Hany Abd El_Lateef

List of Publications by Year
in descending order

135 papers	3,978 citations	125106 35 h-index	169272 56 g-index
136 all docs	136 docs citations	136 times ranked	2300 citing authors

#	Article	IF	Citations
1	Multicomponent synthesis and designing of tetrasubstituted imidazole compounds catalyzed via ionic-liquid for acid steel corrosion protection: Experimental exploration and theoretical calculations. Chinese Journal of Chemical Engineering, 2023, 55, 304-319.	1.7	3
2	Colorimetric detection of Hg2+ ion using fluorescein/thiourea sensor as a receptor in aqueous medium. Journal of Photochemistry and Photobiology A: Chemistry, 2022, 422, 113569.	2.0	22
3	The novel polythiadiazole polymer and its composite with Î±-Al(OH)3 as inhibitors for steel alloy corrosion in molar H2SO4: Experimental and computational evaluations. Journal of Industrial and Engineering Chemistry, 2022, 105, 238-250.	2.9	40
4	Steel protection in acidified 3.5% NaCl by novel hybrid composite of CoCrO3/polyaniline: Chemical fabrication, physicochemical properties, and corrosion inhibition performance. Construction and Building Materials, 2022, 317, 125918.	3.2	27
5	Synthesis and Characterization of Znâ€“Organic Frameworks Containing Chitosan as a Low-Cost Inhibitor for Sulfuric-Acid-Induced Steel Corrosion: Practical and Computational Exploration. Polymers, 2022, 14, 228.	2.0	20
6	Effect of Azospirillum and Azotobacter Species on the Performance of Cherry Tomato under Different Salinity Levels. Gesunde Pflanzen, 2022, 74, 487-499.	1.7	12
7	Inhibition of mild steel corrosion in 1ÂM H2SO4 by a gemini surfactant 1,6-hexyldiyl-bis-(dimethyldodecylammonium bromide): ANN, RSM predictive modeling, quantum chemical and MD simulation studies. Journal of Molecular Liquids, 2022, 350, 118533.	2.3	34
8	Omicron variant genome evolution and phylogenetics. Journal of Medical Virology, 2022, 94, 1627-1632.	2.5	159
9	Novel Natural Surfactant-Based Fatty Acids and Their Corrosion-Inhibitive Characteristics for Carbon Steel-Induced Sweet Corrosion: Detailed Practical and Computational Explorations. Frontiers in Materials, 2022, 9, .	1.2	28
10	A Competition between Hydrogen, Stacking, and Halogen Bonding in N-(4-((3-Methyl-1,4-dioxo-1,4-dihydronaphthalen-2-yl)selanyl)phenyl)acetamide: Structure, Hirshfeld Surface Analysis, 3D Energy Framework Approach, and DFT Calculation. International Journal of Molecular Sciences, 2022, 23, 2716.	1.8	6
11	The Protective Effect of Anethole against Renal Ischemia/Reperfusion: The Role of the TLR2,4/MYD88/NFÎºB Pathway. Antioxidants, 2022, 11, 535.	2.2	12
12	Structural and Adsorptive Characteristics of 2D Multilayer Nanoflakes of NiCo Phosphates for Chromium(VI) Removal: Experimental and Monte Carlo Simulations. ACS Omega, 2022, 7, 10738-10750.	1.6	1
13	Fabrication, DFT Calculation, and Molecular Docking of Two Fe(III) Imine Chelates as Anti-COVID-19 and Pharmaceutical Drug Candidate. International Journal of Molecular Sciences, 2022, 23, 3994.	1.8	34
14	Studying the effect of two isomer forms thiazole and thiadiazine on the inhibition of acidic chloride-induced steel corrosion: Empirical and Computer simulation explorations. Journal of Molecular Liquids, 2022, 356, 119044.	2.3	13
15	Superhydrophobic films-based nonanyl carboxy methylcellulose grafted polyacrylamide for AISI-stainless steel corrosion protection: Empirical explorations and computational models. Journal of Molecular Liquids, 2022, 356, 119063.	2.3	4
16	Removal of the Harmful Nitrate Anions from Potable Water Using Different Methods and Materials, including Zero-Valent Iron. Molecules, 2022, 27, 2552.	1.7	1
17	Targeted synthesis of two iron(III) tetradentate dibasic chelating Schiff base complexes toward inhibition of acidic induced steel corrosion: Empirical and DFT insights. Applied Organometallic Chemistry, 2022, 36, .	1.7	14
18	Facile Synthesis of Fe(0)@Activated Carbon Material as an Active Adsorbent towards the Removal of Cr (VI) from Aqueous Media. Catalysts, 2022, 12, 515.	1.6	2

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19	Synthesis and characterization of novel dicarbohydrazide derivatives with electrochemical and theoretical approaches as potential corrosion inhibitors for N80 steel in a 3.5% NaCl solution. RSC Advances, 2022, 12, 14665-14685.	1.7	11
20	One-Pot Multicomponent Polymerization, Metal-, and Non-Metal-Catalyzed Synthesis of Organoselenium Compounds. Polymers, 2022, 14, 2208.	2.0	8
21	Synthesis, Spectroscopic, Structural and Molecular Docking Studies of Some New Nano-Sized Ferrocene-Based Imine Chelates as Antimicrobial and Anticancer Agents. Materials, 2022, 15, 3678.	1.3	17
22	Computational, kinetic, and electrochemical studies of polyaniline functionalized ZnO and ZnO-SiO2 nanoparticles as corrosion protection films on carbon steel in acidic sodium chloride solutions. Journal of Industrial and Engineering Chemistry, 2022, 112, 398-422.	2.9	12
23	Fabrication of Chitosan Nanofibers Containing Some Steroidal Compounds as a Drug Delivery System. Polymers, 2022, 14, 2094.	2.0	9
24	Surface treatment of Fe63Mn27Si4Cr6 shape memory alloy at varied plasma powers for enhancement of the corrosion resistance, mechanical, and tribological properties. Materials Today Communications, 2022, 31, 103799.	0.9	1
25	Experimental and In-Silico Computational Modeling of Cerium Oxide Nanoparticles Functionalized by Gelatin as an Eco-Friendly Anti-Corrosion Barrier on X60 Steel Alloys in Acidic Environments. Polymers, 2022, 14, 2544.	2.0	5
26	Development of Metal Complexes for Treatment of Coronaviruses. International Journal of Molecular Sciences, 2022, 23, 6418.	1.8	22
27	Corrosion Mitigation Performance of N80 Steel in 5% Sulfamic Acid Medium by Applying Novel Tetrahydro-1,2,4-triazines Including Triazene Moieties: Electrochemical and Theoretical Approaches. ACS Omega, 2022, 7, 23380-23392.	1.6	5
28	Design, Structural Inspection and Bio-Medicinal Applications of Some Novel Imine Metal Complexes Based on Acetylferrocene. Materials, 2022, 15, 4842.	1.3	16
29	Efficient Synthesis of 6,7-Dihydro-5H-cyclopenta[b]pyridine-3-carbonitrile Compounds and Their Applicability As Inhibitor Films for Steel Alloy Corrosion: Collective Computational and Practical Approaches. ACS Omega, 2022, 7, 24727-24745.	1.6	2
30	Facile synthesis and assessment of 2-alkoxy-4-(4-hydroxyphenyl)-6-arylnicotinonitrile derivatives as new inhibitors for C1018-steel corrosion in HCl: a combined theoretical and experimental investigation. Journal of the Iranian Chemical Society, 2021, 18, 961-976.	1.2	4
31	L-proline catalyzed green synthesis and anticancer evaluation of novel bioactive benzil bis-hydrazones under grinding technique. Green Chemistry Letters and Reviews, 2021, 14, 180-189.	2.1	21
32	Synthesis and theoretical studies of novel conjugated polyazomethines and their application as efficient inhibitors for C1018 steel pickling corrosion behavior. Surfaces and Interfaces, 2021, 23, 101037.	1.5	31
33	Electrocatalytic performance of inorganic nanoflakes nickel phosphates under adjusted synthetic parameters towards urea and methanol oxidation in alkaline media. Microchemical Journal, 2021, 163, 105901.	2.3	20
34	Experimental and computational approaches of sustainable quaternary bisammonium fluorosurfactants for corrosion inhibition as protective films at mild steel/H2SO4 interface. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 614, 126141.	2.3	32
35	Synergistic inhibition effect of novel counterion-coupled surfactant based on rice bran oil and halide ion on the C-steel corrosion in molar sulphuric acid: Experimental and computational approaches. Journal of Molecular Liquids, 2021, 331, 115797.	2.3	17
36	Preparation, Characterization, and Evaluation of Macrocrystalline and Nanocrystalline Cellulose as Potential Corrosion Inhibitors for SS316 Alloy during Acid Pickling Process: Experimental and Computational Methods. Polymers, 2021, 13, 2275.	2.0	28

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37	Novel nanocomposites of nickel and copper oxide nanoparticles embedded in a melamine framework containing cellulose nanocrystals: Material features and corrosion protection applications. Journal of Molecular Liquids, 2021, 342, 116960.	2.3	10
38	One-pot synthesis of novel triphenyl hexyl imidazole derivatives catalyzed by ionic liquid for acid corrosion inhibition of C1018 steel: Experimental and computational perspectives. Journal of Molecular Liquids, 2021, 334, 116081.	2.3	27
39	Novel polyesters based on indazole moiety: Synthesis, characterization and applicability as efficient inhibitors for acidic X-65-steel corrosion. Reactive and Functional Polymers, 2021, 166, 105001.	2.0	6
40	Synthesis, experimental, and computational studies of water soluble anthranilic organoselenium compounds as safe corrosion inhibitors for J55 pipeline steel in acidic oilfield formation water. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 625, 126894.	2.3	34
41	A novel approach to investigate the synergistic inhibition effect of nickel phosphate nanoparticles with quaternary ammonium surfactant on the Q235-mild steel corrosion: Surface morphology, electrochemical-computational modeling outlines. Journal of Molecular Liquids, 2021, 337, 116125.	2.3	13
42	Synthesis and study of poly[(hydrazinylazo)]thiazoles as potent corrosion inhibitors for cast iron-carbon alloy in molar HCl: A collective computational and experiential methods. Journal of Molecular Liquids, 2021, 337, 116555.	2.3	11
43	Facile synthesis of gold-nanoparticles by different capping agents and their anticancer performance against liver cancer cells. Colloids and Interface Science Communications, 2021, 44, 100482.	2.0	5
44	Synthesis and antimicrobial activity assessment of calcium and iron phosphate nanoparticles prepared by a facile and cost-effective method. Chemical Physics Letters, 2021, 779, 138839.	1.2	5
45	Effects of plasma powers on the corrosion, mechanical, wear, and tribological surface features of the Fe52Ni28Co17Ti3 shape memory alloy. Surfaces and Interfaces, 2021, 26, 101384.	1.5	0
46	Mesoporous TiO2@g-C3N4 composite: construction, characterization, and boosting indigo carmine dye destruction. Diamond and Related Materials, 2021, 118, 108491.	1.8	48
47	Crystalline Gold nanoparticles adjusted by carboxymethyl cellulose and citrate salt: Fabrication, characterization, and in vitro anticancer activity. Journal of Molecular Liquids, 2021, 340, 117202.	2.3	4
48	A promising star-like PtNi and coral reefs-like PtCo nano-structured materials for direct methanol fuel cell application. Electrochimica Acta, 2021, 399, 139370.	2.6	6
49	Novel Cellulose Derivatives Containing Metal (Cu, Fe, Ni) Oxide Nanoparticles as Eco-Friendly Corrosion Inhibitors for C-Steel in Acidic Chloride Solutions. Molecules, 2021, 26, 7006.	1.7	5
50	Design and assessment of a novel poly(urethane-semicarbazides) containing thiadiazoles on the backbone of the polymers as inhibitors for steel pipelines corrosion in CO2-saturated oilfield water. Journal of Molecular Structure, 2020, 1201, 127223.	1.8	37
51	Corrosion inhibition characteristics of a novel salycilidene isatin hydrazine sodium sulfonate on carbon steel in HCl and a synergistic nickel ions additive: A combined experimental and theoretical perspective. Applied Surface Science, 2020, 501, 144237.	3.1	98
52	Design of ultrafine nickel oxide nanostructured material for enhanced electrocatalytic oxidation of urea: Physicochemical and electrochemical analyses. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 585, 124092.	2.3	35
53	Enhanced Magnetic and DC Electrical Properties of Sm-Doped Bi₂Fe₄O₉Nanoplates Synthesized by Solâ€“Gel Method. Nano, 2020, 15, 2050020.	0.5	4
54	Homo-dinuclear VO2+and Ni2+dihydrazone complexes: Synthesis, characterization, catalytic activity and CO2-corrosion inhibition under sustainable conditions. Inorganica Chimica Acta, 2020, 499, 119212.	1.2	11

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55	Physicochemical and electrochemical investigations of an electrodeposited CeNi2@NiO nanomaterial as a novel anode electrocatalyst material for urea oxidation in alkaline media. Journal of Molecular Liquids, 2020, 297, 111737.	2.3	13
56	Cationic gemini-surfactants based on waste cooking oil as new â€˜greenâ€™ inhibitors for N80-steel corrosion in sulphuric acid: A combined empirical and theoretical approaches. Journal of Molecular Structure, 2020, 1203, 127442.	1.8	122
57	Novel synthesized cationic surfactants based on natural piper nigrum as sustainable-green inhibitors for steel pipeline corrosion in CO2-3.5%NaCl: DFT, Monte Carlo simulations and experimental approaches. Journal of Cleaner Production, 2020, 250, 119510.	4.6	125
58	Synthesis of mesoporous nickel ferrite nanoparticles by use of citrate framework methodology and application for electrooxidation of glucose in alkaline media. Microchemical Journal, 2020, 153, 104507.	2.3	14
59	Corrosion inhibition of carbon steel in hydrochloric acid solution using newly synthesized urea-based cationic fluorosurfactants: experimental and computational investigations. New Journal of Chemistry, 2020, 44, 17791-17814.	1.4	67
60	Advanced self-healing coatings based on ZnO, TiO2, and ZnO-TiO2/polyvinyl chloride nanocomposite systems for corrosion protection of carbon steel in acidic solutions containing chloride. Journal of the Taiwan Institute of Chemical Engineers, 2020, 116, 286-302.	2.7	26
61	Investigation of anti-corrosive potentials of Cu(II)â€“Schiff base complex assembled on magnetic Fe3O4, Fe3O4/TiO2 and Fe3O4/SiO2 nanocubes on carbon steel pipelines in 3.0ÂN HCl. Journal of Molecular Liquids, 2020, 318, 114251.	2.3	13
62	Thiocarbohydrazones Based on Adamantane and Ferrocene as Efficient Corrosion Inhibitors for Hydrochloric Acid Pickling of C-Steel. Coatings, 2020, 10, 1068.	1.2	19
63	Carboxymethyl cellulose/metal (Fe, Cu and Ni) nanocomposites as non-precious inhibitors of C-steel corrosion in HCl solutions: synthesis, characterization, electrochemical and surface morphology studies. Cellulose, 2020, 27, 8039-8057.	2.4	37
64	A highly stable and efficient electrodeposited flowered like structure Niâ€“Co alloy on steel substrate for electrocatalytic hydrogen evolution reaction in HCl solution. Journal of Materials Research and Technology, 2020, 9, 13706-13717.	2.6	6
65	Corrosion inhibition and adsorption features of novel bioactive cationic surfactants bearing benzenesulphonamide on C1018-steel under sweet conditions: Combined modeling and experimental approaches. Journal of Molecular Liquids, 2020, 320, 114564.	2.3	67
66	Chemical synthesis of NiO nanostructure by surfactant-assisted solâ€“gel methodology for urea electrocatalytic oxidation. Materials Letters, 2020, 276, 128192.	1.3	16
67	An efficient and non-precious anode electrocatalyst of NiO-modified carbon nanofibers towards electrochemical urea oxidation in alkaline media. Ceramics International, 2020, 46, 20376-20384.	2.3	19
68	Fabrication and characterization of alumina-silica/poly(o-toluidine) nanocomposites as novel anticorrosive epoxy coatings films on carbon steel. Microchemical Journal, 2020, 158, 105129.	2.3	17
69	Synthesis, assessment and corrosion protection investigations of some novel peptidomimetic cationic surfactants: Empirical and theoretical insights. Journal of Molecular Liquids, 2020, 315, 113672.	2.3	41
70	An efficient synthesis of electrospun TiO2-nanofibers/Schiff base phenylalanine composite and its inhibition behavior for C-steel corrosion in acidic chloride environments. Journal of the Taiwan Institute of Chemical Engineers, 2020, 112, 306-321.	2.7	39
71	Enhanced the protection capacity of poly(o-toluidine) by synergism with zinc or lanthanum additives at C-steel/HCl interface: A combined DFT, molecular dynamic simulations and experimental methods. Journal of Molecular Liquids, 2020, 303, 112641.	2.3	33
72	A facile chemical synthesis of CuxNi(1â^'x)Fe2O4 nanoparticles as a nonprecious ferrite material for electrocatalytic oxidation of acetaldehyde. Scientific Reports, 2020, 10, 2761.	1.6	17

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73	Synergistic inhibition effect of poly(ethylene glycol) and cetyltrimethylammonium bromide on corrosion of Zn and Znâ€"Ni alloys for alkaline batteries. Transactions of Nonferrous Metals Society of China, 2020, 30, 259-274.	1.7	13
74	Fine-template synthetic process of mesoporous TiO2 using ionic/nonionic surfactants as potential remediation of Pb(II) from contaminated soil. International Journal of Environmental Science and Technology, 2019, 16, 1933-1944.	1.8	4
75	Magnetic Fe3O4 nanocubes coated by SiO2 and TiO2 layers as nanocomposites for Cr (VI) up taking from wastewater. Ceramics International, 2019, 45, 23548-23560.	2.3	24
76	Solvent-free synthesis and corrosion inhibition performance of Ethyl 2-(1,2,3,6-tetrahydro-6-oxo-2-thioxopyrimidin-4-yl)ethanoate on carbon steel in pickling acids: Experimental, quantum chemical and Monte Carlo simulation studies. Journal of Molecular Liquids, 2019, 296, 111800.	2.3	59
77	Enhanced adsorption and removal of urea from aqueous solutions using eco-friendly iron phosphate nanoparticles. Journal of Environmental Chemical Engineering, 2019, 7, 102939.	3.3	15
78	Sulfonated salicylidene thiadiazole complexes with Co (II) and Ni (II) ions as sustainable corrosion inhibitors and catalysts for cross coupling reaction. Applied Organometallic Chemistry, 2019, 33, e4987.	1.7	16
79	Electrodeposited Pt nanorods on a novel flowered-like nanostructured Ni Co alloy as an electrocatalyst for methanol oxidation. International Journal of Hydrogen Energy, 2019, 44, 13820-13834.	3.8	19
80	Novel dispersed Tl2O3-SiO2/polyaniline nanocomposites: in-situ polymerization, characterization and enforcement as a corrosion protective layer for carbon-steel in acidic chloride medium. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 573, 95-111.	2.3	50
81	Removal of cationic surfactants from dilute solutions using nanoporous nickel phosphate: A structural, kinetic and thermodynamic study. Journal of Molecular Liquids, 2019, 283, 30-38.	2.3	4
82	Electrochemical methods for fabrication of polymers/calcium phosphates nanocomposites as hard tissue implants. Applied Physics Reviews, 2019, 6, 021303.	5.5	5
83	Comparative study of synergistic inhibition of mild steel and pure iron by 1-hexadecylpyridinium chloride and bromide ions. Corrosion Science, 2019, 154, 70-79.	3.0	101
84	Efficient route synthesis of new polythiazoles and their inhibition characteristics of mild-steel corrosion in acidic chloride medium. Journal of Molecular Structure, 2019, 1184, 452-461.	1.8	31
85	Magnetic Sm-BFO and Ce-BFO nanoflakes as protective coating layers for C-steel in acidic chloride environments. Measurement: Journal of the International Measurement Confederation, 2019, 132, 99-108.	2.5	9
86	Synthesis of crystalline and amorphous iron phosphate nanoparticles by simple low-temperature method. Materials Research Express, 2019, 6, 035030.	0.8	9
87	Corrosion inhibition and adsorption behavior of phytic acid on Pb and Pbâ€"In alloy surfaces in acidic chloride solution. International Journal of Industrial Chemistry, 2019, 10, 31-47.	3.1	24
88	New Polymer Syntheses Part 60: A Facile Synthetic Route to Polyamides Based on Thieno[2,3-b]thiophene and Their Corrosion Inhibition Behavior. Chinese Journal of Polymer Science (English Edition), 2018, 36, 835-847.	2.0	14
89	Optical and Photocatalytic Measurements of Co-TiO2 Nanoparticle Thin Films. Plasmonics, 2018, 13, 1795-1802.	1.8	6
90	Anionic oxideâ€'vanadium Schiff base amino acid complexes as potent inhibitors and as effective catalysts for sulfides oxidation: Experimental studies complemented with quantum chemical calculations. Journal of Molecular Liquids, 2018, 250, 307-322.	2.3	39

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91	Adsorption and removal of cationic and anionic surfactants using zero-valent iron nanoparticles. Journal of Molecular Liquids, 2018, 268, 497-505.	2.3	48
92	Polyhydrazide Incorporated with Thiadiazole Moiety as Novel and Effective Corrosion Inhibitor for C-Steel in Pickling Solutions of HCl and H2SO4. Macromolecular Research, 2018, 26, 882-891.	1.0	15
93	Synthesis of polar unique 3d metal-imine complexes of salicylidene anthranilate sodium salt. Homogeneous catalytic and corrosion inhibition performance. Journal of the Taiwan Institute of Chemical Engineers, 2018, 88, 286-304.	2.7	49
94	Impact of porosity and thickness of nanoâ€TiO₂ films on the corrosion protection performance of Câ€steel in H₂<scp>SO</scp>₄. International Journal of Applied Ceramic Technology, 2017, 14, 145-161.	1.1	11
95	Novel synthesized Schiff Base-based cationic gemini surfactants: Electrochemical investigation, theoretical modeling and applicability as biodegradable inhibitors for mild steel against acidic corrosion. Journal of Molecular Liquids, 2017, 232, 478-498.	2.3	93
96	Novel Quaternary Ammoniumâ€Based Cationic Surfactants: Synthesis, Surface Activity and Evaluation as Corrosion Inhibitors for C1018 Carbon Steel in Acidic Chloride Solution. Journal of Surfactants and Detergents, 2017, 20, 735-753.	1.0	30
97	Magnetic and DC electric properties of solâ€“gel-synthesized Ce-doped BiFeO3 nanoflakes. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	1.1	10
98	Corrosion inhibition of carbon steel pipelines by some novel Schiff base compounds during acidizing treatment of oil wells studied by electrochemical and quantum chemical methods. Journal of Molecular Structure, 2017, 1130, 522-542.	1.8	92
99	Divinyl Sulfone Cross-Linked Î²-Cyclodextrin Polymer as New and Effective Corrosion Inhibitor for Zn Anode in 3.5ÂM KOH. Transactions of the Indian Institute of Metals, 2016, 69, 1783-1792.	0.7	10
100	Corrosion protection of mild steel by coating with TiO 2 thin films co-doped with NiO and ZrO 2 in acidic chloride environments. Materials Chemistry and Physics, 2016, 177, 250-265.	2.0	28
101	Synthesis and evaluation of novel series of Schiff base cationic surfactants as corrosion inhibitors for carbon steel in acidic/chloride media: experimental and theoretical investigations. RSC Advances, 2016, 6, 8681-8700.	1.7	78
102	Empirical and Theoretical Calculations for Corrosion Inhibition of Carbon Steel C1018 in Acidic Solutions Using Some Selected Fatty Acid Surfactants. Zeitschrift Fur Physikalische Chemie, 2016, 230, 1111-1138.	1.4	13
103	Empirical and quantum chemical studies on the corrosion inhibition performance of some novel synthesized cationic gemini surfactants on carbon steel pipelines in acid pickling processes. Corrosion Science, 2016, 108, 94-110.	3.0	186
104	Synergistic effect of polyethylene glycols and rare earth Ce4+ on the corrosion inhibition of carbon steel in sulfuric acid solution: electrochemical, computational, and surface morphology studies. Research on Chemical Intermediates, 2016, 42, 3219-3240.	1.3	47
105	Novel Schiff base amino acid as corrosion inhibitors for carbon steel in CO2-saturated 3.5% NaCl solution: experimental and computational study. Corrosion Reviews, 2015, 33, 77-97.	1.0	51
106	Effect of indium alloying with lead together with the addition of phosphoric acid in electrolyte to improve lead-acid battery performance. Journal of Solid State Electrochemistry, 2015, 19, 1463-1478.	1.2	8
107	Electrochemical and theoretical quantum approaches on the inhibition of C1018 carbon steel corrosion in acidic medium containing chloride using some newly synthesized phenolic Schiff bases compounds. Journal of Electroanalytical Chemistry, 2015, 743, 120-133.	1.9	105
108	Novel naphthenate surfactants based on petroleum acids and nitrogenous bases as corrosion inhibitors for C1018-type mild steel in CO2-saturated brine. Egyptian Journal of Petroleum, 2015, 24, 175-182.	1.2	13

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109	Effect of nickel content on the anodic dissolution and passivation of zincâ€“nickel alloys in alkaline solutions by potentiodynamic and potentiostatic techniques. Bulletin of Materials Science, 2015, 38, 379-391.	0.8	6
110	Role of nickel alloying on anodic dissolution behavior of zinc in 3.5% NaCl solution. Part II: Potentiodynamic, potentiostatic and galvanostatic studies. Transactions of Nonferrous Metals Society of China, 2015, 25, 3152-3164.	1.7	9
111	Investigation of adsorption and inhibition effects of some novel anil compounds towards mild steel in H2SO4 solution: Electrochemical and theoretical quantum studies. Journal of Electroanalytical Chemistry, 2015, 758, 135-147.	1.9	57
112	Role of Ni content in improvement of corrosion resistance of Znâ€“Ni alloy in 3.5% NaCl solution. Part I: Polarization and impedance studies. Transactions of Nonferrous Metals Society of China, 2015, 25, 2807-2816.	1.7	39
113	Corrosion resistance of ZrO2â€“TiO2 nanocomposite multilayer thin films coated on carbon steel in hydrochloric acid solution. Materials Characterization, 2015, 108, 29-41.	1.9	56
114	Experimental and computational investigation on the corrosion inhibition characteristics of mild steel by some novel synthesized imines in hydrochloric acid solutions. Corrosion Science, 2015, 92, 104-117.	3.0	187
115	Enhanced corrosion inhibition of mild steel in CO2-saturated solutions containing some novel green surfactants based on cottonseed oil. International Journal of Corrosion and Scale Inhibition, 2015, 4, 057-074.	0.5	1
116	Some surfactants based on the vegetable oils as CO2 corrosion inhibitors for mild steel in oilfield formation water. International Journal of Corrosion and Scale Inhibition, 2015, 4, 162-175.	0.5	11
117	Inhibition of carbon steel corrosion in CO2-saturated brine using some newly surfactants based on palm oil: Experimental and theoretical investigations. Materials Chemistry and Physics, 2013, 142, 502-512.	2.0	103
118	A study of the corrosion inhibition of mild steel C1018 in CO2-saturated brine using some novel surfactants based on corn oil. Egyptian Journal of Petroleum, 2013, 22, 451-470.	1.2	62
119	Green Surfactants From the Type of Fatty Acids As Effective Corrosion Inhibitors for Mild Steel in CO2- Saturated NaCl Solution. American Journal of Physical Chemistry, 2013, 2, 16.	0.4	13
120	LPR Corrosion Rate, Weight Loss Measurements and SEM Studies of the Effect of the Some Novel Surfactants as Corrosion Inhibitors for Carbon Steel in CO₂-Saturated 1% NaCl Solutions. Journal of Surfaces and Interfaces of Materials, 2013, 1, 4-14.	0.5	3
121	Inhibition Effects Of Some Novel Surfactants Based On Corn Oil And Diethanolamine On Mild Steel Corrosion In Chloride Solutions Saturated With CO2. International Journal of Thin Film Science and Technology, 2013, 2, 91-105.	0.6	11
122	Preparation, Surface active properties, and Anticorrosion Application of some novel surfactants based on cottonseed oil and diethanolamine on carbon steel in CO2 environments. Journal of Advances in Chemistry, 2013, 1, 5-17.	0.1	1
123	Efficient Complex Surfactants from the Type of Fatty Acids as Corrosion Inhibitors for Mild Steel C1018 in CO2-Environments. Journal of the Korean Chemical Society, 2013, 57, 25-34.	0.2	30
124	Inhibitive Effect of Some Natural Naphthenates as Corrosion Inhibitors on the Corrosive Performance of Carbon Steel in CO2-Saturated Brine. International Journal of Scientific Research in Environmental Sciences, 2013, 1, 166-178.	0.1	1
125	Corrosion Study of Zinc, Nickel, and Zinc-Nickel Alloys in Alkaline Solutions by Tafel Plot and Impedance Techniques. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2012, 43, 619-632.	1.1	57
126	Effect of some nitrogen-heterocyclic compounds on corrosion of tin, indium, and their alloys in HClO4. Monatshefte FÃ¼r Chemie, 2012, 143, 51-64.	0.9	7

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127	Inhibitive action of ferricyanide complex anion on both corrosion and passivation of zinc and zincâ€“nickel alloy in the alkaline solution. Journal of Power Sources, 2011, 196, 6573-6582.	4.0	39
128	Effect of minor nickel alloying with zinc on the electrochemical and corrosion behavior of zinc in alkaline solution. Journal of Power Sources, 2010, 195, 6924-6936.	4.0	46
129	Corrosion inhibition of tin, indium and tinâ€“indium alloys by adenine or adenosine in hydrochloric acid solution. Corrosion Science, 2010, 52, 72-81.	3.0	51
130	The inhibition effect of 2,4,6-tris (2-pyridyl)-1,3,5-triazine on corrosion of tin, indium and tinâ€“indium alloys in hydrochloric acid solution. Corrosion Science, 2010, 52, 1976-1984.	3.0	41
131	Hydrogen evolution reaction on Sn, In, and Snâ€“In alloys in carboxylic acids. Journal of Solid State Electrochemistry, 2009, 13, 1147-1155.	1.2	16
132	Anodic behavior of tin, indium, and tinâ€“indium alloys in oxalic acid solution. Journal of Solid State Electrochemistry, 2009, 13, 1279-1290.	1.2	41
133	Potentiodynamic studies on anodic dissolution and passivation of tin, indium and tinâ€“indium alloys in some fruit acids solutions. Corrosion Science, 2009, 51, 2675-2684.	3.0	17
134	Enhanced catalytic performance of anti-oxidative nanocomposite electrode of graphite-oxide sheet doped by gold nanoparticles during ethanol electro-oxidation. Journal of the Iranian Chemical Society, 0, , 1.	1.2	1
135	Editorial: 33 Tips for Arabs who Wish to Publish in Scopus- and Clarivate-Indexed Journals. Scientific Journal of King Faisal University, 0, , .	0.0	0