

# Sam John

## List of Publications by Citations

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26  
papers

549  
citations

14  
h-index

23  
g-index

26  
ext. papers

611  
ext. citations

3.2  
avg, IF

4.17  
L-index

#	Paper	IF	Citations
26	Enhancement of corrosion protection of mild steel by chitosan/ZnO nanoparticle composite membranes. <i>Progress in Organic Coatings</i> , <b>2015</b> , 84, 28-34	4.8	72
25	Effective inhibition of mild steel corrosion in 1 M hydrochloric acid using substituted triazines: an experimental and theoretical study. <i>RSC Advances</i> , <b>2012</b> , 2, 9944	3.7	50
24	Electro analytical, surface morphological and theoretical studies on the corrosion inhibition behavior of different 1,2,4-triazole precursors on mild steel in 1 M hydrochloric acid. <i>Materials Chemistry and Physics</i> , <b>2012</b> , 133, 1083-1091	4.4	46
23	Corrosion inhibition properties of 1,2,4-Hetrocyclic Systems: Electrochemical, theoretical and Monte Carlo simulation studies. <i>Egyptian Journal of Petroleum</i> , <b>2017</b> , 26, 721-732	3.4	39
22	Electrochemical, quantum chemical, and molecular dynamics studies on the interaction of 4-amino-4H,3,5-di(methoxy)-1,2,4-triazole (ATD), BATD, and DBATD on copper metal in 1N H <sub>2</sub> SO <sub>4</sub> . <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , <b>2011</b> , 62, 1031-1041	1.6	38
21	Corrosion inhibition of mild steel using chitosan / TiO <sub>2</sub> nanocomposite coatings. <i>Progress in Organic Coatings</i> , <b>2019</b> , 129, 254-259	4.8	37
20	Adsorption and inhibition effect of methyl carbamate on copper metal in 1 N HNO <sub>3</sub> : an experimental and theoretical study. <i>RSC Advances</i> , <b>2013</b> , 3, 8929	3.7	36
19	Inhibition of mild steel corrosion in 1 M hydrochloric acid by 4-(N,N-dimethylaminobenzilidene)-3-mercapto-6-methyl-1,2,4-triazin(4H)-5-one (DAMMT). <i>Materials Chemistry and Physics</i> , <b>2010</b> , 122, 374-379	4.4	34
18	Electrochemical and quantum chemical study of 4-[(E)-[(2,4-dihydroxy phenyl) methylidene] amino]-6-methyl-3-sulphonylidine-2,3,4,5-tetra hydro-1,2,4-triazin-5-one [DMSTT]. <i>Materials Chemistry and Physics</i> , <b>2010</b> , 123, 218-224	4.4	31
17	Corrosion inhibition of mild steel by N(4)-substituted thiosemicarbazone in hydrochloric acid media. <i>Egyptian Journal of Petroleum</i> , <b>2017</b> , 26, 405-412	3.4	27
16	Electroanalytical and Theoretical Investigations of the Corrosion Inhibition Behavior of Bis-1,2,4-Triazole Precursors EBATT and BBATT on Mild Steel in 0.1 N HNO <sub>3</sub> . <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2012</b> , 51, 16633-16642	3.9	20
15	Quantum chemical and electrochemical studies on the corrosion inhibition of aluminium in 1 N HNO <sub>3</sub> using 1,2,4-triazine. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , <b>2013</b> , 64, 625-632	1.6	15
14	Surface morphological and impedance spectroscopic studies on the interaction of polyethylene glycol (PEG) and polyvinyl pyrrolidone (PVP) with mild steel in acid solutions. <i>Research on Chemical Intermediates</i> , <b>2013</b> , 39, 1169-1182	2.8	15
13	Electrochemical, surface analytical and quantum chemical studies on Schiff bases of 4-amino-4H-1,2,4-triazole-3,5-dimethanol (ATD) in corrosion protection of aluminium in 1N HNO <sub>3</sub> . <i>Bulletin of Materials Science</i> , <b>2011</b> , 34, 1245-1256	1.7	15
12	Inhibition of Mild Steel Corrosion using Chitosan/Polyvinyl Alcohol Nanocomposite Films by Sol-Gel Method: An Environmentally Friendly Approach. <i>Journal of Bio- and Tribo-Corrosion</i> , <b>2017</b> , 3, 1	2.9	14
11	Corrosion inhibition of mild steel using poly (2-ethyl -2-oxazoline) in 0.1M HCl solution. <i>Heliyon</i> , <b>2020</b> , 6, e05560	3.6	10
10	Electroanalytical studies of the corrosion-protection properties of 4-amino-4H-1,2,4-triazole-3,5-dimethanol (ATD) on mild steel in 0.5 N sulfuric acid. <i>Research on Chemical Intermediates</i> , <b>2012</b> , 38, 1359-1373	2.8	10

9	Electroanalytical Studies on the Interaction Of l-Serine-Based Schiff Base, HHDMP, with Copper in Sulphuric Acid. <i>Journal of Bio- and Tribo-Corrosion</i> , <b>2016</b> , 2, 1	2.9	9
8	Protection of mild steel in hydrochloric acid using methyl benzimidazole substituted 1, 3, 4-oxadiazole: computational, electroanalytical, thermodynamic and kinetic studies. <i>Journal of Adhesion Science and Technology</i> , <b>2019</b> , 33, 2227-2249	2	8
7	Enhanced Inhibition of the Corrosion of Metallic Copper Exposed in Sulphuric Acid Through the Synergistic Interaction of Cysteine and Alanine: Electrochemical and Computational Studies. <i>Journal of Bio- and Tribo-Corrosion</i> , <b>2017</b> , 3, 1	2.9	8
6	Electrochemical studies on the interaction of l-cysteine with metallic copper in sulfuric acid. <i>Research on Chemical Intermediates</i> , <b>2013</b> , 39, 3531-3543	2.8	7
5	Tailoring of photo-responsive molecularly imprinted polymers on multiwalled carbon nanotube as an enantioselective sensor and sorbent for L-PABE. <i>Composites Science and Technology</i> , <b>2019</b> , 181, 107676	8.6	3
4	Performance evaluation of polysulfone/graphene nanocomposites. <i>International Journal of Materials Research</i> , <b>2017</b> , 108, 143-150	0.5	2
3	Adsorption, Surface Morphological, and Electrochemical Studies on the Inhibitive Properties of 4-(N, N-dimethylaminobenzilidene)-3-mercapto-6-methyl-1, 2, 4-triazin (4H)-5-one (DAMMT) on Mild Steel in 0.5 N H <sub>2</sub> SO <sub>4</sub> . <i>Journal of Dispersion Science and Technology</i> , <b>2012</b> , 33, 1097-1105	1.5	2
2	Photoluminescence of Co: ZnNiO and Zr: ZnNiO nanocomposites capped with biodegradable polymer poly (2-ethyl-2-oxazoline) <b>2018</b> ,		1
1	Corrosion Protection Properties of 4-[(E)-[(2,4-Dihydroxy phenyl)methylidene] amino]-6-methyl-3-sulfanylidene-2,3,4,5-tetrahydro-1,2,4-triazin-5-one [DMSTT] Toward Mild Steel in Sulfuric Acid. <i>Journal of Materials Engineering and Performance</i> , <b>2013</b> , 22, 483-491	1.6	