

# Mohammadreza Elahifard

## List of Publications by Year in descending order

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12  
papers

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1163117

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docs citations

12  
times ranked

246  
citing authors

#	ARTICLE	IF	CITATIONS
1	Review of Respirable Coal Mine Dust Characterization for Mass Concentration, Size Distribution and Chemical Composition. Minerals (Basel, Switzerland), 2021, 11, 426.	2.0	9
2	Band gap reduction of (Mo+N) co-doped TiO <sub>2</sub> nanotube arrays with a significant enhancement in visible light photo-conversion: A combination of experimental and theoretical study. International Journal of Hydrogen Energy, 2021, 46, 21475-21498.	7.1	19
3	A computational study on the effect of Ni impurity and O-vacancy on the adsorption and dissociation of water molecules on the surface of anatase (101). Journal of Physics and Chemistry of Solids, 2020, 136, 109176.	4.0	12
4	Dispersion of Defects in TiO <sub>2</sub> Semiconductor: Oxygen Vacancies in the Bulk and Surface of Rutile and Anatase. Catalysts, 2020, 10, 397.	3.5	44
5	Predictive Modeling of Corrosion in Al/Mg Dissimilar Joint. ChemEngineering, 2019, 3, 70.	2.4	2
6	A mechanistic study of photo-oxidation of phenol and AB92 by AgBr/TiO <sub>2</sub> . Research on Chemical Intermediates, 2019, 45, 4885-4896.	2.7	7
7	Role of oxygen vacancy in the adsorption and dissociation of the water molecule on the surfaces of pure and Ni-doped rutile (110): a periodic full-potential DFT study. Surface Science, 2019, 679, 218-224.	1.9	31
8	Bacteriostatic Effects of Apatite-Covered Ag/AgBr/TiO <sub>2</sub> Nanocomposite in the Dark: Anomaly in Bacterial Motility. Journal of Physical Chemistry B, 2019, 123, 787-791.	2.6	14
9	Full-potential DFT study of CO dissociation on Fe-Cu cluster. Theoretical Chemistry Accounts, 2018, 137, 1.	1.4	11
10	The effect of double impurity cluster of Ni and Co in TiO <sub>2</sub> bulk; a DFT study. Journal of Electroceramics, 2016, 37, 79-84.	2.0	7
11	Highly efficient hydroxyapatite/TiO <sub>2</sub> composites covered by silver halides as E. coli disinfectant under visible light and dark media. Photochemical and Photobiological Sciences, 2013, 12, 1787-1794.	2.9	19
12	Ab-initio calculations of the CO adsorption and dissociation on substitutional Fe-Cu surface alloys relevant to Fischer-Tropsch Synthesis: bcc-(Cu)Fe(100) and fcc-(Fe)Cu(100). Surface and Interface Analysis, 2013, 45, 1081-1087.	1.8	18