

Ali Abd-Elaal Ali Abd-Elaal

List of Publications by Year in descending order

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33
papers

1,383
citations

331259

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h-index

433756

31
g-index

33
all docs

33
docs citations

33
times ranked

1456
citing authors

#	ARTICLE	IF	CITATIONS
1	Advancement on modification of chitosan biopolymer and its potential applications. International Journal of Biological Macromolecules, 2020, 152, 681-702.	3.6	316
2	Corrosion inhibition and Biocidal effect of some cationic surfactants based on Schiff base. Journal of Industrial and Engineering Chemistry, 2013, 19, 2004-2009.	2.9	105
3	Preparation and characterization of chitosan-clay nanocomposites for the removal of Cu(II) from aqueous solution. International Journal of Biological Macromolecules, 2016, 89, 507-517.	3.6	92
4	Studying the corrosion inhibition of some prepared nonionic surfactants based on 3-(4-hydroxyphenyl) propanoic acid and estimating the influence of silver nanoparticles on the surface parameters. Journal of Molecular Liquids, 2018, 249, 304-317.	2.3	80
5	Thiol surfactant assembled on gold nanoparticles ion exchanger for screen-printed electrode fabrication. Potentiometric determination of Ce(III) in environmental polluted samples. Sensors and Actuators B: Chemical, 2014, 191, 192-203.	4.0	67
6	Gravimetric and electrochemical evaluation of three nonionic dithiol surfactants as corrosion inhibitors for mild steel in 1 M HCl solution. Journal of Molecular Liquids, 2016, 216, 392-400.	2.3	62
7	Surface, thermodynamic and biological activities of some synthesized Gemini quaternary ammonium salts based on polyethylene glycol. Journal of Industrial and Engineering Chemistry, 2015, 30, 112-119.	2.9	55
8	Three gemini cationic surfactants as biodegradable corrosion inhibitors for carbon steel in HCl solution. Research on Chemical Intermediates, 2016, 42, 1101-1123.	1.3	51
9	Enhancing of Corrosion Inhibition and the Biocidal Effect of Phosphonium Surfactant Compounds for Oil Field Equipment. Journal of Surfactants and Detergents, 2014, 17, 391-401.	1.0	50
10	Synthesis and Evaluation of Some Triazole Derivatives as Corrosion Inhibitors and Biocides. Journal of Surfactants and Detergents, 2014, 17, 483-491.	1.0	48
11	Simple one step synthesis of nonionic dithiol surfactants and their self-assembling with silver nanoparticles: Characterization, surface properties, biological activity. Applied Surface Science, 2015, 342, 144-153.	3.1	40
12	Studying the silver nanoparticles influence on thermodynamic behavior and antimicrobial activities of novel amide Gemini cationic surfactants. Materials Science and Engineering C, 2017, 76, 871-885.	3.8	38
13	Enhanced fluorescence of CdTe quantum dots capped with a novel nonionic alginate for selective optosensing of ibuprofen. Sensors and Actuators B: Chemical, 2018, 256, 243-250.	4.0	36
14	Amide type nonionic surfactants: Synthesis and corrosion inhibition evaluation against carbon steel corrosion in acidic medium. Journal of Molecular Liquids, 2018, 256, 574-580.	2.3	32
15	Synthesis, characterization and biological activity of colloidal silver nanoparticles stabilized by gemini anionic surfactants. Journal of Industrial and Engineering Chemistry, 2015, 21, 1051-1057.	2.9	31
16	Corrosion inhibition efficiency of synthesized poly 12-(3-amino phenoxy) dodecane-1-thiol surfactant assembled on silver nanoparticles. Egyptian Journal of Petroleum, 2013, 22, 293-303.	1.2	27
17	Synthesis and evaluation of silver nanoparticles loaded with Gemini surfactants: Surface and antimicrobial activity. Journal of Industrial and Engineering Chemistry, 2015, 24, 34-41.	2.9	27
18	Zinc(II) modified carbon paste electrodes based on self-assembled mercapto compounds-gold-nanoparticles for its determination in water samples. Journal of Industrial and Engineering Chemistry, 2014, 20, 3320-3328.	2.9	25

#	ARTICLE	IF	CITATIONS
19	Alcohol-Selective Oxidation in Water under Mild Conditions via a Novel Approach to Hybrid Composite Photocatalysts. <i>ChemistryOpen</i> , 2015, 4, 779-785.	0.9	24
20	Enhancement of the Surface Activity for Some Monomeric and Polymeric Thiol Surfactants Using Silver Nanoparticles. <i>Journal of Dispersion Science and Technology</i> , 2011, 32, 816-821.	1.3	22
21	Fabrication of chitosan/Ag-nanoparticles/clay nanocomposites for catalytic control on oxidative polymerization of aniline. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 510, 221-230.	2.3	22
22	Fluorescein dye derivatives and their nano hybrids: Synthesis, characterization and antimicrobial activity. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2016, 162, 421-433.	1.7	17
23	Enhancement the detection of Ni ²⁺ and Zn ²⁺ ions using nanostructure of synthesized dithiol surfactants with gold nanoparticles. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 3905-3912.	2.9	16
24	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
25	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
26	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
27	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
28	Detection of Heavy Metal Ions Using Synthesized Amino Thiol Surfactants Assembled on Gold Nanoparticles. <i>Journal of Dispersion Science and Technology</i> , 2014, 35, 175-184.	1.3	13
29	Screen printed ion selective electrodes based on self-assembled thiol surfactant-gold-nanoparticles for determination of Cu(II) in different water samples. <i>Microchemical Journal</i> , 2021, 160, 105693.	2.3	13
30	Synthesis and Surface Activity of Nonionic Surfactants Derived from Gallic Acid. <i>Arabian Journal for Science and Engineering</i> , 2016, 41, 67-73.	1.1	11
31	Fabrication of SPR Nanosensor Using Gold Nanoparticles and Self-Assembled Monolayer Technique for Detection of Cu ²⁺ in an Aqueous Solution. <i>Journal of Dispersion Science and Technology</i> , 2014, 35, 717-724.	1.3	5
32	Silver Nanoparticles Colloidal Dispersions: Synthesis and Antimicrobial Activity. , 2017, , 149-171.		1
33	Synergistic interaction in cationic antipyrine/CTAB mixed systems at different phases. <i>Journal of Dispersion Science and Technology</i> , 0, , 1-11.	1.3	0