

Omar Dagdag

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/7048065/omar-dagdag-publications-by-year.pdf>

Version: 2024-04-20

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

75
papers

1,501
citations

23
h-index

36
g-index

89
ext. papers

2,280
ext. citations

3.8
avg, IF

5.42
L-index

#	Paper	IF	Citations
75	Novel glycoluril pharmaceutically active compound as a green corrosion inhibitor for the oil and gas industry. <i>Journal of Electroanalytical Chemistry</i> , 2022 , 907, 116055	4.1	4
74	Cinnamoum tamala leaves extract highly efficient corrosion bio-inhibitor for low carbon steel: Applying computational and experimental studies. <i>Journal of Molecular Liquids</i> , 2022 , 347, 118218	6	6
73	Novel gossypol π hole modification as a green corrosion inhibitor for low carbon steel in aggressive alkaline solution. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022 , 637, 128207	5.1	8
72	Molecular dynamic simulation and Quantum chemical calculation of phytochemicals present in Beta vulgaris and electrochemical behaviour of Beta vulgaris peel extract as green corrosion inhibitor for stainless steel (SS-410) in acidic medium. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022 , 632, 127707	5.1	9
71	Chemical modification of epoxy prepolymers as anticorrosive materials: a review 2022 , 273-288		
70	Computational insights into quinoxaline-based corrosion inhibitors of steel in HCl: Quantum chemical analysis and QSPR-ANN studies. <i>Arabian Journal of Chemistry</i> , 2022 , 103870	5.9	0
69	Experimental and theoretical study for removal of trimethoprim from wastewater using organically modified silica with pyrazole-3-carbaldehyde bridged to copper ions.. <i>BMC Chemistry</i> , 2022 , 16, 17	3.7	0
68	Monte Carlo simulation, molecular dynamic simulation, quantum chemical calculation and anti-corrosive behaviour of Citrus limetta pulp waste extract for stainless steel (SS-410) in acidic medium. <i>Materials Chemistry and Physics</i> , 2022 , 284, 126052	4.4	2
67	Epoxy Resins and Their Nanocomposites as Anticorrosive Materials 2021 , 451-482		1
66	Cellulose powder functionalized with phenyl biguanide: Synthesis, cross-linking, metal adsorption, and molecular docking. <i>BioResources</i> , 2021 , 16, 7263-7282	1.3	3
65	Molecular dynamic simulation, Quantum chemical calculation and electrochemical behaviour of Punica granatum peel extract as eco-friendly corrosion inhibitor for stainless steel (SS-410) in acidic medium. <i>Journal of Molecular Liquids</i> , 2021 , 118237	6	4
64	Novel bromide cucurbit[7]uril supramolecular ionic liquid as a green corrosion inhibitor for the oil and gas industry. <i>Journal of Electroanalytical Chemistry</i> , 2021 , 901, 115794	4.1	11
63	Epoxy coating as effective anti-corrosive polymeric material for aluminum alloys: Formulation, electrochemical and computational approaches. <i>Journal of Molecular Liquids</i> , 2021 , 346, 117886	6	11
62	Novel cucurbit[6]uril-based [3]rotaxane supramolecular ionic liquid as a green and excellent corrosion inhibitor for the chemical industry. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 633, 127837	5.1	9
61	Comparative study of some epoxy polymers based on bisphenolic and aromatic diamines: synthesis, viscosity, thermal properties computational and statistical approaches. <i>Journal of Polymer Research</i> , 2021 , 28, 1	2.7	3
60	Anticorrosive properties of a green and sustainable inhibitor from leaves extract of Cannabis sativa plant: Experimental and theoretical approach. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 614, 126211	5.1	27
59	Cellulose-Based Hectocycle Nanopolymers: Synthesis, Molecular Docking and Adsorption of Difenconazole from Aqueous Medium. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	4

58	Corrosion inhibition, surface adsorption and computational studies of Swertia chirata extract: A sustainable and green approach. <i>Materials Chemistry and Physics</i> , 2021 , 267, 124613	4.4	15
57	Zeolite/Cellulose Acetate (ZCA) in Blend Fiber for Adsorption of Erythromycin Residue From Pharmaceutical Wastewater: Experimental and Theoretical Study. <i>Frontiers in Chemistry</i> , 2021 , 9, 709600 ⁵		0
56	Designing of phosphorous based highly functional dendrimeric macromolecular resin as an effective coating material for carbon steel in NaCl: Computational and experimental studies. <i>Journal of Applied Polymer Science</i> , 2021 , 138, 49673	2.9	12
55	Evaluation of Gloriosa superba seeds extract as corrosion inhibition for low carbon steel in sulfuric acidic medium: A combined experimental and computational studies. <i>Journal of Molecular Liquids</i> , 2021 , 323, 114958	6	29
54	Efficiency of magnetic chitosan supported on graphene for removal of perchlorate ions from wastewater. <i>Environmental Technology (United Kingdom)</i> , 2021 , 42, 1119-1131	2.6	4
53	The New Organic Molecule-Based Epoxy Resin as an Effective Corrosion Inhibitor for Mild Steel in Sulfuric Acid Medium. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2021 , 57, 199-210	0.9	3
52	Corrosion inhibition, surface adsorption and computational studies of Momordica charantia extract: a sustainable and green approach. <i>SN Applied Sciences</i> , 2021 , 3, 1	1.8	11
51	Study of the adsorption of nickel ions on the sea shells of Mehdia: Kinetic and thermodynamic study and mathematical modelling of experimental data. <i>Materials Today: Proceedings</i> , 2021 , 45, 7494-7500	1.4	5
50	Dendrimeric Epoxy Resins Based on Hexachlorocyclotriphosphazene as a Reactive Flame Retardant Polymeric Materials: A Review. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2021 , 31, 3240-3261	3.2	9
49	Investigation of plant waste as a renewable biomass source to develop efficient, economical and eco-friendly corrosion inhibitor. <i>Journal of Molecular Liquids</i> , 2021 , 335, 116184	6	14
48	Flame retardancy of an intumescent epoxy resin containing cyclotriphosphazene: experimental, computational and statistical studies. <i>Iranian Polymer Journal (English Edition)</i> , 2021 , 30, 1169	2.3	2
47	Calotropis procera extract as an environmental friendly corrosion inhibitor: Computational demonstrations. <i>Journal of Molecular Liquids</i> , 2021 , 337, 116954	6	10
46	Adsorption of a cationic dye (Safranin) by artificial cationic resins Amberlite [®] IRC-50: Equilibrium, kinetic and thermodynamic study. <i>Chemical Data Collections</i> , 2021 , 35, 100756	2.1	6
45	Papaver somniferum as an efficient corrosion inhibitor for iron alloy in acidic condition: DFT, MC simulation, LCMS and electrochemical studies. <i>Journal of Molecular Structure</i> , 2021 , 1242, 130822	3.4	13
44	Novel, Environment-Friendly Cellulose-Based Derivatives for Tetraconazole Removal from Aqueous Solution. <i>Polymers</i> , 2021 , 13,	4.5	3
43	Fabrication on designing of a macromolecular epoxy resin as anti-corrosive coating material for electrocatalytically deposited cadmium on 15CDV6 steel in 3% NaCl solution. <i>Journal of Materials Research and Technology</i> , 2020 , 9, 5549-5563	5.5	6
42	Rheological properties of composite polymers and hybrid nanocomposites. <i>Heliyon</i> , 2020 , 6, e04187	3.6	43
41	Epoxy resins and their zinc composites as novel anti-corrosive materials for copper in 3% sodium chloride solution: Experimental and computational studies. <i>Journal of Molecular Liquids</i> , 2020 , 315, 113757	6	26

40	Trifunctional epoxy polymer as corrosion inhibition material for carbon steel in 1.0M HCl: MD simulations, DFT and complexation computations. <i>Inorganic Chemistry Communication</i> , 2020 , 115, 107858	3.1	91
39	Synthesis of Macromolecular Aromatic Epoxy Resins as Anticorrosive Materials: Computational Modeling Reinforced Experimental Studies. <i>ACS Omega</i> , 2020 , 5, 3151-3164	3.9	8
38	Fabrication of polymer based epoxy resin as effective anti-corrosive coating for steel: Computational modeling reinforced experimental studies. <i>Surfaces and Interfaces</i> , 2020 , 18, 100454	4.1	47
37	Highly durable macromolecular epoxy resin as anticorrosive coating material for carbon steel in 3% NaCl: Computational supported experimental studies. <i>Journal of Applied Polymer Science</i> , 2020 , 137, 49003	2.9	44
36	Highly functionalized epoxy macromolecule as an anti-corrosive material for carbon steel: Computational (DFT, MDS), surface (SEM-EDS) and electrochemical (OCP, PDP, EIS) studies. <i>Journal of Molecular Liquids</i> , 2020 , 302, 112535	6	39
35	New Epoxy sugar based glucose derivatives as eco friendly corrosion inhibitors for the carbon steel in 1.0M HCl: Experimental and theoretical investigations. <i>Journal of Alloys and Compounds</i> , 2020 , 833, 154949	5.7	71
34	Development and potential performance of prepolymer in corrosion inhibition for carbon steel in 1.0M HCl: Outlooks from experimental and computational investigations. <i>Journal of Colloid and Interface Science</i> , 2020 , 574, 43-60	9.3	106
33	Rheological and Electrical Study of a Composite Material Based on an Epoxy Polymer Containing Cyclotriphosphazene. <i>Polymers</i> , 2020 , 12,	4.5	11
32	Epoxy prepolymer as a novel anti-corrosive material for carbon steel in acidic solution: Electrochemical, surface and computational studies. <i>Materials Today Communications</i> , 2020 , 22, 100800	2.5	20
31	Epoxy resin and TiO ₂ composite as anticorrosive material for carbon steel in 3% NaCl medium: Experimental and computational studies. <i>Journal of Molecular Liquids</i> , 2020 , 317, 114249	6	7
30	Trifunctional epoxy resin as anticorrosive material for carbon steel in 1 M HCl: Experimental and computational studies. <i>Surfaces and Interfaces</i> , 2020 , 21, 100707	4.1	6
29	Epoxy resins as anticorrosive polymeric materials: A review. <i>Reactive and Functional Polymers</i> , 2020 , 156, 104741	4.6	58
28	Development and Anti-corrosion Performance of Polymeric Epoxy Resin and their Zinc Phosphate Composite on 15CDV6 Steel in 3wt% NaCl: Experimental and Computational Studies. <i>Journal of Bio-and Tribo-Corrosion</i> , 2020 , 6, 1	2.9	9
27	Magnetic Multiwall Carbon Nanotube Decorated with Novel Functionalities: Synthesis and Application as Adsorbents for Lead Removal from Aqueous Medium. <i>Processes</i> , 2020 , 8, 986	2.9	7
26	DGEBA-polyaminoamide as effective anti-corrosive material for 15CDV6 steel in NaCl medium: Computational and experimental studies. <i>Journal of Applied Polymer Science</i> , 2020 , 137, 48402	2.9	51
25	Cyclotriphosphazene based dendrimeric epoxy resin as an anti-corrosive material for copper in 3% NaCl: Experimental and computational demonstrations. <i>Journal of Molecular Liquids</i> , 2020 , 308, 113020	6	13
24	Carboxymethylated pulp as starting point to prepare hydroxypropylmethyl cellulose with enhanced gel rheological properties in an aqueous medium. <i>BioResources</i> , 2020 , 16, 1453-1468	1.3	
23	Anticorrosive Formulation Based of the Epoxy ResinPolyaminoamide Containing Zinc Phosphate Inhibitive Pigment Applied on Sulfo-Tartaric Anodized AA 7075-T6 in NaCl Medium. <i>Journal of Bio-and Tribo-Corrosion</i> , 2019 , 5, 1	2.9	16

22	Polymeric-Based Epoxy Cured with a Polyaminoamide as an Anticorrosive Coating for Aluminum 2024-T3 Surface: Experimental Studies Supported by Computational Modeling. <i>Journal of Bio- and Tribo-Corrosion</i> , 2019 , 5, 1	2.9	48
21	Adsorption and anticorrosive behavior of aromatic epoxy monomers on carbon steel corrosion in acidic solution: computational studies and sustained experimental studies.. <i>RSC Advances</i> , 2019 , 9, 14782-14796	3.7	35
20	Anticorrosive property of heterocyclic based epoxy resins on carbon steel corrosion in acidic medium: Electrochemical, surface morphology, DFT and Monte Carlo simulation studies. <i>Journal of Molecular Liquids</i> , 2019 , 287, 110977	6	31
19	Anticorrosive properties of Hexa (3-methoxy propan-1,2-diol) cyclotri-phosphazene compound for carbon steel in 3% NaCl medium: gravimetric, electrochemical, DFT and Monte Carlo simulation studies. <i>Heliyon</i> , 2019 , 5, e01340	3.6	47
18	Novel derivative epoxy resin TGETET as a corrosion inhibition of E24 carbon steel in 1.0 M HCl solution. Experimental and computational (DFT and MD simulations) methods. <i>Journal of Molecular Liquids</i> , 2019 , 284, 182-192	6	106
17	Rheological, electrochemical, surface, DFT and molecular dynamics simulation studies on the anticorrosive properties of new epoxy monomer compound for steel in 1M HCl solution.. <i>RSC Advances</i> , 2019 , 9, 4454-4462	3.7	47
16	Epoxy pre-polymers as new and effective materials for corrosion inhibition of carbon steel in acidic medium: Computational and experimental studies. <i>Scientific Reports</i> , 2019 , 9, 11715	4.9	55
15	Investigation of structure and rheological behavior of a new epoxy polymer pentaglycidyl ether pentabispfenol A of phosphorus and of its composite with natural phosphate. <i>SN Applied Sciences</i> , 2019 , 1, 1	1.8	14
14	Dual Component Polymeric Epoxy-Polyaminoamide Based Zinc Phosphate Anticorrosive Formulation for 15CDV6 Steel. <i>Coatings</i> , 2019 , 9, 463	2.9	15
13	Development rheological and anti-corrosion property of epoxy polymer and its composite. <i>Heliyon</i> , 2019 , 5, e02789	3.6	44
12	Synthesis, characterization and rheological properties of epoxy monomers derived from bifunctional aromatic amines. <i>Polymer Bulletin</i> , 2019 , 76, 4399-4413	2.4	15
11	The Role of Zinc Phosphate Pigment in the Anticorrosion Properties of Bisphenol A Diglycidyl Ether-Polyaminoamide Coating for Aluminum Alloy AA2024-T3. <i>Journal of Bio- and Tribo-Corrosion</i> , 2019 , 5, 1	2.9	23
10	Anticorrosive Performance of New Epoxy-Amine Coatings Based on Zinc Phosphate Tetrahydrate as a Nontoxic Pigment for Carbon Steel in NaCl Medium. <i>Arabian Journal for Science and Engineering</i> , 2018 , 43, 5977-5987	2.5	25
9	Anticorrosive Performance Approach Combining an Epoxy Polyaminoamide Zinc Phosphate Coatings Applied on Sulfo-tartaric Anodized Aluminum Alloy 5086. <i>Journal of Bio- and Tribo-Corrosion</i> , 2018 , 4, 1	2.9	23
8	Phosphorous-based epoxy resin composition as an effective anticorrosive coating for steel. <i>International Journal of Industrial Chemistry</i> , 2018 , 9, 231-240	3.1	31
7	New and Green Corrosion Inhibitor Based on New Imidazole Derivate for Carbon Steel in 1 M Hcl Medium: Experimental and Theoretical Analyses. <i>International Journal of Engineering Research in Africa</i> , 2018 , 58, 11-44	0.7	9
6	The efficiency of removal of organophosphorus malathion pesticide using functionalized multi-walled carbon nanotube: Impact of Dissolved Organic Matter (DOM). <i>Separation Science and Technology</i> , 1-12	2.5	2
5	Design, synthesis and antimicrobial properties of cellulose-based amine film. <i>Polymer Bulletin</i> , 1	2.4	1

4	Rheological and simulation for macromolecular matrix epoxy bi-functional aromatic amines. <i>Polymer Bulletin</i> ,1	2.4	2
3	Recent progress in epoxy resins as corrosion inhibitors: design and performance. <i>Journal of Adhesion Science and Technology</i> ,1-22	2	3
2	N-hydroxypyrazine-2-carboxamide as a new and green corrosion inhibitor for mild steel in acidic medium: experimental, surface morphological and theoretical approach. <i>Journal of Adhesion Science and Technology</i> ,1-21	2	0
1	Functionalized Nanomaterials for Corrosion Mitigation: Synthesis, Characterization & Applications. <i>ACS Symposium Series</i> ,67-85	0.4	