

Venkatesan Hemapriya

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

851
citations

567281

15
h-index

642732

23
g-index

26
all docs

26
docs citations

26
times ranked

523
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly efficient <i>Ligularia fischeri</i> green extract for the protection against corrosion of mild steel in acidic medium: Electrochemical and spectroscopic investigations. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 59, 553-562.	5.3	108
2	<i>Aster koraiensis</i> as nontoxic corrosion inhibitor for mild steel in sulfuric acid. <i>Journal of Industrial and Engineering Chemistry</i> , 2017, 52, 235-242.	5.8	106
3	Evaluation of polyphenol composition and anti-corrosion properties of <i>Cryptostegia grandiflora</i> plant extract on mild steel in acidic medium. <i>Journal of Industrial and Engineering Chemistry</i> , 2016, 37, 47-56.	5.8	95
4	Implications of eco-addition inhibitor to mitigate corrosion in reinforced steel embedded in concrete. <i>Construction and Building Materials</i> , 2019, 213, 246-256.	7.2	63
5	<i>Tragia plukenetii</i> extract as an eco-friendly inhibitor for mild steel corrosion in HCl 1M acidic medium. <i>Research on Chemical Intermediates</i> , 2016, 42, 3703-3719.	2.7	60
6	Dry and wet lab analysis on benzofused heterocyclic compounds as effective corrosion inhibitors for mild steel in acidic medium. <i>Journal of Industrial and Engineering Chemistry</i> , 2016, 40, 106-117.	5.8	58
7	<i>Rhus verniciflua</i> as a green corrosion inhibitor for mild steel in 1 M H ₂ SO ₄ . <i>RSC Advances</i> , 2016, 6, 57144-57153.	3.6	57
8	Inhibition of mild steel corrosion using <i>Magnolia kobus</i> extract in sulphuric acid medium. <i>Materials Today Communications</i> , 2020, 25, 101687.	1.9	34
9	β-Sitosterol isolated from rice hulls as an efficient corrosion inhibitor for mild steel in acidic environments. <i>New Journal of Chemistry</i> , 2017, 41, 3900-3907.	2.8	32
10	Inhibition behavior of <i>Tragia involucrata</i> L. phenolic compounds against acidic medium corrosion in low carbon steel surface. <i>Chinese Journal of Chemical Engineering</i> , 2019, 27, 717-725.	3.5	32
11	Linear polyesters as effective corrosion inhibitors for steel rebars in chloride induced alkaline medium – An electrochemical approach. <i>Construction and Building Materials</i> , 2018, 165, 866-876.	7.2	29
12	Experimental and theoretical studies on inhibition of benzothiazines against corrosion of mild steel in acidic medium. <i>Anti-Corrosion Methods and Materials</i> , 2017, 64, 306-314.	1.5	24
13	Utilization of biowaste as an eco-friendly biodegradable corrosion inhibitor for mild steel in 1Mol/L HCl solution. <i>Arabian Journal of Chemistry</i> , 2020, 13, 8684-8696.	4.9	22
14	Assessment of Low Carbon Steel Corrosion Inhibition by Eco-Friendly Green <i>Chaenomeles sinensis</i> Extract in Acid Medium. <i>Journal of Electrochemical Science and Technology</i> , 2018, 9, 238-249.	2.2	18
15	Synergistic effect of antibiotics on the inhibition property of aminothiazolyl coumarin for corrosion of mild steel in 0.5M H ₂ SO ₄ . <i>Journal of Molecular Liquids</i> , 2019, 284, 316-327.	4.9	17
16	<i>Liriope platyphylla</i> extract as a green inhibitor for mild steel corrosion in sulfuric acid medium. <i>Chemical Engineering Communications</i> , 2021, 208, 72-88.	2.6	15
17	Floxacin: as Mediators in Enhancing the Corrosion Inhibition Efficiency of Natural Polymer Dextrin. <i>Macromolecular Research</i> , 2020, 28, 558-566.	2.4	11
18	Synthesis and crystal growth of cadmium naphthoate crystal for second order non-linear optics and cytotoxic activity. <i>Journal of Dispersion Science and Technology</i> , 0, , 1-17.	2.4	11

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19	Anti-corrosive potential of <i>Cyperus rotundus</i> as a viable corrosion inhibitor for mild steel in sulphuric acid. <i>Pigment and Resin Technology</i> , 2020, 49, 295-304.	0.9	10
20	Inhibitory effect of biowaste on copper corrosion in 1% M HCl solution. <i>Materials Today Communications</i> , 2021, 27, 102249.	1.9	10
21	Evaluation of Antioxidant and Anticorrosion Properties of <i>Epipremnum aureum</i> . <i>Arabian Journal for Science and Engineering</i> , 2019, 44, 169-178.	3.0	9
22	CORROSION INHIBITION BEHAVIOR OF BENZOTHAZINE DERIVATIVE ON LOW CARBON STEEL IN ACID MEDIUM: ADSORPTION AND QUANTUM CHEMICAL INVESTIGATIONS. <i>Surface Review and Letters</i> , 2019, 26, 1950066.	1.1	9
23	ACTIVE-POLYPHENOLIC-COMPOUNDS-RICH GREEN INHIBITOR FOR THE SURFACE PROTECTION OF LOW CARBON STEEL IN ACIDIC MEDIUM. <i>Surface Review and Letters</i> , 2020, 27, 1950154.	1.1	9
24	Electrochemical and nonelectrochemical analyses of cardo polyesters at the metal/0.5 M H ₂ SO ₄ interface for corrosion protection. <i>Research on Chemical Intermediates</i> , 2019, 45, 5425-5449.	2.7	8
25	A two-step strategy to synthesis new aminoguanidinium complexes: cytotoxic effect and perspectives. <i>Inorganic and Nano-Metal Chemistry</i> , 0, , 1-19.	1.6	3