

# Ali Abd-Elaal Ali Abd-Elaal

## List of Publications by Year in descending order

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33  
papers

1,383  
citations

331259

21  
h-index

433756

31  
g-index

33  
all docs

33  
docs citations

33  
times ranked

1456  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Selective dual detection of Hg <sup>2+</sup> and TATP based on amphiphilic conjugated polythiophene-quantum dot hybrid materials. <i>Analyst, The</i> , 2021, 146, 2894-2901.	1.7	14
3	Advancement on modification of chitosan biopolymer and its potential applications. <i>International Journal of Biological Macromolecules</i> , 2020, 152, 681-702.	3.6	316
4	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
5	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
6	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. <i>Journal of Molecular Liquids</i> , 2018, 249, 304-317.	2.3	80
7	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
8	Studying the silver nanoparticles influence on thermodynamic behavior and antimicrobial activities of novel amide Gemini cationic surfactants. <i>Materials Science and Engineering C</i> , 2017, 76, 871-885.	3.8	38
9	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
10	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
11	Silver Nanoparticles Colloidal Dispersions: Synthesis and Antimicrobial Activity. , 2017, , 149-171.		1
12	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
13	Fluorescein dye derivatives and their nanohybrids: Synthesis, characterization and antimicrobial activity. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2016, 162, 421-433.	1.7	17
14	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
15	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
16	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
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	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
22	Synthesis and evaluation of silver nanoparticles loaded with Gemini surfactants: Surface and antimicrobial activity. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 24, 34-41.	2.9	27
23	Enhancement the detection of Ni <sup>2+</sup> and Zn <sup>2+</sup> 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	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
25	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
26	Zinc(II) modified carbon paste electrodes based on self-assembled mercapto compounds-gold-nanoparticles for its determination in water samples. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 3320-3328.	2.9	25
27	Thiol surfactant assembled on gold nanoparticles ion exchanger for screen-printed electrode fabrication. Potentiometric determination of Ce(III) in environmental polluted samples. <i>Sensors and Actuators B: Chemical</i> , 2014, 191, 192-203.	4.0	67
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	Fabrication of SPR Nanosensor Using Gold Nanoparticles and Self-Assembled Monolayer Technique for Detection of Cu <sup>2+</sup> in an Aqueous Solution. <i>Journal of Dispersion Science and Technology</i> , 2014, 35, 717-724.	1.3	5
30	Corrosion inhibition efficiency of synthesized poly 12-(3-amino phenoxy) dodecane-1-thiol surfactant assembled on silver nanoparticles. <i>Egyptian Journal of Petroleum</i> , 2013, 22, 293-303.	1.2	27
31	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
32	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
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