

Saranya Jagadeesan

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

729
citations

706676

14
h-index

591227

27
g-index

34
all docs

34
docs citations

34
times ranked

606
citing authors

#	ARTICLE	IF	CITATIONS
1	Isoxazoline Derivatives as Inhibitors for Mild Steel Corrosion in 1M H ₂ SO ₄ : Computational and Experimental Investigations. <i>Journal of Materials Engineering and Performance</i> , 2022, 31, 7204-7219.	1.2	2
2	Recent reviews on bio-waste materials for corrosion protection of metals. <i>Corrosion Reviews</i> , 2022, 40, 335-342.	1.0	3
3	Investigation of AISI 904L austenitic stainless steel by carbonitriding process under dry sliding conditions. <i>Materials Today: Proceedings</i> , 2021, 44, 1418-1422.	0.9	4
4	Examination on dry sliding wear behavior of AISI 304 stainless steel treated with salt bath nitriding process. <i>Materials Today: Proceedings</i> , 2021, 44, 1412-1417.	0.9	10
5	Microstructure analysis and wear characterization of AISI 316 austenitic stainless steel by cyaniding process. <i>Materials Today: Proceedings</i> , 2021, 44, 1455-1458.	0.9	0
6	Quinoxaline derivatives as anticorrosion additives for metals. <i>Corrosion Reviews</i> , 2021, 39, 79-92.	1.0	12
7	Aminothiazolyl coumarin derivatives as effectual inhibitors to alleviate corrosion on mild steel in 0.5M H ₂ SO ₄ . <i>Journal of Applied Electrochemistry</i> , 2021, 51, 1323-1344.	1.5	6
8	Assessment of AISI 304 stainless steel by cyaniding process under dry sliding conditions. <i>Materials Today: Proceedings</i> , 2021, 44, 1536-1539.	0.9	0
9	Dry sliding wear behavior of treated AISI 304 stainless steel by gas nitriding processes. <i>Materials Today: Proceedings</i> , 2021, 44, 1406-1411.	0.9	5
10	Effect of Aqueous Soluted Nitriding Process on AISI 304 Austenitic Stainless Steel under Dry Sliding Conditions. <i>E3S Web of Conferences</i> , 2021, 309, 01066.	0.2	17
11	Dry Sliding Wear Behavior of Austenitic Stainless Steel Material by Gas Nitriding Process. <i>E3S Web of Conferences</i> , 2021, 309, 01181.	0.2	7
12	Influence of Annealing Process on Wear Resistance of AISI 431 Martensitic Stainless Steel. <i>E3S Web of Conferences</i> , 2021, 309, 01125.	0.2	8
13	Synthesis and Theoretical Study of Novel Imidazo[4,5-b]pyrazine-Conjugated Benzamides as Potential Anticancer Agents. <i>Russian Journal of Organic Chemistry</i> , 2021, 57, 1487-1494.	0.3	1
14	Experimental and computational approaches on the pyran derivatives for acid corrosion. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 603, 125231.	2.3	60
15	Tetradentate Schiff Base Complexes of Transition Metals for Antimicrobial Activity. <i>Arabian Journal for Science and Engineering</i> , 2020, 45, 4683-4695.	1.7	25
16	Thiazolo thiadiazole derivatives as anti-corrosion additives for acid corrosion. <i>Chemical Data Collections</i> , 2020, 26, 100358.	1.1	29
17	Assessment of AISI 431Grade Stainless Steel properties by Vacuum Tempering Process. <i>E3S Web of Conferences</i> , 2020, 184, 01022.	0.2	21
18	IMPROVEMENT OF CHARACTERISTICS OF AISI 310 GRADE STAINLESS STEEL MATERIAL BY CARBURIZING. <i>E3S Web of Conferences</i> , 2020, 184, 01023.	0.2	20

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19	Wear on Thermal & Plasma Spray Coated Al-2014 Alloy under Dry Sliding Conditions. International Journal of Engineering and Advanced Technology, 2019, 9, 2074-2077.	0.2	0
20	Recent reviews on quinoline derivatives as corrosion inhibitors. Corrosion Reviews, 2018, 36, 365-371.	1.0	25
21	Adsorption characteristics of Iota-carrageenan and Inulin biopolymers as potential corrosion inhibitors at mild steel/sulphuric acid interface. Journal of Molecular Liquids, 2017, 232, 9-19.	2.3	82
22	Polyamidoaminoepichlorohydrin resin a novel synthetic anti-corrosive water soluble polymer for mild steel. Progress in Organic Coatings, 2017, 109, 117-125.	1.9	22
23	Synthesis and characterization of dextrin-based polymer electrolytes for potential applications in energy storage devices. Ionics, 2017, 23, 3377-3388.	1.2	50
24	Synthesis, characterization and biological evaluation of Ru(III) mercaptopyrimidine Schiff base complexes. Applied Organometallic Chemistry, 2017, 31, e3760.	1.7	9
25	Corrosion inhibition and adsorption behaviour of some bis-pyrimidine derivatives on mild steel in acidic medium. Journal of Molecular Liquids, 2017, 225, 406-417.	2.3	102
26	N-heterocycles as corrosion inhibitors for mild steel in acid medium. Journal of Molecular Liquids, 2016, 216, 42-52.	2.3	94
27	Soya bean oil based polyurethanes for corrosion inhibition of mild steel in acid medium. Journal of Adhesion Science and Technology, 2016, 30, 468-493.	1.4	9
28	Corrosion inhibition property of polyester groundnut shell biodegradable composite. Ecotoxicology and Environmental Safety, 2016, 134, 319-326.	2.9	5
29	Acenaphtho[1,2-b]quinoxaline and acenaphtho[1,2-b]pyrazine as corrosion inhibitors for mild steel in acid medium. Measurement: Journal of the International Measurement Confederation, 2016, 77, 175-186.	2.5	74
30	Quantum Chemical Study on the Corrosion Inhibition Property of Some Heterocyclic Azole Derivatives. Oriental Journal of Chemistry, 2015, 31, 1741-1750.	0.1	14
31	Branched Polymers and their Application in Corrosion Inhibition for mild steel in 1M H ₂ SO ₄ medium. Oriental Journal of Chemistry, 2014, 30, 1971-1987.	0.1	2
32	Experimental and Quantum chemical studies on the inhibition potential of some Quinoxaline derivatives for mild steel in acid media. Oriental Journal of Chemistry, 2014, 30, 1719-1736.	0.1	8
33	Polyester-Tobacco Composite: A Novel Anticorrosion Material for Mild Steel in Acid Medium. Materials Focus, 2014, 3, 455-464.	0.4	1
34	Wear and microstructure analysis on AISI420 stainless steel by annealing & tempering process under dry sliding conditions. Advances in Materials and Processing Technologies, 0, , 1-11.	0.8	2