

Venkatesan Hemapriya

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

851
citations

567281

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642732

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26
all docs

26
docs citations

26
times ranked

523
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>Liriope platyphylla</i> extract as a green inhibitor for mild steel corrosion in sulfuric acid medium. Chemical Engineering Communications, 2021, 208, 72-88.	2.6	15
2	Inhibitory effect of biowaste on copper corrosion in 1â€‰%M HCl solution. Materials Today Communications, 2021, 27, 102249.	1.9	10
3	Inhibition of mild steel corrosion using Magnolia kobus extract in sulphuric acid medium. Materials Today Communications, 2020, 25, 101687.	1.9	34
4	Anti-corrosive potential of <i>Cyperus rotundus</i> as a viable corrosion inhibitor for mild steel in sulphuric acid. Pigment and Resin Technology, 2020, 49, 295-304.	0.9	10
5	Utilization of biowaste as an eco-friendly biodegradable corrosion inhibitor for mild steel in 1Âmol/L HCl solution. Arabian Journal of Chemistry, 2020, 13, 8684-8696.	4.9	22
6	Floxacin: as Mediators in Enhancing the Corrosion Inhibition Efficiency of Natural Polymer Dextrin. Macromolecular Research, 2020, 28, 558-566.	2.4	11
7	ACTIVE-POLYPHENOLIC-COMPOUNDS-RICH GREEN INHIBITOR FOR THE SURFACE PROTECTION OF LOW CARBON STEEL IN ACIDIC MEDIUM. Surface Review and Letters, 2020, 27, 1950154.	1.1	9
8	Evaluation of Antioxidant and Anticorrosion Properties of Epipremnum aureum. Arabian Journal for Science and Engineering, 2019, 44, 169-178.	3.0	9
9	Electrochemical and nonelectrochemical analyses of cardo polyesters at the metal/0.5ÂM H ₂ SO ₄ interface for corrosion protection. Research on Chemical Intermediates, 2019, 45, 5425-5449.	2.7	8
10	Implications of eco-addition inhibitor to mitigate corrosion in reinforced steel embedded in concrete. Construction and Building Materials, 2019, 213, 246-256.	7.2	63
11	Synergistic effect of antibiotics on the inhibition property of aminothiazolyl coumarin for corrosion of mild steel in 0.5â€‰M H ₂ SO ₄ . Journal of Molecular Liquids, 2019, 284, 316-327.	4.9	17
12	CORROSION INHIBITION BEHAVIOR OF BENZOTHIAZINE DERIVATIVE ON LOW CARBON STEEL IN ACID MEDIUM: ADSORPTION AND QUANTUM CHEMICAL INVESTIGATIONS. Surface Review and Letters, 2019, 26, 1950066.	1.1	9
13	Inhibition behavior of Tragia involucrata L. phenolic compounds against acidic medium corrosion in low carbon steel surface. Chinese Journal of Chemical Engineering, 2019, 27, 717-725.	3.5	32
14	Linear polyesters as effective corrosion inhibitors for steel rebars in chloride induced alkaline medium â€“ An electrochemical approach. Construction and Building Materials, 2018, 165, 866-876.	7.2	29
15	Assessment of Low Carbon Steel Corrosion Inhibition by Eco-Friendly Green Chaenomeles sinensis Extract in Acid Medium. Journal of Electrochemical Science and Technology, 2018, 9, 238-249.	2.2	18
16	Experimental and theoretical studies on inhibition of benzothiazines against corrosion of mild steel in acidic medium. Anti-Corrosion Methods and Materials, 2017, 64, 306-314.	1.5	24
17	Aster koraiensis as nontoxic corrosion inhibitor for mild steel in sulfuric acid. Journal of Industrial and Engineering Chemistry, 2017, 52, 235-242.	5.8	106
18	Î²-Sitosterol isolated from rice hulls as an efficient corrosion inhibitor for mild steel in acidic environments. New Journal of Chemistry, 2017, 41, 3900-3907.	2.8	32

#	ARTICLE	IF	CITATIONS
19	Rhus verniciflua as a green corrosion inhibitor for mild steel in 1 M H ₂ SO ₄ . RSC Advances, 2016, 6, 57144-57153.	3.6	57
20	Dry and wet lab analysis on benzofused heterocyclic compounds as effective corrosion inhibitors for mild steel in acidic medium. Journal of Industrial and Engineering Chemistry, 2016, 40, 106-117.	5.8	58
21	Evaluation of polyphenol composition and anti-corrosion properties of Cryptostegia grandiflora plant extract on mild steel in acidic medium. Journal of Industrial and Engineering Chemistry, 2016, 37, 47-56.	5.8	95
22	Highly efficient Ligularia fischeri green extract for the protection against corrosion of mild steel in acidic medium: Electrochemical and spectroscopic investigations. Journal of the Taiwan Institute of Chemical Engineers, 2016, 59, 553-562.	5.3	108
23	Tragia plukenetii extract as an eco-friendly inhibitor for mild steel corrosion in HCl 1M acidic medium. Research on Chemical Intermediates, 2016, 42, 3703-3719.	2.7	60
24	Synthesis and crystal growth of cadmium naphthoate crystal for second order non-linear optics and cytotoxic activity. Journal of Dispersion Science and Technology, 0, , 1-17.	2.4	11
25	A two-step strategy to synthesis new aminoguanidinium complexes: cytotoxic effect and perspectives. Inorganic and Nano-Metal Chemistry, 0, , 1-19.	1.6	3