

# Wichien Sang-aroon

## List of Publications by Year in descending order

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Version: 2024-02-01

13  
papers

471  
citations

1163117

8  
h-index

1372567

10  
g-index

13  
all docs

13  
docs citations

13  
times ranked

585  
citing authors

#	ARTICLE	IF	CITATIONS
1	Density functional theory study on the electronic structure of Monascus dyes as photosensitizer for dye-sensitized solar cells. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2012, 236, 35-40.	3.9	198
2	A dye sensitized solar cell using natural counter electrode and natural dye derived from mangosteen peel waste. <i>Scientific Reports</i> , 2015, 5, 15230.	3.3	130
3	DFT and TDDFT study on the electronic structure and photoelectrochemical properties of dyes derived from cochineal and lac insects as photosensitizer for dye-sensitized solar cells. <i>Journal of Molecular Modeling</i> , 2013, 19, 1407-1415.	1.8	29
4	A density functional theory study on peptide bond cleavage at aspartic residues: direct vs cyclic intermediate hydrolysis. <i>Journal of Molecular Modeling</i> , 2013, 19, 5501-5513.	1.8	28
5	Performance and stability of low-cost dye-sensitized solar cell based crude and pre-concentrated anthocyanins: Combined experimental and DFT/TDDFT study. <i>Journal of Molecular Structure</i> , 2017, 1127, 145-155.	3.6	26
6	Coumarins and alkaloids from the roots of <i>Toddalia asiatica</i> . <i>Natural Product Research</i> , 2018, 32, 944-952.	1.8	22
7	Photovoltaic Performance of Natural Dyes for Dye-Sensitized Solar Cells. , 2019, , 203-229.		12
8	Theoretical study on isomerization and peptide bond cleavage at aspartic residue. <i>Journal of Molecular Modeling</i> , 2013, 19, 3627-3636.	1.8	9
9	Theoretical insight into electronic and photoelectrochemical properties of orcein dyes relevant to dye-sensitized solar cells. <i>Monatshefte für Chemie</i> , 2014, 145, 1529-1537.	1.8	8
10	Electrocatalytic activity of disulfide/thiolate with graphene nanosheets as an efficient counter electrode for DSSCs: A DFT study. <i>Materials Today Communications</i> , 2020, 22, 100742.	1.9	7
11	Electrocatalytic activity of disulfide/thiolate with graphene nanosheets as an efficient counter electrode for DSSCs: A DFT study. <i>Materials Today Communications</i> , 2020, 22, 100740.	1.9	2
12	Tautomeric transformation of temozolomide, their proton affinities and chemical reactivities: A theoretical approach. <i>Journal of Molecular Graphics and Modelling</i> , 2016, 66, 76-84.	2.4	0
13	A DFT calculation on nonenzymatic degradation of isoaspartic residue. <i>Journal of Molecular Modeling</i> , 2021, 27, 300.	1.8	0