

Marwa Abd-Ellah

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

681
citations

567281

15
h-index

752698

20
g-index

20
all docs

20
docs citations

20
times ranked

1457
citing authors

#	ARTICLE	IF	CITATIONS
1	Defect-rich decorated TiO ₂ nanowires for super-efficient photoelectrochemical water splitting driven by visible light. <i>Energy and Environmental Science</i> , 2015, 8, 3363-3373.	30.8	84
2	Size-Selected TiO ₂ Nanocluster Catalysts for Efficient Photoelectrochemical Water Splitting. <i>ACS Nano</i> , 2014, 8, 11891-11898.	14.6	68
3	Au-Pt alloy nanocatalysts for electro-oxidation of methanol and their application for fast-response non-enzymatic alcohol sensing. <i>Journal of Materials Chemistry C</i> , 2014, 2, 2707.	5.5	68
4	Highly Conducting Hybrid Silver-Nanowire-Embedded Poly(3,4-ethylenedioxythiophene):Poly(styrenesulfonate) for High-Efficiency Planar Silicon/Organic Heterojunction Solar Cells. <i>ACS Nano</i> , 2018, 12, 9495-9503.	14.6	54
5	Plasmonic gold nanoparticles for ZnO-nanotube photoanodes in dye-sensitized solar cell application. <i>Nanoscale</i> , 2016, 8, 1658-1664.	5.6	49
6	Enhancement of solar cell performance of p-Cu ₂ O/n-ZnO-nanotube and nanorod heterojunction devices. <i>Solar Energy Materials and Solar Cells</i> , 2016, 152, 87-93.	6.2	44
7	Performance Enhancement by Secondary Doping in PEDOT:PSS/Planar-Si Hybrid Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 34303-34308.	8.0	42
8	Bimetallic FeNi Concave Nanocubes and Nanocages. <i>Journal of the American Chemical Society</i> , 2013, 135, 10958-10961.	13.7	36
9	Interfacial Micropore Defect Formation in PEDOT:PSS-Si Hybrid Solar Cells Probed by TOF-SIMS 3D Chemical Imaging. <i>Analytical Chemistry</i> , 2013, 85, 6840-6845.	6.5	35
10	Reversible Structural Transformation and Enhanced Performance of PEDOT:PSS-Based Hybrid Solar Cells Driven by Light Intensity. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 7466-7470.	8.0	35
11	Effect of Electrolyte Conductivity on Controlled Electrochemical Synthesis of Zinc Oxide Nanotubes and Nanorods. <i>Journal of Physical Chemistry C</i> , 2013, 117, 6794-6799.	3.1	25
12	Acid dyeing for green solvent processing of solvent resistant semiconducting organic thin films. <i>Materials Horizons</i> , 2020, 7, 2959-2969.	12.2	24
13	Interfacial ZnO Modification Using a Carboxylic Acid Functionalized N-Annulated Perylene Diimide for Inverted Type Organic Photovoltaics. <i>ACS Applied Electronic Materials</i> , 2019, 1, 1590-1596.	4.3	23
14	Transfer printing of silver nanowire conductive ink for e-textile applications. <i>Flexible and Printed Electronics</i> , 2019, 4, 025005.	2.7	21
15	Efficient photoelectrochemical water splitting on ultrasmall defect-rich TaO _x nanoclusters enhanced by size-selected Pt nanocluster promoters. <i>Nanoscale</i> , 2017, 9, 14395-14404.	5.6	16
16	Alkyloxime Side Chain Enabled Polythiophene Donors for Efficient Organic Solar Cells. <i>Macromolecules</i> , 2020, 53, 8796-8808.	4.8	16
17	Charge Transfer in Nanowire-Embedded PEDOT:PSS and Planar Heterojunction Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 11459-11466.	8.0	13
18	Hierarchical Tin Oxide Nanostructures for Dye-Sensitized Solar Cell Application. <i>Advanced Electronic Materials</i> , 2015, 1, 1500032.	5.1	12

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19	Direct-write three-dimensional nanofabrication of nanopyramids and nanocones on Si by nanotumefaction using a helium ion microscope. <i>Nanotechnology</i> , 2015, 26, 255303.	2.6	10
20	Novel wide bandgap benzodithiophene-based polymer donors with electron-withdrawing indolin-2-one side chains for efficient organic solar cells with high open circuit voltage. <i>Dyes and Pigments</i> , 2022, 197, 109876.	3.7	6