

Muhammad Umair Shahid

List of Publications by Year in descending order

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14
papers

208
citations

1040056

9
h-index

1058476

14
g-index

15
all docs

15
docs citations

15
times ranked

226
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrogen-rich syngas production from bi-reforming of greenhouse gases over zirconia modified Ni/MgO catalyst. International Journal of Energy Research, 2022, 46, 2529-2545.	4.5	14
2	Exploring graphene quantum dots@TiO ₂ rutile (0 1 1) interface for visible-driven hydrogen production in photoelectrochemical cell: Density functional theory and experimental study. Applied Surface Science, 2022, 576, 151871.	6.1	10
3	Multi-objective optimization of process variables for MWCNT-added electro-discharge machining of 316L steel. International Journal of Advanced Manufacturing Technology, 2021, 115, 179-198.	3.0	18
4	Enhancement of Charge Transport of a Dye-Sensitized Solar Cell Utilizing TiO ₂ Quantum Dot Photoelectrode Film. Coatings, 2021, 11, 1442.	2.6	1
5	Solvent exfoliated graphene incorporated mixed phase TiO ₂ transparent photoelectrode for the efficient and color transparent dye-sensitized solar cell. Solar Energy, 2020, 206, 317-329.	6.1	14
6	Trap State and Charge Recombination in Nanocrystalline Passivated Conductive and Photoelectrode Interface of Dye-Sensitized Solar Cell. Coatings, 2020, 10, 284.	2.6	17
7	Improving the light scattering efficiency of photoelectrode dye-sensitized solar cell through optimization of core-shell structure. Materials Today Communications, 2019, 19, 220-229.	1.9	9
8	Influence of seeding layer on photoelectrochemical hydrogen production over TiO ₂ nanorod decorated with reduced graphene oxide. Diamond and Related Materials, 2019, 94, 194-202.	3.9	20
9	Few-layer graphene supported polyaniline (PANI) film as a transparent counter electrode for dye-sensitized solar cells. Diamond and Related Materials, 2019, 94, 242-251.	3.9	26
10	Dual functional passivating layer of graphene/TiO ₂ for improved performance of dye-sensitized solar cells. Applied Nanoscience (Switzerland), 2018, 8, 1001-1013.	3.1	19
11	Photoelectrochemical water splitting with tailored TiO ₂ /SrTiO ₃ @g-C ₃ N ₄ heterostructure nanorod in photoelectrochemical cell. Diamond and Related Materials, 2018, 85, 5-12.	3.9	44
12	Potential Application of Metal-organic frameworks for Photocatalytic Water Splitting. Journal of Physics: Conference Series, 2018, 1123, 012055.	0.4	3
13	Polyaniline (PANI)/reduced graphene oxide (rGO) composite as a counter electrode for dye solar cells. Journal of Physics: Conference Series, 2018, 1123, 012012.	0.4	7
14	Graphene modified FTO/TiO ₂ interface photoelectrode for improved performance of dye sensitized solar cells. AIP Conference Proceedings, 2017, , .	0.4	6