

# Hossein Dormohammadi

## List of Publications by Year in descending order

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155  
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation of chloride-induced depassivation of iron in alkaline media by reactive force field molecular dynamics. Npj Materials Degradation, 2019, 3, .	2.6	45
2	Investigation of iron passivity in highly alkaline media using reactive-force field molecular dynamics. Corrosion Science, 2019, 157, 31-40.	3.0	41
3	Atomistic simulation of initial stages of iron corrosion in pure water using reactive molecular dynamics. Computational Materials Science, 2018, 145, 126-133.	1.4	40
4	The effect of surface vacancies on the interactions of Cl with a $\hat{\pm}$ -Fe <sub>2</sub> O <sub>3</sub> (0001) surface and the role of Cl in depassivation. Corrosion Science, 2019, 154, 61-69.	3.0	30
5	Density functional theory study on the effect of OH and Cl adsorption on the surface structure of $\hat{\pm}$ -Fe <sub>2</sub> O <sub>3</sub> . Computational and Theoretical Chemistry, 2017, 1100, 91-101.	1.1	22
6	The Effect of Surface Defects on Chloride-Induced Depassivation of Iron—A Density Functional Theory Study. Corrosion, 2020, 76, 690-697.	0.5	14
7	Thermodynamic feasibility of the four-stage chloride-induced depassivation mechanism of iron. Npj Materials Degradation, 2020, 4, .	2.6	11