

Mostafa H Sliem

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3219724/publications.pdf>

Version: 2024-02-01

38
papers

1,162
citations

331259

21
h-index

395343

33
g-index

39
all docs

39
docs citations

39
times ranked

859
citing authors

#	ARTICLE	IF	CITATIONS
1	AEO7 Surfactant as an Eco-Friendly Corrosion Inhibitor for Carbon Steel in HCl solution. Scientific Reports, 2019, 9, 2319.	1.6	91
2	Highly efficient eco-friendly corrosion inhibitor for mild steel in 5% M HCl at elevated temperatures: experimental & molecular dynamics study. Scientific Reports, 2019, 9, 3695.	1.6	77
3	Fabrication of ZnO-Fe-MXene Based Nanocomposites for Efficient CO ₂ Reduction. Catalysts, 2020, 10, 549.	1.6	68
4	Controlling the biocorrosion of sulfate-reducing bacteria (SRB) on carbon steel using ZnO/chitosan nanocomposite as an eco-friendly biocide. Corrosion Science, 2019, 148, 397-406.	3.0	67
5	Unraveling template-free fabrication of carbon nitride nanorods codoped with Pt and Pd for efficient electrochemical and photoelectrochemical carbon monoxide oxidation at room temperature. Nanoscale, 2019, 11, 11755-11764.	2.8	62
6	Rational synthesis, characterization, and application of environmentally friendly (polymer-carbon) Tj ETQqO O O rgBT /Overlock 10 TF 5 Sciences Europe, 2020, 32, .	2.6	59
7	Rational synthesis of one-dimensional carbon nitride-based nanofibers atomically doped with Au/Pd for efficient carbon monoxide oxidation. International Journal of Hydrogen Energy, 2019, 44, 17943-17953.	3.8	51
8	Rational Synthesis of Porous Graphitic-like Carbon Nitride Nanotubes Codoped with Au and Pd as an Efficient Catalyst for Carbon Monoxide Oxidation. Langmuir, 2019, 35, 3421-3431.	1.6	51
9	Corrosion inhibition of API X120 steel in a highly aggressive medium using stearamidopropyl dimethylamine. Journal of Molecular Liquids, 2017, 236, 220-231.	2.3	49
10	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. Inorganic Chemistry Communication, 2019, 107, 107460.	1.8	49
11	Self-Healing Performance of Multifunctional Polymeric Smart Coatings. Polymers, 2019, 11, 1519.	2.0	48
12	Electrochemical and thermodynamic study on the corrosion performance of API X120 steel in 3.5% NaCl solution. Scientific Reports, 2020, 10, 4314.	1.6	46
13	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. Green Chemistry, 2020, 22, 5437-5446.	4.6	39
14	Enhanced mechanical and corrosion protection properties of pulse electrodeposited NiP-ZrO ₂ nanocomposite coatings. Surface and Coatings Technology, 2020, 403, 126340.	2.2	36
15	Monitoring of under deposit corrosion for the oil and gas industry: A review. Journal of Petroleum Science and Engineering, 2021, 204, 108752.	2.1	36
16	Tailored fabrication of iridium nanoparticle-sensitized titanium oxynitride nanotubes for solar-driven water splitting: experimental insights on the photocatalytic activity-defects relationship. Catalysis Science and Technology, 2020, 10, 801-809.	2.1	33
17	An efficient green ionic liquid for the corrosion inhibition of reinforcement steel in neutral and alkaline highly saline simulated concrete pore solutions. Scientific Reports, 2020, 10, 14565.	1.6	31
18	Corrosion Inhibition of Mild Steel in Sulfuric Acid by a Newly Synthesized Schiff Base: An Electrochemical, DFT, and Monte Carlo Simulation Study. Electroanalysis, 2020, 32, 3145-3158.	1.5	29

#	ARTICLE	IF	CITATIONS
19	Electrospun highly corrosion-resistant polystyrene/nickel oxide superhydrophobic nanocomposite coating. <i>Journal of Applied Electrochemistry</i> , 2021, 51, 1605-1618.	1.5	26
20	Enhancing the corrosion resistance of reinforcing steel under aggressive operational conditions using behentrimonium chloride. <i>Scientific Reports</i> , 2019, 9, 18115.	1.6	24
21	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.	3.9	22
22	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.	1.2	21
23	Tailoring the defects of sub-100 nm multipodal titanium nitride/oxytitanium nitride nanotubes for efficient water splitting performance. <i>Nanoscale Advances</i> , 2021, 3, 5016-5026.	2.2	21
24	Designing and performance evaluation of polyelectrolyte multilayered composite smart coatings. <i>Progress in Organic Coatings</i> , 2019, 137, 105319.	1.9	17
25	Investigating the Properties of Electrodeposited of Ni-P-ZrC Nanocomposite Coatings. <i>ACS Omega</i> , 2021, 6, 33310-33324.	1.6	17
26	Organ-specific toxicity evaluation of stearamidopropyl dimethylamine (SAPDMA) surfactant using zebrafish embryos. <i>Science of the Total Environment</i> , 2020, 741, 140450.	3.9	14
27	Erosion Behavior of API X120 Steel: Effect of Particle Speed and Impact Angle. <i>Coatings</i> , 2018, 8, 343.	1.2	13
28	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.	1.9	10
29	Data on structural and composition-related merits of gC ₃ N ₄ nanofibres doped and undoped with Au/Pd at the atomic level for efficient catalytic CO oxidation. <i>Data in Brief</i> , 2019, 27, 104734.	0.5	9
30	Novel Enzyme-Free Multifunctional Bentonite/Polypyrrole/Silver Nanocomposite Sensor for Hydrogen Peroxide Detection over a Wide pH Range. <i>Sensors</i> , 2019, 19, 4442.	2.1	9
31	Spectral, thermal, antimicrobial studies for silver(I) complexes of pyrazolone derivatives. <i>BMC Chemistry</i> , 2020, 14, 69.	1.6	8
32	AEO-7 surfactant is super toxic and induces severe cardiac, liver and locomotion damage in zebrafish embryos. <i>Environmental Sciences Europe</i> , 2020, 32, .	2.6	8
33	Enhanced photocatalytic performance of WO ₃ @porous TiO ₂ nanofibers towards sunlight-assisted degradation of organic contaminants. <i>RSC Advances</i> , 2018, 8, 32747-32755.	1.7	5
34	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> , 0, , 1.	1.3	5
35	Impact of Prolonged Exposure to Sour Service on the Mechanical Properties and Corrosion Mechanism of NACE Carbon Steel Material Used in Wet Sour Gas Multiphase Pipeline. <i>Sustainability</i> , 2022, 14, 8015.	1.6	4
36	A Hybrid Photo-Electro Catalytic Conversion of Carbon dioxide Using CuO/MgO Nanocomposite. <i>Topics in Catalysis</i> , 0, , 1.	1.3	3

#	ARTICLE	IF	CITATIONS
37	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. Data in Brief, 2021, 35, 106799.	0.5	2
38	Caprylamidopropyl Betaine as a highly efficient eco-friendly corrosion inhibitor for API X120 steel in 1 M H ₂ SO ₄ . Egyptian Journal of Chemistry, 2019, .	0.1	2