

Mostafa H Sliem

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

36
papers

591
citations

14
h-index

23
g-index

39
ext. papers

850
ext. citations

4.4
avg, IF

4.48
L-index

#	Paper	IF	Citations
36	AEO7 Surfactant as an Eco-Friendly Corrosion Inhibitor for Carbon Steel in HCl solution. <i>Scientific Reports</i> , 2019 , 9, 2319	4.9	53
35	Highly efficient eco-friendly corrosion inhibitor for mild steel in 5 M HCl at elevated temperatures: experimental & molecular dynamics study. <i>Scientific Reports</i> , 2019 , 9, 3695	4.9	41
34	Controlling the biocorrosion of sulfate-reducing bacteria (SRB) on carbon steel using ZnO/chitosan nanocomposite as an eco-friendly biocide. <i>Corrosion Science</i> , 2019 , 148, 397-406	6.8	40
33	Rational synthesis, characterization, and application of environmentally friendly (polymer/carbon dot) hybrid composite film for fast and efficient UV-assisted Cd ²⁺ removal from water. <i>Environmental Sciences Europe</i> , 2020 , 32,	5	36
32	Corrosion inhibition of API X120 steel in a highly aggressive medium using stearamidopropyl dimethylamine. <i>Journal of Molecular Liquids</i> , 2017 , 236, 220-231	6	35
31	Rational Synthesis of Porous Graphitic-like Carbon Nitride Nanotubes Codoped with Au and Pd as an Efficient Catalyst for Carbon Monoxide Oxidation. <i>Langmuir</i> , 2019 , 35, 3421-3431	4	35
30	Fabrication of ZnO-Fe-MXene Based Nanocomposites for Efficient CO ₂ Reduction. <i>Catalysts</i> , 2020 , 10, 549	4	33
29	Unraveling template-free fabrication of carbon nitride nanorods codoped with Pt and Pd for efficient electrochemical and photoelectrochemical carbon monoxide oxidation at room temperature. <i>Nanoscale</i> , 2019 , 11, 11755-11764	7.7	32
28	Self-Healing Performance of Multifunctional Polymeric Smart Coatings. <i>Polymers</i> , 2019 , 11,	4.5	31
27	Rational synthesis of one-dimensional carbon nitride-based nanofibers atomically doped with Au/Pd for efficient carbon monoxide oxidation. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 17943-17953	6.7	31
26	Precise fabrication of porous one-dimensional gC ₃ N ₄ nanotubes doped with Pd and Cu atoms for efficient CO oxidation and CO ₂ reduction. <i>Inorganic Chemistry Communication</i> , 2019 , 107, 107460	3.1	27
25	Electrochemical and thermodynamic study on the corrosion performance of API X120 steel in 3.5% NaCl solution. <i>Scientific Reports</i> , 2020 , 10, 4314	4.9	24
24	Designing and performance evaluation of polyelectrolyte multilayered composite smart coatings. <i>Progress in Organic Coatings</i> , 2019 , 137, 105319	4.8	14
23	Tailored fabrication of iridium nanoparticle-sensitized titanium oxynitride nanotubes for solar-driven water splitting: experimental insights on the photocatalytic activity-defects relationship. <i>Catalysis Science and Technology</i> , 2020 , 10, 801-809	5.5	14
22	Dry ice-mediated rational synthesis of edge-carboxylated crumpled graphene nanosheets for selective and prompt hydrolysis of cellulose and eucalyptus lignocellulose under ambient reaction conditions. <i>Green Chemistry</i> , 2020 , 22, 5437-5446	10	14
21	Enhancing the corrosion resistance of reinforcing steel under aggressive operational conditions using behentrimonium chloride. <i>Scientific Reports</i> , 2019 , 9, 18115	4.9	14
20	Enhanced mechanical and corrosion protection properties of pulse electrodeposited NiP-ZrO ₂ nanocomposite coatings. <i>Surface and Coatings Technology</i> , 2020 , 403, 126340	4.4	13

19	Calix[4]arene-clicked clay through thiol-yne addition for the molecular recognition and removal of Cd(II) from wastewater. <i>Separation and Purification Technology</i> , 2020 , 251, 117383	8.3	13
18	Effect of Temperature on the Corrosion Behavior of API X120 Pipeline Steel in H ₂ S Environment. <i>Journal of Materials Engineering and Performance</i> , 2017 , 26, 3775-3783	1.6	9
17	Corrosion Inhibition of Mild Steel in Sulfuric Acid by a Newly Synthesized Schiff Base: An Electrochemical, DFT, and Monte Carlo Simulation Study. <i>Electroanalysis</i> , 2020 , 32, 3145-3158	3	9
16	An efficient green ionic liquid for the corrosion inhibition of reinforcement steel in neutral and alkaline highly saline simulated concrete pore solutions. <i>Scientific Reports</i> , 2020 , 10, 14565	4.9	9
15	Data on structural and composition-related merits of gCN nanofibres doped and undoped with Au/Pd at the atomic level for efficient catalytic CO oxidation. <i>Data in Brief</i> , 2019 , 27, 104734	1.2	8
14	Organ-specific toxicity evaluation of stearamidopropyl dimethylamine (SAPDMA) surfactant using zebrafish embryos. <i>Science of the Total Environment</i> , 2020 , 741, 140450	10.2	7
13	Erosion Behavior of API X120 Steel: Effect of Particle Speed and Impact Angle. <i>Coatings</i> , 2018 , 8, 343	2.9	7
12	Electrospun highly corrosion-resistant polystyrene/black nickel oxide superhydrophobic nanocomposite coating. <i>Journal of Applied Electrochemistry</i> , 2021 , 51, 1605	2.6	7
11	Tailoring the defects of sub-100 nm multipodal titanium nitride/oxynitride nanotubes for efficient water splitting performance. <i>Nanoscale Advances</i> , 2021 , 3, 5016-5026	5.1	7
10	Spectral, thermal, antimicrobial studies for silver(I) complexes of pyrazolone derivatives. <i>BMC Chemistry</i> , 2020 , 14, 69	3.7	6
9	Novel Enzyme-Free Multifunctional Bentonite/Polypyrrole/Silver Nanocomposite Sensor for Hydrogen Peroxide Detection over a Wide pH Range. <i>Sensors</i> , 2019 , 19,	3.8	6
8	AEO-7 surfactant is super toxic and induces severe cardiac, liver and locomotion damage in zebrafish embryos. <i>Environmental Sciences Europe</i> , 2020 , 32,	5	3
7	Monitoring of under deposit corrosion for the oil and gas industry: A review. <i>Journal of Petroleum Science and Engineering</i> , 2021 , 204, 108752	4.4	3
6	Design of hybrid clay/ polypyrrole decorated with silver and zinc oxide nanoparticles for anticorrosive and antibacterial applications. <i>Progress in Organic Coatings</i> , 2020 , 149, 105918	4.8	2
5	Data on the fabrication of hybrid calix [4]arene-modified natural bentonite clay for efficient selective removal of toxic metals from wastewater at room temperature. <i>Data in Brief</i> , 2021 , 35, 106799	1.2	2
4	Enhanced photocatalytic performance of WON@porous TiO nanofibers towards sunlight-assisted degradation of organic contaminants.. <i>RSC Advances</i> , 2018 , 8, 32747-32755	3.7	2
3	Investigating the Properties of Electrodeposited of Ni-P-ZrC Nanocomposite Coatings.. <i>ACS Omega</i> , 2021 , 6, 33310-33324	3.9	2
2	Rational Synthesis of Mixed Metal Oxide Clusters Supported on a Partially Etched MAX Phase for Efficient Electrocatalytic CO ₂ Conversion. <i>Topics in Catalysis</i> , 1	2.3	1

- 1 A Hybrid Photo-Electro Catalytic Conversion of Carbon dioxide Using CuO/MgO Nanocomposite.
Topics in Catalysis,1

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