

Owen Byrne

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

325
citations

933447

10
h-index

1058476

14
g-index

15
all docs

15
docs citations

15
times ranked

505
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient CdS quantum dot sensitized solar cells made using novel Cu ₂ S counter electrode. <i>Journal of Power Sources</i> , 2014, 248, 218-223.	7.8	87
2	Flexible glass substrate based dye sensitized solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2015, 132, 237-244.	6.2	48
3	Low toxicity functionalised imidazolium salts for task specific ionic liquid electrolytes in dye-sensitised solar cells: a step towards less hazardous energy production. <i>Green Chemistry</i> , 2014, 16, 2252-2265.	9.0	45
4	Quantum dot and quantum dot-dye co-sensitized solar cells containing organic thiolate-disulfide redox electrolyte. <i>Journal of Power Sources</i> , 2015, 275, 681-687.	7.8	30
5	Succinonitrile-based solid-state electrolytes for dye-sensitized solar cells. <i>Progress in Photovoltaics: Research and Applications</i> , 2015, 23, 417-427.	8.1	24
6	Silicon-bridged triphenylamine-based organic dyes for efficient dye-sensitized solar cells. <i>Solar Energy</i> , 2018, 160, 64-75.	6.1	18
7	The optimisation of dye sensitised solar cell working electrodes for graphene and SWCNTs containing quasi-solid state electrolytes. <i>Solar Energy</i> , 2014, 110, 239-246.	6.1	17
8	Porous "sponge-like" anatase TiO ₂ via polymer templates: synthesis, characterization, and performance as a light-scattering material. <i>Colloid and Polymer Science</i> , 2013, 291, 805-815.	2.1	13
9	Luminescence spectroscopy of matrix-isolated atomic manganese: Site size and orbital occupancy dependence of crystal field splitting. <i>Journal of Chemical Physics</i> , 2010, 132, 164512.	3.0	12
10	Eu/RG absorption and excitation spectroscopy in the solid rare gases: State dependence of crystal field splitting and Jahn-Teller coupling. <i>Journal of Chemical Physics</i> , 2011, 134, 124501.	3.0	10
11	Organic Dyes Containing Coplanar Dihexyl-Substituted Dithienosilole Groups for Efficient Dye-Sensitized Solar Cells. <i>International Journal of Photoenergy</i> , 2017, 2017, 1-14.	2.5	8
12	Crystal field splitting on D _{4h} ⁺ S transitions of atomic manganese isolated in solid krypton. <i>Low Temperature Physics</i> , 2010, 36, 417-423.	0.6	5
13	Site-selected luminescence of atomic europium in the solid rare gases. <i>Journal of Chemical Physics</i> , 2011, 135, 024507.	3.0	4
14	Renewable energy technologies and its adaptation in an urban environment. , 2014, , .		2
15	In situ formation and characterisation of singly ionised atomic europium in rare gas matrices "Luminescence spectroscopy and MP2 calculations". <i>Journal of Chemical Physics</i> , 2015, 142, 054307.	3.0	2