

Praveen K Surolia

List of Publications by Year in descending order

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35
papers

1,269
citations

430843

18
h-index

377849

34
g-index

35
all docs

35
docs citations

35
times ranked

1444
citing authors

#	ARTICLE	IF	CITATIONS
1	Photocatalytic degradation of dyes and organic contaminants in water using nanocrystalline anatase and rutile TiO ₂ . Science and Technology of Advanced Materials, 2007, 8, 455-462.	6.1	264
2	Semiconductor based photocatalytic degradation of pesticides: An overview. Environmental Technology and Innovation, 2020, 20, 101128.	6.1	105
3	Ruthenium complexes based dye sensitized solar cells: Fundamentals and research trends. Solar Energy, 2020, 207, 59-76.	6.1	90
4	Efficient CdS quantum dot sensitized solar cells made using novel Cu ₂ S counter electrode. Journal of Power Sources, 2014, 248, 218-223.	7.8	87
5	Effect of Anions on the Photocatalytic Activity of Fe(III) Salts Impregnated TiO ₂ . Industrial & Engineering Chemistry Research, 2007, 46, 6196-6203.	3.7	75
6	Recent advances in graphitic carbon nitride semiconductor: Structure, synthesis and applications. Materials Science in Semiconductor Processing, 2022, 137, 106181.	4.0	49
7	Flexible glass substrate based dye sensitized solar cells. Solar Energy Materials and Solar Cells, 2015, 132, 237-244.	6.2	48
8	Low toxicity functionalised imidazolium salts for task specific ionic liquid electrolytes in dye-sensitised solar cells: a step towards less hazardous energy production. Green Chemistry, 2014, 16, 2252-2265.	9.0	45
9	Photocatalytic degradation of textile dyes using $\hat{1}^2$ -CD-CuO/ZnO nanocomposite. Journal of Physics and Chemistry of Solids, 2022, 165, 110691.	4.0	45
10	TiO ₂ -Coated Cenospheres as Catalysts for Photocatalytic Degradation of Methylene Blue, <i>p</i> -Nitroaniline, <i>n</i> -Decane, and <i>n</i> -Tridecane under Solar Irradiation. Industrial & Engineering Chemistry Research, 2010, 49, 8908-8919.	3.7	44
11	BaTiO ₃ photoelectrodes for CdS quantum dot sensitized solar cells. Journal of Materials Chemistry A, 2014, 2, 10231-10238.	10.3	39
12	Photocatalytic Degradation of Nitrobenzene in an Aqueous System by Transition-Metal-Exchanged ETS-10 Zeolites. Industrial & Engineering Chemistry Research, 2010, 49, 3961-3966.	3.7	38
13	Photocatalytic Degradation of 3,3'-Dimethylbiphenyl-4,4'-diamine (<i>o</i> -Tolidine) over Nanocrystalline TiO ₂ Synthesized by Sol ⁺ Gel, Solution Combustion, and Hydrothermal Methods. Industrial & Engineering Chemistry Research, 2008, 47, 5847-5855.	3.7	33
14	Enhanced Photocatalytic Activity by Silver Metal Ion Exchanged NaY Zeolite Photocatalysts for the Degradation of Organic Contaminants and Dyes in Aqueous Medium. Industrial & Engineering Chemistry Research, 2008, 47, 7545-7551.	3.7	32
15	Quantum dot and quantum dot-dye co-sensitized solar cells containing organic thiolate-disulfide redox electrolyte. Journal of Power Sources, 2015, 275, 681-687.	7.8	30
16	Promising grafting strategies on cellulosic backbone through radical polymerization processes – A review. European Polymer Journal, 2021, 152, 110448.	5.4	29
17	Succinonitrile-based solid-state electrolytes for dye-sensitized solar cells. Progress in Photovoltaics: Research and Applications, 2015, 23, 417-427.	8.1	24
18	Synthesis and application of copper ferrite-graphene oxide nanocomposite photocatalyst for the degradation of malachite green. Materials Today: Proceedings, 2021, 43, 2949-2953.	1.8	22

#	ARTICLE	IF	CITATIONS
19	Silicon-bridged triphenylamine-based organic dyes for efficient dye-sensitised solar cells. <i>Solar Energy</i> , 2018, 160, 64-75.	6.1	18
20	Structure, electronic and optical properties of chalcopyrite semiconductor AgTiX_2 ($X = \text{S, Se, Te}$): A density functional theory study. <i>Thin Solid Films</i> , 2021, 717, 138469.	1.8	18
21	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
22	Photocatalytic degradation of <i>p</i> -nitrotoluene (PNT) using TiO_2 -modified silver-exchanged NaY zeolite: kinetic study and identification of mineralization pathway. <i>Desalination and Water Treatment</i> , 2016, 57, 22081-22098.	1.0	17
23	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
24	Degradation and mineralization of aqueous nitrobenzene using ETS-4 photocatalysis. <i>Desalination and Water Treatment</i> , 2016, 57, 15989-15998.	1.0	13
25	Photocatalytic process for oily wastewater treatment: a review. <i>International Journal of Environmental Science and Technology</i> , 2023, 20, 4615-4634.	3.5	12
26	Structure, electronic and optical properties of chalcopyrite-type nano-clusters XFeY_2 ($X = \text{Cu, Ag, Au}$; $Y = \text{S, Se, Te}$): a density functional theory study. <i>Pure and Applied Chemistry</i> , 2021, 93, 591-606.	1.9	10
27	Electrophoretic separation and deposition of metal-graphene nanocomposites and their application as electrodes in solar cells. <i>RSC Advances</i> , 2016, 6, 64097-64109.	3.6	9
28	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
29	Role of artificial neural networks in predicting design and efficiency of dye sensitized solar cells. <i>International Journal of Energy Research</i> , 2022, 46, 11556-11573.	4.5	8
30	Photocatalytic Reduction of Cr(VI) by TiO_2/GO Nanocomposite. <i>ChemistrySelect</i> , 2022, 7, .	1.5	8
31	Application of grafted cellulosic material as bioadsorbent for segregating of non-desirable content from waste water " A review. <i>Materials Today: Proceedings</i> , 2021, 43, 2903-2908.	1.8	6
32	A brief review on carbon nanomaterial counter electrodes for N719 based dye-sensitized solar cells. <i>Materials Today: Proceedings</i> , 2021, 43, 2975-2978.	1.8	6
33	Photocatalytic Degradation of Ortho-Nitrophenol using ZnO/CD Nanocomposite. <i>ChemistrySelect</i> , 2022, 7, .	1.5	4
34	Renewable energy technologies and its adaptation in an urban environment. , 2014, , .		2
35	Extraction and Characterization of Fractionated Cellulose from <i>Acacia Senegal</i> . <i>Journal of Natural Fibers</i> , 2022, 19, 10499-10512.	3.1	1