

# Amr Elgendy

## List of Publications by Year in descending order

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13  
papers

564  
citations

759233

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1125743

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docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Adsorption characteristics and inhibition effect of two Schiff base compounds on corrosion of mild steel in 0.5M HCl solution: experimental, DFT studies, and Monte Carlo simulation. RSC Advances, 2019, 9, 10473-10485.	3.6	98
2	Mesoporous Ni-Zn-Fe layered double hydroxide as an efficient binder-free electrode active material for high-performance supercapacitors. Journal of Power Sources, 2020, 466, 228294.	7.8	96
3	Novel Gemini cationic surfactants as anti-corrosion for X-65 steel dissolution in oilfield produced water under sweet conditions: Combined experimental and computational investigations. Journal of Molecular Structure, 2018, 1159, 10-22.	3.6	80
4	Synthesis, characterization, experimental and theoretical calculations (DFT and MC) of ethoxylated aminothiazole as inhibitor for X65 steel corrosion in highly aggressive acidic media. Journal of Molecular Liquids, 2020, 297, 111940.	4.9	52
5	Understanding the adsorption performance of two glycine derivatives as novel and environmentally safe anti-corrosion agents for copper in chloride solutions: experimental, DFT, and MC studies. RSC Advances, 2019, 9, 42120-42131.	3.6	47
6	Monte Carlo simulation for the antiscaling performance of Gemini ionic liquids. Journal of Molecular Liquids, 2019, 285, 408-415.	4.9	35
7	Novel Ionic Liquid Compound Act as Sweet Corrosion Inhibitors for X-65 Carbon Tubing Steel: Experimental and Theoretical Studies. Journal of Bio- and Tribo-Corrosion, 2017, 3, 1.	2.6	30
8	Corrosion inhibition of copper in sulfuric acid via environmentally friendly inhibitor (Myrtus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 467 T 117982.	4.9	30
9	Multifunctional Aspects of the Synthesized Pyrazoline Derivatives for AP1 5L X60 Steel Protection Against MIC and Acidization: Electrochemical, In Silico, and SRB Insights. ACS Omega, 2021, 6, 8894-8907.	3.5	29
10	Improvement of the corrosion resistance of mild steel in sulfuric acid by new organic-inorganic hybrids of Benzimidazole-Pyrophosphate: Facile synthesis, characterization, experimental and theoretical calculations (DFT and MC). Surfaces and Interfaces, 2021, 24, 101084.	3.0	21
11	Pistacia lentiscus extract as a green inhibitor for copper corrosion in 0.5M of H2SO4: electrochemical characterization and theoretical investigations. Journal of Applied Electrochemistry, 2022, 52, 1629-1646.	2.9	19
12	Insight into the inhibition performance of thiosemicarbazones as efficient inhibitors for copper in acidic environment: Combined experimental and computational investigations. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 647, 129208.	4.7	18
13	High-Performance Nanostructured MoS <sub>2</sub> Electrodes with Spontaneous Ultralow Gold Loading for Hydrogen Evolution. Journal of Physical Chemistry C, 2021, 125, 20940-20951.	3.1	9