

# Raghavendra Bhat

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

33  
papers

247  
citations

9  
h-index

14  
g-index

36  
ext. papers

380  
ext. citations

2.4  
avg, IF

4.73  
L-index

#	Paper	IF	Citations
33	Green approach to inhibition of corrosion of aluminum in 0.5 M HCl medium by tender arecanut seed extract: insight from gravimetric and electrochemical studies. <i>Research on Chemical Intermediates</i> , <b>2016</b> , 42, 6351-6372	2.8	33
32	Conducting polymer based composites as efficient EMI shielding materials: A comprehensive review and future prospects. <i>Synthetic Metals</i> , <b>2021</b> , 272, 116664	3.6	31
31	Natural Products for Material Protection: An Interesting and Efficacious Anticorrosive Property of Dry Arecanut Seed Extract at Electrode (Aluminum) Electrolyte (Hydrochloric Acid) Interface. <i>Journal of Bio- and Tribo-Corrosion</i> , <b>2016</b> , 2, 1	2.9	20
30	Chemical components of mature areca nut husk extract as a potential corrosion inhibitor for mild steel and copper in both acid and alkali media. <i>Chemical Engineering Communications</i> , <b>2018</b> , 205, 145-160	2.2	17
29	Expired Lorazepam Drug: A Medicinal Compound as Green Corrosion Inhibitor for Mild Steel in Hydrochloric Acid System. <i>Chemistry Africa</i> , <b>2019</b> , 2, 463-470	2.2	14
28	Application of green products for industrially important materials protection: An amusing anticorrosive behavior of tender arecanut husk (green color) extract at metal-test solution interface. <i>Measurement: Journal of the International Measurement Confederation</i> , <b>2019</b> , 135, 625-639	4.6	12
27	Polyaniline/V <sub>2</sub> O <sub>5</sub> composites for anticorrosion and electromagnetic interference shielding. <i>Materials Chemistry and Physics</i> , <b>2021</b> , 259, 124059	4.4	12
26	Chemical and Electrochemical Studies on the Areca Fat as a Novel and Sustainable Corrosion Inhibitor for Industrially Important Materials in Hostile Fluid Environments. <i>Journal of Bio- and Tribo-Corrosion</i> , <b>2017</b> , 3, 1	2.9	9
25	Red Arecanut Seed Extract as a Sustainable Corrosion Inhibitor for Aluminum Submerged in Acidic Corrodent: An Experimental Approach Towards Zero Environmental Impact. <i>Periodica Polytechnica: Chemical Engineering</i> , <b>2018</b> , 62, 351-358	1.3	9
24	Inhibition of Al corrosion in 0.5 M HCl solution by Areca flower extract. <i>Journal of King Saud University, Engineering Sciences</i> , <b>2019</b> , 31, 202-208	2.2	9
23	Protection of Aluminium Metal in 0.5 M HCl Environment by Mature Arecanut Seed Extracts: A Comparative Study by Chemical, Electrochemical and Surface Probe Screening Techniques. <i>Journal of Physical Science</i> , <b>2018</b> , 29, 77-99	2	8
22	Anticorrosive polyaniline-coated copper oxide (PANI/CuO) nanocomposites with tunable electrical properties for broadband electromagnetic interference shielding. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2021</b> , 621, 126611	5.1	8
21	Green Compounds to Attenuate Aluminum Corrosion in HCl Activation: A Necessity Review. <i>Chemistry Africa</i> , <b>2020</b> , 3, 21-34	2.2	7
20	Efficiency of sapota leaf extract against aluminium corrosion in a 3 M sodium hydroxide hostile fluid atmosphere: a green and sustainable approach. <i>Bulletin of Materials Science</i> , <b>2019</b> , 42, 1	1.7	7
19	Anti-corrosion Properties of Areca Palm Leaf Extract on Aluminium in 0.5 M HCl Environment. <i>South African Journal of Chemistry</i> , <b>2018</b> , 71, 30-38	1.8	7
18	Promising EMI shielding effectiveness and anticorrosive properties of PANI-Nb <sub>2</sub> O <sub>5</sub> nanocomposites: Multifunctional approach. <i>Synthetic Metals</i> , <b>2021</b> , 275, 116744	3.6	7
17	Latest Exploration on Natural Corrosion Inhibitors for Industrial Important Metals in Hostile Fluid Environments: A Comprehensive Overview. <i>Journal of Bio- and Tribo-Corrosion</i> , <b>2019</b> , 5, 1	2.9	6

16	Areca Plant Extracts as a Green Corrosion Inhibitor of Carbon Steel Metal in 3 M Hydrochloric Acid: Gasometric, Colorimetry and Atomic Absorption Spectroscopy Views. <i>Journal of Molecular and Engineering Materials</i> , <b>2018</b> , 06, 1850004	1.3	5
15	Corrosion-resistant polypyrrole-banana carbon (PPy-BC) nanocomposites for protection against electromagnetic interference: a green approach. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2022</b> , 33, 1366	2.1	3
14	Expired Abacavir Sulfate Drug as Non-toxic Corrosion Inhibitor for Mild Steel (MS) in 3 M Hydrochloric Acid System. <i>Gazi University Journal of Science</i> , <b>2019</b> , 32, 1113-1121	0.6	3
13	Prevention of Aluminum Corrosion in Hydrochloric Acid Using Expired Oseltamivir Drug as an Inhibitor. <i>Journal of Failure Analysis and Prevention</i> , <b>2020</b> , 20, 1864-1874	0.9	3
12	Anti-corrosion Investigation of Polylysine (Amino Acid Polymer) as Efficacious Corrosion Inhibitor for Al in Industrial Acidic Pickling Environment. <i>Journal of Bio- and Tribo-Corrosion</i> , <b>2021</b> , 7, 1	2.9	3
11	An Environmentally Friendly Approach Towards Mitigation of Al Corrosion in Hydrochloric Acid by Yellow Colour Ripe Arecanut Husk Extract: Introducing Potential and Sustainable Inhibitor for Material Protection. <i>Journal of Bio- and Tribo-Corrosion</i> , <b>2018</b> , 4, 1	2.9	3
10	Antifebrin Drug Prepared via One-Stage Green Method as Sustainable Corrosion Inhibitor for Al in 3 M HCl Medium: Insight from Electrochemical, Gasometric, and Quantum Chemical Studies. <i>Surface Engineering and Applied Electrochemistry</i> , <b>2020</b> , 56, 235-241	0.8	2
9	Benevolent Behavior of Arecanut Husk Extracts as Potential Corrosion Inhibitor for Aluminum in both 0.5 M HCl and 0.1 M NaOH Environments. <i>Journal of Bio- and Tribo-Corrosion</i> , <b>2018</b> , 4, 1	2.9	2
8	Elaeocarpus Seed Extraction and Their Impact as a Corrosion Inhibitor for Mild Steel Submerged in HCl Wash Solution: Insight from Experimental, Mathematical, and Theoretical Views. <i>Journal of Failure Analysis and Prevention</i> , <b>2021</b> , 21, 958	0.9	2
7	An investigation of aluminum (Al-63400) corrosion inhibition in hydrochloric acid medium by semi-ripe arecanut husk extract: an eco-friendly suitable green inhibitor. <i>Euro-Mediterranean Journal for Environmental Integration</i> , <b>2019</b> , 4, 1	1.7	2
6	Expired Atenolol Drug: A Nontoxic Corrosion Inhibitor for Al in 3 M HCl Pickling Environment. <i>Journal of Molecular and Engineering Materials</i> , <b>2019</b> , 07, 1950009	1.3	1
5	Synthesis and exploration of anticancer activity of silver nanoparticles using Pandanus amaryllifolius Roxb. leaf extract: Promising approach against lung cancer and breast cancer cell lines. <i>Biologia (Poland)</i> , <b>2021</b> , 76, 3533	1.5	1
4	Optimization of anti-corrosion performance of novel magnetic polyaniline-Chitosan nanocomposite decorated with silver nanoparticles on Al in simulated acidizing environment using RSM.. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 195, 329-345	7.9	0
3	Green synthesis silver nanoparticles via Eichhornia Crassipes leaves extract and their applications. <i>Current Research in Green and Sustainable Chemistry</i> , <b>2021</b> , 4, 100212	4.1	0
2	Biogenesis of Silver Nanoparticles and Its Multifunctional Anti-Corrosion and Anticancer Studies. <i>Coatings</i> , <b>2021</b> , 11, 1215	2.9	0
1	Solvation Behavior of Phthalic Acid in Triple Distilled Water + Methanol at Various Temperatures: Insight from Shedlovsky and KrausBray Models. <i>Russian Journal of Physical Chemistry A</i> , <b>2022</b> , 96, 334-339	6.7	0