46
24	Screening for Potential Antimicrobial Activities of Some Cationic Uracil Biocides Against Wide-Spreading Bacterial Strains. <i>Journal of Surfactants and Detergents</i> , 2010, 13, 503-511.	1.0	43
25	Biocidal and anti-corrosive activities of benzoimidazolium cationic Schiff base surfactants. <i>Engineering in Life Sciences</i> , 2011, 11, 496-510.	2.0	43
26	Synthesis, characterization and evaluation of some anionic surfactants with phosphate group as a biodegradable corrosion inhibitor for carbon steel in acidic solution. <i>Journal of Molecular Liquids</i> , 2016, 215, 185-196.	2.3	41
27	Simple one step synthesis of nonionic dithiol surfactants and their self-assembling with silver nanoparticles: Characterization, surface properties, biological activity. <i>Applied Surface Science</i> , 2015, 342, 144-153.	3.1	40
28	Simple one step synthesis of gemini cationic surfactant-based ionic liquids: Physicochemical, surface properties and biological activity. <i>Journal of Molecular Liquids</i> , 2015, 209, 320-326.	2.3	39
29	Phospholipase A2-Responsive Phosphate Micelle-Loaded UCNPs for Bioimaging of Prostate Cancer Cells. <i>Scientific Reports</i> , 2017, 7, 16073.	1.6	39
30	Naturally modified nonionic alginate functionalized upconversion nanoparticles for the highly efficient targeted pH-responsive drug delivery and enhancement of NIR-imaging. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 57, 424-435.	2.9	39
31	Enhanced fluorescence of CdTe quantum dots capped with a novel nonionic alginate for selective optosensing of ibuprofen. <i>Sensors and Actuators B: Chemical</i> , 2018, 256, 243-250.	4.0	36
32	Amide type nonionic surfactants: Synthesis and corrosion inhibition evaluation against carbon steel corrosion in acidic medium. <i>Journal of Molecular Liquids</i> , 2018, 256, 574-580.	2.3	32
33	Synthesis, characterization and biological activity of colloidal silver nanoparticles stabilized by gemini anionic surfactants. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 21, 1051-1057.	2.9	31
34	Synthesis, Surface Properties and Antimicrobial Activity of Some Germanium Nonionic Surfactants. <i>Journal of Oleo Science</i> , 2014, 63, 921-931.	0.6	29
35	Highly selective and sensitive detection of catecholamines using NaLuGdF ₄ :Yb ³⁺ /Er ³⁺ upconversion nanoparticles decorated with metal ions. <i>Sensors and Actuators B: Chemical</i> , 2019, 284, 172-178.	4.0	28
36	Corrosion inhibition performance of some Schiff base anionic surfactant complexes of cobalt(II), copper(II), and zinc(II) on carbon steel in 1.0M HCl. <i>Research on Chemical Intermediates</i> , 2015, 41, 8747-8772.	1.3	27

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37	Vanillin-derived non-ionic surfactants as green corrosion inhibitors for carbon steel in acidic environments. <i>Research on Chemical Intermediates</i> , 2016, 42, 3579-3607.	1.3	27
38	Synthesis, Surface and Thermodynamic Properties of Substituted Polytriethanolamine Nonionic Surfactants. <i>Journal of Surfactants and Detergents</i> , 2013, 16, 333-342.	1.0	26
39	Synthesis, characterization, surface and biocidal effect of some germinate nonionic surfactants. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 21, 1174-1182.	2.9	26
40	Effect of some prepared surfactants on silver nanoparticles formation and surface solution behavior and their biological activity. <i>Journal of Molecular Liquids</i> , 2018, 266, 381-392.	2.3	26
41	Benzothiazol-3-ium Cationic Schiff Base Surfactants: Synthesis, Surface Activity and Antimicrobial Applications against Pathogenic and Sulfur Reducing Bacteria in Oil Fields. <i>Journal of Dispersion Science and Technology</i> , 2011, 32, 512-518.	1.3	22
42	Synthesis and antimicrobial activity of polysaccharide alginate derived cationic surfactant-metal(II) complexes. <i>International Journal of Biological Macromolecules</i> , 2016, 82, 562-572.	3.6	22
43	Novel "turn on" paper sensor based on nonionic conjugated polythiophene-coated CdTe QDs for efficient visual detection of cholinesterase activity. <i>Analyst</i> , 2020, 145, 4305-4313.	1.7	22
44	Evaluation of Some Nonionic Surfactants Derived From Vanillin as Corrosion Inhibitors for Carbon Steel During Drilling Processes. <i>Journal of Surfactants and Detergents</i> , 2015, 18, 413-420.	1.0	21
45	Studies of Monolayer and Mixed Micelle Formation of Anionic and Nonionic Surfactants in the Presence of Adenosine-5-monophosphate. <i>Journal of Solution Chemistry</i> , 2012, 41, 335-350.	0.6	18
46	Synthesis, characterization, and in vitro antifungal activity of anionic and nonionic surfactants against crop pathogenic fungi. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 29, 163-171.	2.9	17
47	Recent advances on amphiphilic polymer-based fluorescence spectroscopic techniques for sensing and imaging. <i>Applied Spectroscopy Reviews</i> , 2019, 54, 204-236.	3.4	17
48	Three Gemini cationic surfactants based on polyethylene glycol as effective corrosion inhibitor for mild steel in acidic environment. <i>Journal of the Association of Arab Universities for Basic and Applied Sciences</i> , 2017, 24, 54-65.	1.0	15
49	Highly selective and sensitive optosensing of glutathione based on fluorescence resonance energy transfer of upconversion nanoparticles coated with a Rhodamine B derivative. <i>Arabian Journal of Chemistry</i> , 2020, 13, 2671-2679.	2.3	15
50	Highly selective fluorescent probe based on new coordinated cationic polyvinylpyrrolidone for hydrogen sulfide sensing in aqueous solution. <i>Journal of Molecular Liquids</i> , 2017, 247, 35-42.	2.3	14
51	Antipyrine cationic surfactants capping silver nanoparticles as potent antimicrobial agents against pathogenic bacteria and fungi. <i>Journal of Molecular Liquids</i> , 2017, 243, 572-583.	2.3	14
52	Ultrasensitive detection and removal of carbamazepine in wastewater using UCNPs functionalized with thin-shell MIPs. <i>Microchemical Journal</i> , 2021, 170, 106674.	2.3	14
53	Selective dual detection of Hg ²⁺ and TATP based on amphiphilic conjugated polythiophene-quantum dot hybrid materials. <i>Analyst</i> , 2021, 146, 2894-2901.	1.7	14
54	Synthesis, surface properties and biological activity of N,N,N-tris(hydroxymethyl)-2-oxo-2-(2-(2-(alkanoyloxy) ethoxy)ethoxy) ethanaminium chloride surfactants. <i>Egyptian Journal of Petroleum</i> , 2016, 25, 299-307.	1.2	12

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55	4-Aminoantipyrine derived cationic surfactants: Synthesis, characterization, surface activity and screening for potential antimicrobial activities. Egyptian Journal of Petroleum, 2018, 27, 327-334.	1.2	12
56	Evaluation of Some Nonionic Surfactants Derived from Tannic Acid as Additives for Water-Based Mud. Journal of Surfactants and Detergents, 2015, 18, 309-319.	1.0	10
57	Protection of carbon steel against corrosion in hydrochloric acid solution by some synthesized cationic surfactants. Protection of Metals and Physical Chemistry of Surfaces, 2016, 52, 339-347.	0.3	10
58	Solvent-resistant microfluidic paper-based analytical device/spray mass spectrometry for quantitative analysis of C ₁₈ -ceramide biomarker. Journal of Mass Spectrometry, 2021, 56, e4611.	0.7	10
59	Mitigation of eco-unfriendly and costly microbial induced corrosion using novel synthesized Schiff base cationic surfactants. Journal of Chemical Technology and Biotechnology, 2021, 96, 941-952.	1.6	10
60	Synthesis, Structure Characterization and Biological Activity of Co (II), Cu (II), and Zn (II) Complexes with (Z)-3-((3-hydroxybenzylidene)amino)pyridin-1-ium 4-(dodecan-4-yl)benzenesulfonate Surfactant. 9 Journal of Surfactants and Detergents, 2015, 18, 863-871.		9
61	Synthesis, characterization and antimicrobial activity of N,N-bis(hydroxymethyl)-N-[(2-mercaptoacetoxy)methyl]alkyl ammonium bromide surfactant and their Co(II), Zn(II) and Sn(II) complexes. Research on Chemical Intermediates, 2015, 41, 7925-7943.	1.3	7
62	Amphiphilic Conjugated Polythiophene-based Fluorescence Turn on Sensor for Selective Detection of Escherichia coli in Water and Milk. Bulletin of the Korean Chemical Society, 2021, 42, 1047-1053.	1.0	5
63	Quantum Chemical and Electrochemical Evaluation of Alkyl Phosphine Oxide in Corrosion Inhibition of Carbon Steel in Formation Water. Zeitschrift Fur Physikalische Chemie, 2019, 233, 1761-1785.	1.4	4
64	Synthesis, Characterization and Biological Activity of Iron (III) Oxide and Titanium (IV) Oxide Nanoparticle Dispersed Polyester Resin Nanocomposites. Arabian Journal for Science and Engineering, 2020, 45, 197-203.	1.7	4
65	Preparation, Properties, and Microbial Impact of Tungsten (VI) Oxide and Zinc (II) Oxide Nanoparticles Enriched Polyethylene Sebacate Nanocomposites. Polymers, 2021, 13, 718.	2.0	4
66	Highly sensitive and selective detection of Alprenolol using upconversion nanoparticles functionalized with amphiphilic conjugated polythiophene. Microchemical Journal, 2021, 164, 106010.	2.3	3
67	Synergistic interaction in cationic antipyrine/CTAB mixed systems at different phases. Journal of Dispersion Science and Technology, 0, , 1-11.	1.3	0