

Kikkeri Mohana

List of Publications by Year in descending order

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38
papers

842
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567281

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docs citations

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times ranked

1008
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermodynamic, electrochemical and quantum chemical evaluation of some triazole Schiff bases as mild steel corrosion inhibitors in acid media. <i>Journal of Molecular Liquids</i> , 2015, 211, 1026-1038.	4.9	110
2	Synthesis of New Pyridine Based 1,3,4-Oxadiazole Derivatives and their Corrosion Inhibition Performance on Mild Steel in 0.5 M Hydrochloric Acid. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 2092-2105.	3.7	88
3	Functionalized graphene oxide-epoxy phenolic novolac nanocomposite: an efficient anticorrosion coating on mild steel in saline medium. <i>Advanced Composites and Hybrid Materials</i> , 2020, 3, 141-155.	21.1	65
4	Functionalized multi-walled carbon nanotube/polyindole incorporated epoxy: An effective anti-corrosion coating material for mild steel. <i>Journal of Alloys and Compounds</i> , 2021, 856, 158057.	5.5	65
5	Corrosion protection performance of functionalized graphene oxide nanocomposite coating on mild steel. <i>Surfaces and Interfaces</i> , 2018, 11, 63-73.	3.0	55
6	Evaluation of anti-corrosion performance of modified gelatin-graphene oxide nanocomposite dispersed in epoxy coating on mild steel in saline media. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 587, 124341.	4.7	51
7	Synthesis and biological activity of some pyrimidine derivatives. <i>Drug Invention Today (discontinued)</i> , 2013, 5, 216-222.	0.6	48
8	Synthesis and antiproliferative activity of some new fluorinated Schiff bases derived from 1,2,4-triazoles. <i>Journal of Fluorine Chemistry</i> , 2013, 156, 15-20.	1.7	43
9	Inhibition activity of new thiazole hydrazones towards mild steel corrosion in acid media by thermodynamic, electrochemical and quantum chemical methods. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 67, 521-531.	5.3	37
10	Synthesis and Antioxidant Activity of 2-Amino-5-methylthiazol Derivatives Containing 1,3,4-Oxadiazole-2-thiol Moiety. <i>ISRN Organic Chemistry</i> , 2013, 2013, 1-8.	1.0	26
11	Synthesis and biological activities of Schiff bases of gabapentin with different aldehydes and ketones: a structure-activity relationship study. <i>Medicinal Chemistry Research</i> , 2012, 21, 1-9.	2.4	23
12	Fabrication of ZnO/rGO and ZnO/MWCNT nanohybrids to reinforce the anticorrosion performance of polyurethane coating. <i>FlatChem</i> , 2020, 24, 100208.	5.6	20
13	Fabrication of graphene nanoribbon-based enzyme-free electrochemical sensor for the sensitive and selective analysis of rutin in tablets. <i>Journal of Applied Electrochemistry</i> , 2021, 51, 1047-1057.	2.9	20
14	Anticorrosion performance of 4-fluoro phenol functionalized graphene oxide nanocomposite coating on mild steel. <i>Journal of Fluorine Chemistry</i> , 2019, 228, 109392.	1.7	19
15	GNR@CeO ₂ heterojunction as a novel sonophotocatalyst: Degradation of tetracycline hydrochloride, kinetic modeling and synergistic effects. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 639, 128324.	4.7	16
16	Adsorption and corrosion inhibition characteristics of some organic molecules containing methoxy phenyl moiety on mild steel in hydrochloric acid solution. <i>Materials Discovery</i> , 2015, 2, 24-43.	3.3	13
17	Evaluation of newly synthesized hydrazones as mild steel corrosion inhibitors by adsorption, electrochemical, quantum chemical and morphological studies. <i>Arab Journal of Basic and Applied Sciences</i> , 2018, 25, 45-55.	2.1	13
18	Synthesis and in vitro antiproliferative activity of 2,5-disubstituted-1,3,4-oxadiazoles containing trifluoromethyl benzenesulfonamide moiety. <i>Medicinal Chemistry Research</i> , 2014, 23, 3363-3373.	2.4	12

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19	A Sustainable and Eco-Friendly Polymer Based Graphene Oxide Nanocomposite Anti-Corrosion Coating on Mild Steel. <i>ChemistrySelect</i> , 2020, 5, 1506-1515.	1.5	12
20	Oxidation of 2-Phenylethylamine with N-Bromosuccinimide in Acid and Alkaline Media: A Kinetic and Mechanistic Study. <i>Journal of the Chinese Chemical Society</i> , 2007, 54, 1223-1232.	1.4	10
21	Reduced graphene oxide-epoxidized linseed oil nanocomposite: A highly efficient bio-based anti-corrosion coating material for mild steel. <i>Progress in Organic Coatings</i> , 2021, 159, 106399.	3.9	10
22	Synthesis and <i>In Vivo</i> Anticonvulsant Activity of 2-Methyl-2-(3-(5-piperazin-1-yl-1,3,4-oxadiazol-2-yl)phenyl)propionitrile Derivatives. <i>Archiv Der Pharmazie</i> , 2014, 347, 256-267.	4.0	10
23	Development of Al ₂ O ₃ .ZnO/GO-phenolic formaldehyde amine derivative nanocomposite: A new hybrid anticorrosion coating material for mild steel. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 601, 125036.	4.7	9
24	Mechanistic investigation of the oxidation of vitamin B1 with sodium N-chlorobenzenesulfonamide in presence of ruthenium(III) catalyst in hydrochloric acid medium: a kinetic approach. <i>Monatshefte Für Chemie</i> , 2008, 139, 1203-1210.	1.8	8
25	An efficient and eco-friendly anti-corrosive system based on Beeswax- Graphene oxide nanocomposites on mild steel in saline medium. <i>Surfaces and Interfaces</i> , 2020, 18, 100393.	3.0	8
26	Garcinia gummigutta Vegetable Oil-Graphene Oxide Nano-composite: An Efficient and Eco-friendly Material for Corrosion Prevention of Mild Steel in Saline Medium. <i>Journal of Polymers and the Environment</i> , 2020, 28, 483-499.	5.0	8
27	The effect of sodium benzoate and sodium 4-(phenylamino)benzenesulfonate on the corrosion behavior of low carbon steel. <i>Monatshefte Für Chemie</i> , 2009, 140, 1-8.	1.8	7
28	Synthesis of Pyrazine Substituted 1,3,4-Thiadiazole Derivatives and Their Anticonvulsant Activity. <i>Organic Chemistry International</i> , 2013, 2013, 1-8.	1.0	6
29	Solution combustion synthesis of rGO-Fe ₂ O ₃ hybrid nanofiller for linseed oil based eco-friendly anticorrosion coating. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 633, 127863.	4.7	6
30	Synthesis, characterization, and in vitro antimicrobial evaluation of new 5-chloro-8-bromo-3-aryl-1,2,4-triazolo[4,3-c]pyrimidines. <i>Medicinal Chemistry Research</i> , 2014, 23, 445-453.	2.4	4
31	Comparative study of Levofloxacin and its amide derivative as efficient water soluble inhibitors for mild steel corrosion in hydrochloric acid solution. <i>International Journal of Industrial Chemistry</i> , 2017, 8, 1-15.	3.1	4
32	Fabrication of reduced graphene oxide/ruthenium oxide modified graphite electrode for voltammetric determination of tryptophan. <i>Graphene and 2D Materials Technologies</i> , 2021, 6, 25-34.	1.3	4
33	Functionalized graphene oxide dispersed polyvinyl alcohol-epoxidized linseed oil composite: An eco-friendly and promising anticorrosion coating material. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 650, 129382.	4.7	4
34	Synthesis and <i>In Vitro</i> Antimicrobial Evaluation of New 1,3,4-Oxadiazoles Bearing 5-Chloro-2-methoxyphenyl Moiety. <i>International Journal of Medicinal Chemistry</i> , 2013, 2013, 1-6.	2.2	3
35	The Effect of <i>Achyranthes aspera</i> Extracts on Mild Steel Corrosion in Industrial Water Medium. <i>ISRN Corrosion</i> , 2013, 2013, 1-9.	0.3	3
36	Fabrication of 1D graphene nanoribbon and malenized linseed oil-based nanocomposite: a highly impervious bio-based anti-corrosion coating material for mild steel. <i>Journal of Applied Electrochemistry</i> , 2022, 52, 1133-1148.	2.9	2

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37	Mechanistic Investigation of Oxidation of Phenylpropanolamine with <i>N</i> -Bromobenzenesulfonamide in Alkaline Medium: A Kinetic Approach. E-Journal of Chemistry, 2008, 5, 331-341.	0.5	1
38	Preparation of silver decorated reduced graphene oxide nanohybrid for effective photocatalytic degradation of indigo carmine dye. Journal of Photocatalysis, 2022, 03, .	0.4	0