Kikkeri Mohana

List of Publications by Year
in descending order

38	842	567281 15	501196 28
papers	citations	h-index	g-index

38	38	38	1008
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Solution combustion synthesis of rGO-Fe2O3 hybrid nanofiller for linseed oil based eco-friendly anticorrosion coating. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 633, 127863.	4.7	6
2	GNR@CeO2 heterojunction as a novel sonophotocatalyst: Degradation of tetracycline hydrochloride, kinetic modeling and synergistic effects. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 639, 128324.	4.7	16
3	Fabrication of 1D graphene nanoribbon and malenized linseed oil-based nanocomposite: a highly impervious bio-based anti-corrosion coating material for mild steel. Journal of Applied Electrochemistry, 2022, 52, 1133-1148.	2.9	2
4	Preparation of silver decorated reduced graphene oxide nanohybrid for effective photocatalytic degradation of indigo carmine dye. Journal of Photocatalysis, 2022, 03, .	0.4	0
5	Functionalized graphene oxide dispersed polyvinyl alcohol-epoxidized linseed oil composite: An eco-friendly and promising anticorrosion coating material. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 650, 129382.	4.7	4
6	Functionalized multi-walled carbon nanotube/polyindole incorporated epoxy: An effective anti-corrosion coating material for mild steel. Journal of Alloys and Compounds, 2021, 856, 158057.	5.5	65
7	Fabrication of graphene nanoribbon-based enzyme-free electrochemical sensor for the sensitive and selective analysis of rutin in tablets. Journal of Applied Electrochemistry, 2021, 51, 1047-1057.	2.9	20
8	Fabrication of reduced graphene oxide/ruthenium oxide modified graphite electrode for voltammetric determination of tryptophan. Graphene and 2D Materials Technologies, 2021, 6, 25-34.	1.3	4
9	Reduced graphene oxide-epoxidized linseed oil nanocomposite: A highly efficient bio-based anti-corrosion coating material for mild steel. Progress in Organic Coatings, 2021, 159, 106399.	3.9	10
10	An efficient and eco-friendly anti-corrosive system based on Beeswax- Graphene oxide nanocomposites on mild steel in saline medium. Surfaces and Interfaces, 2020, 18, 100393.	3.0	8
11	Evaluation of anti-corrosion performance of modified gelatin-graphene oxide nanocomposite dispersed in epoxy coating on mild steel in saline media. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 587, 124341.	4.7	51
12	Garcinia gummigutta Vegetable Oilâ€“Graphene Oxide Nano-composite: An Efficient and Eco-friendly Material for Corrosion Prevention of Mild Steel in Saline Medium. Journal of Polymers and the Environment, 2020, 28, 483-499.	5.0	8
13	Fabrication of ZnO/rGO and ZnO/MWCNT nanohybrids to reinforce the anticorrosion performance of polyurethane coating. FlatChem, 2020, 24, 100208.	5.6	20
14	Development of Al2O3.ZnO/GO-phenolic formaldehyde amine derivative nanocomposite: A new hybrid anticorrosion coating material for mild steel. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 601, 125036.	4.7	9
15	Functionalized graphene oxide-epoxy phenolic novolac nanocomposite: an efficient anticorrosion coating on mild steel in saline medium. Advanced Composites and Hybrid Materials, 2020, 3, 141-155.	21.1	65
16	A Sustainable and Ecoâ€Friendly Polymer Based Graphene Oxide Nanocomposite Antiâ€Corrosion Coating on Mild Steel. ChemistrySelect, 2020, 5, 1506-1515.	1.5	12
17	Anticorrosion performance of 4-fluoro phenol functionalized graphene oxide nanocomposite coating on mild steel. Journal of Fluorine Chemistry, 2019, 228, 109392.	1.7	19
18	Evaluation of newly synthesized hydrazones as mild steel corrosion inhibitors by adsorption, electrochemical, quantum chemical and morphological studies. Arab Journal of Basic and Applied Sciences, 2018, 25, 45-55.	2.1	13

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19	Corrosion protection performance of functionalized graphene oxide nanocomposite coating on mild steel. Surfaces and Interfaces, 2018, 11, 63-73.	3.0	55
20	Comparative study of Levofloxacin and its amide derivative as efficient water soluble inhibitors for mild steel corrosion in hydrochloric acid solution. International Journal of Industrial Chemistry, 2017, 8, 1-15.	3.1	4
21	Inhibition activity of new thiazole hydrazones towards mild steel corrosion in acid media by thermodynamic, electrochemical and quantum chemical methods. Journal of the Taiwan Institute of Chemical Engineers, 2016, 67, 521-531.	5.3	37
22	Adsorption and corrosion inhibition characteristics of some organic molecules containing methoxy phenyl moiety on mild steel in hydrochloric acid solution. Materials Discovery, 2015, 2, 24-43.	3.3	13
23	Thermodynamic, electrochemical and quantum chemical evaluation of some triazole Schiff bases as mild steel corrosion inhibitors in acid media. Journal of Molecular Liquids, 2015, 211, 1026-1038.	4.9	110
24	Synthesis, characterization, and in vitro antimicrobial evaluation of new 5-chloro-8-bromo-3-aryl-1,2,4-triazolo[4,3-c]pyrimidines. Medicinal Chemistry Research, 2014, 23, 445-453.	2.4	4
25	Synthesis and in vitro antiproliferative activity of 2,5-disubstituted-1,3,4-oxadiazoles containing trifluoromethyl benzenesulfonamide moiety. Medicinal Chemistry Research, 2014, 23, 3363-3373.	2.4	12
26	Synthesis and In Vivo Anticonvulsant Activity of 2â€Methylâ€2â€[3â€(5â€piperazinâ€1â€ylâ€[1,3,4]oxadiazolâ€2â€yl)â€phenyl]â€propionitrile Derivatives. Archiv der Pharmazie, 2014, 347, 256-267.	4.1	9
27	Synthesis of New Pyridine Based 1,3,4-Oxadiazole Derivatives and their Corrosion Inhibition Performance on Mild Steel in 0.5 M Hydrochloric Acid. Industrial & Engineering Chemistry Research, 2014, 53, 2092-2105.	3.7	88
28	Synthesis and antiproliferative activity of some new fluorinated Schiff bases derived from 1,2,4-triazoles. Journal of Fluorine Chemistry, 2013, 156, 15-20.	1.7	43
29	Synthesis and biological activity of some pyrimidine derivatives. Drug Invention Today (discontinued), 2013, 5, 216-222.	0.6	48
30	Synthesis and Antioxidant Activity of 2-Amino-5-methylthiazol Derivatives Containing 1,3,4-Oxadiazole-2-thiol Moiety. ISRN Organic Chemistry, 2013, 2013, 1-8.	1.0	26
31	Synthesis of Pyrazine Substituted 1,3,4-Thiadiazole Derivatives and Their Anticonvulsant Activity. Organic Chemistry International, 2013, 2013, 1-8.	1.0	6
32	Synthesis and In Vitro Antimicrobial Evaluation of New 1,3,4-Oxadiazoles Bearing 5-Chloro-2-methoxyphenyl Moiety. International Journal of Medicinal Chemistry, 2013, 2013, 1-6.	2.2	3
33	The Effect of Achyranthes aspera Extracts on Mild Steel Corrosion in Industrial Water Medium. ISRN Corrosion, 2013, 2013, 1-9.	0.3	3
34	Synthesis and biological activities of Schiff bases of gabapentin with different aldehydes and ketones: a structureâ€“activity relationship study. Medicinal Chemistry Research, 2012, 21, 1-9.	2.4	23
35	The effect of sodium benzoate and sodium 4-(phenylamino)benzenesulfonate on the corrosion behavior of low carbon steel. Monatshefte FÃ¼r Chemie, 2009, 140, 1-8.	1.8	7
36	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. Monatshefte FÃ¼r Chemie, 2008, 139, 1203-1210.	1.8	8

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37	Mechanistic Investigation of Oxidation of Phenylpropanolamine withN-Bromobenzenesulfonamide in Alkaline Medium: A Kinetic Approach. E-Journal of Chemistry, 2008, 5, 331-341.	0.5	1
38	Oxidation of 2-Phenylethylamine withN-Bromosuccinimide in Acid and Alkaline Media: A Kinetic and Mechanistic Study. Journal of the Chinese Chemical Society, 2007, 54, 1223-1232.	1.4	10