

# Sudershan Kumar

## List of Publications by Year in descending order

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Version: 2024-02-01

12  
papers

324  
citations

840776

11  
h-index

1199594

12  
g-index

12  
all docs

12  
docs citations

12  
times ranked

322  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	Study of adsorption mechanism of chalcone derivatives on mild steel-sulfuric acid interface. Journal of Molecular Liquids, 2020, 318, 113890.	4.9	14
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	Isopentyltriphenylphosphonium bromide ionic liquid as a newly effective corrosion inhibitor on metal-electrolyte interface in acidic medium: Experimental, surface morphological (SEM-EDX & Tj ETQq0 0 0 r g B T / Overlock 10 Tf 5	4.9	10
7	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
8	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
9	Polyurethane Based Triblock Copolymers as Corrosion Inhibitors for Mild Steel in 0.5 M H <sub>2</sub> SO <sub>4</sub> . Industrial & Engineering Chemistry Research, 2017, 56, 441-456.	3.7	42
10	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
11	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
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