Sudershan Kumar

List of Publications by Year
in descending order

12	324	840776 11	1199594 12
papers	citations	h-index	g-index

12	12	12	322
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Isopentyltriphenylphosphonium bromideionic liquid as a newly effective corrosion inhibitor on metal-electrolyte interface in acidic medium: Experimental, surface morphological (SEM-EDX &) Tj ETQq1 1 0.784314 rgBT /Overlo		
2	Experimental and theoretical studies on inhibition of mild steel corrosion by some synthesized polyurethane tri-block co-polymers. Scientific Reports, 2016, 6, 30937.	3.3	42
3	Polyurethane Based Triblock Copolymers as Corrosion Inhibitors for Mild Steel in 0.5 M H₂SO₄. Industrial & Engineering Chemistry Research, 2017, 56, 441-456.	3.7	42
4	Anti-corrosion performance of eco-friendly inhibitor (2-aminobenzyl) triphenylphosphonium bromide ionic liquid on mild steel in 0.5 M sulfuric acid. Journal of Molecular Liquids, 2018, 261, 162-173.	4.9	33
5	Acid corrosion inhibition of ferrous and non-ferrous metal by nature friendly Ethoxycarbonylmethyltriphenylphosphonium Bromide (ECMTPB): Experimental and MD simulation evaluation. Journal of Molecular Liquids, 2020, 315, 113705.	4.9	31
6	Long term and electrochemical corrosion investigation of cold worked AISI 316L and 316LVM stainless steels in simulated body fluid. RSC Advances, 2014, 4, 13340.	3.6	29
7	Interfacial adsorption behavior of quaternary phosphonium based ionic liquids on metal-electrolyte interface: Electrochemical, surface characterization and computational approaches. Journal of Molecular Liquids, 2020, 298, 111995.	4.9	26
8	Decyltriphenylphosphonium bromide containing hydrophobic alkyl-chain as a potential corrosion inhibitor for mild steel in sulfuric acid: Theoretical and experimental studies. Journal of Molecular Liquids, 2021, 336, 116166.	4.9	21
9	Ionic salt (4-ethoxybenzyl)-triphenylphosphonium bromide as a green corrosion inhibitor on mild steel in acidic medium: experimental and theoretical evaluation. RSC Advances, 2017, 7, 31907-31920.	3.6	18
10	Study of adsorption mechanism of chalcone derivatives on mild steel-sulfuric acid interface. Journal of Molecular Liquids, 2020, 318, 113890.	4.9	14
11	Novel corona virus (COVID-19); Global efforts and effective investigational medicines: A review. Journal of Infection and Public Health, 2021, 14, 910-921.	4.1	14
12	Separation of Aromatic Solvents from the Reformate Fraction of an Oil Refining Process using Extraction by a Designed Ionic Liquid. Separation Science and Technology, 2014, 49, 1883-1888.	2.5	10