

Sajjad Akbarzadeh

List of Publications by Year in descending order

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Version: 2024-02-01

10
papers

361
citations

933447

10
h-index

1372567

10
g-index

10
all docs

10
docs citations

10
times ranked

276
citing authors

#	ARTICLE	IF	CITATIONS
1	Corrosion inhibition of Ti6Al4V alloy by a protective plasma electrolytic oxidation coating modified with boron carbide nanoparticles. <i>Surface and Coatings Technology</i> , 2022, 430, 127987.	4.8	17
2	Improvement of the corrosion performance of AA2024 alloy by a duplex PEO/clay modified sol-gel nanocomposite coating. <i>Surface and Coatings Technology</i> , 2022, 434, 128168.	4.8	18
3	A detailed investigation of the chloride-induced corrosion of mild steel in the presence of combined green organic molecules of Primrose flower and zinc cations. <i>Journal of Molecular Liquids</i> , 2020, 297, 111862.	4.9	33
4	Detailed atomic/molecular-level/electronic-scale computer modeling and electrochemical explorations of the adsorption and anti-corrosion effectiveness of the green nitrogen-based phytochemicals on the mild steel surface in the saline solution. <i>Journal of Molecular Liquids</i> , 2020, 319, 114312.	4.9	16
5	Inspection the corrosion prevention performance and dry/wet interfacial adhesion qualities of the melamine-cured polyester coating applied on the treated mild steel surface with a nanostructured composite cerium-neodymium film. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 590, 124472.	4.7	13
6	A green assisted route for the fabrication of a high-efficiency self-healing anti-corrosion coating through graphene oxide nanoplatfrom reduction by <i>Tamarindus indica</i> extract. <i>Journal of Hazardous Materials</i> , 2020, 390, 122147.	12.4	83
7	Graphene oxide nanoplatforms reduction by green plant-sourced organic compounds for construction of an active anti-corrosion coating; experimental/electronic-scale DFT-D modeling studies. <i>Chemical Engineering Journal</i> , 2020, 397, 125433.	12.7	57
8	Fabrication of a highly protective silane composite coating with limited water uptake utilizing functionalized carbon nano-tubes. <i>Composites Part B: Engineering</i> , 2019, 175, 107109.	12.0	39
9	Molecular/electronic/atomic-level simulation and experimental exploration of the corrosion inhibiting molecules attraction at the steel/chloride-containing solution interface. <i>Journal of Molecular Liquids</i> , 2019, 296, 111809.	4.9	48
10	Fabrication of Highly Effective Polyaniline Grafted Carbon Nanotubes To Induce Active Protective Functioning in a Silane Coating. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 20309-20322.	3.7	37