

Saranya Jagadeesan

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

729
citations

623699
14
h-index

526264
27
g-index

34
all docs

34
docs citations

34
times ranked

542
citing authors

#	ARTICLE	IF	CITATIONS
1	Isoxazoline Derivatives as Inhibitors for Mild Steel Corrosion in 1M H ₂ SO ₄ : Computational and Experimental Investigations. Journal of Materials Engineering and Performance, 2022, 31, 7204-7219.	2.5	2
2	Recent reviews on bio-waste materials for corrosion protection of metals. Corrosion Reviews, 2022, 40, 335-342.	2.0	3
3	Investigation of AISI 904L austenitic stainless steel by carbonitriding process under dry sliding conditions. Materials Today: Proceedings, 2021, 44, 1418-1422.	1.8	4
4	Examination on dry sliding wear behavior of AISI 304 stainless steel treated with salt bath nitriding process. Materials Today: Proceedings, 2021, 44, 1412-1417.	1.8	10
5	Microstructure analysis and wear characterization of AISI 316 austenitic stainless steel by cyaniding process. Materials Today: Proceedings, 2021, 44, 1455-1458.	1.8	0
6	Quinoxaline derivatives as anticorrosion additives for metals. Corrosion Reviews, 2021, 39, 79-92.	2.0	12
7	Aminothiazolyl coumarin derivatives as effectual inhibitors to alleviate corrosion on mild steel in 0.5M H ₂ SO ₄ . Journal of Applied Electrochemistry, 2021, 51, 1323-1344.	2.9	6
8	Assessment of AISI 304 stainless steel by cyaniding process under dry sliding conditions. Materials Today: Proceedings, 2021, 44, 1536-1539.	1.8	0
9	Dry sliding wear behavior of treated AISI 304 stainless steel by gas nitriding processes. Materials Today: Proceedings, 2021, 44, 1406-1411.	1.8	5
10	Effect of Aqueous Soluted Nitriding Process on AISI 304 Austenitic Stainless Steel under Dry Sliding Conditions. E3S Web of Conferences, 2021, 309, 01066.	0.5	17
11	Dry Sliding Wear Behavior of Austenitic Stainless Steel Material by Gas Nitriding Process. E3S Web of Conferences, 2021, 309, 01181.	0.5	7
12	Influence of Annealing Process on Wear Resistance of AISI 431 Martensitic Stainless Steel. E3S Web of Conferences, 2021, 309, 01125.	0.5	8
13	Synthesis and Theoretical Study of Novel Imidazo[4,5-b]pyrazine-Conjugated Benzamides as Potential Anticancer Agents. Russian Journal of Organic Chemistry, 2021, 57, 1487-1494.	0.8	1
14	Experimental and computational approaches on the pyran derivatives for acid corrosion. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 603, 125231.	4.7	60
15	Tetradentate Schiff Base Complexes of Transition Metals for Antimicrobial Activity. Arabian Journal for Science and Engineering, 2020, 45, 4683-4695.	3.0	25
16	Thiazolo thiadiazole derivatives as anti-corrosion additives for acid corrosion. Chemical Data Collections, 2020, 26, 100358.	2.3	29
17	Assessment of AISI 431Grade Stainless Steel properties by Vacuum Tempering Process. E3S Web of Conferences, 2020, 184, 01022.	0.5	21
18	IMPROVEMENT OF CHARACTERISTICS OF AISI 310 GRADE STAINLESS STEEL MATERIAL BY CARBURIZING. E3S Web of Conferences, 2020, 184, 01023.	0.5	20

#	ARTICLE	IF	CITATIONS
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.	0.3	0
20	Recent reviews on quinoline derivatives as corrosion inhibitors. Corrosion Reviews, 2018, 36, 365-371.	2.0	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.	4.9	82
22	Polyamidoaminoepichlorohydrin resin a novel synthetic anti-corrosive water soluble polymer for mild steel. Progress in Organic Coatings, 2017, 109, 117-125.	3.9	22
23	Synthesis and characterization of dextrin-based polymer electrolytes for potential applications in energy storage devices. Ionics, 2017, 23, 3377-3388.	2.4	50
24	Synthesis, characterization and biological evaluation of Ru(III) mercaptopyrimidine Schiff base complexes. Applied Organometallic Chemistry, 2017, 31, e3760.	3.5	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.	4.9	102
26	N-heterocycles as corrosion inhibitors for mild steel in acid medium. Journal of Molecular Liquids, 2016, 216, 42-52.	4.9	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.	2.6	9
28	Corrosion inhibition property of polyester-“groundnut shell biodegradable composite. Ecotoxicology and Environmental Safety, 2016, 134, 319-326.	6.0	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.	5.0	74
30	Quantum Chemical Study on the Corrosion Inhibition Property of Some Heterocyclic Azole Derivatives. Oriental Journal of Chemistry, 2015, 31, 1741-1750.	0.3	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.	0.3	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.	0.3	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.	1.4	2