Duangmanee Wongratanaphisan

List of Publications by Year
in descending order

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32 papers	538 citations	687363 13 h-index	677142 22 g-index
32 all docs	32 docs citations	32 times ranked	516 citing authors

#	ARTICLE	IF	CITATIONS
1	UV sensing properties of ZnO nanowires/nanorods. Applied Surface Science, 2019, 477, 159-165.	6.1	63
2	Effect of GO Additive in ZnO/rGO Nanocomposites with Enhanced Photosensitivity and Photocatalytic Activity. Nanomaterials, 2019, 9, 1441.	4.1	62
3	Full coverage of perovskite layer onto ZnO nanorods via a modified sequential two-step deposition method for efficiency enhancement in perovskite solar cells. Applied Surface Science, 2017, 410, 393-400.	6.1	47
4	Cerium-Oxide-Nanoparticle-Decorated Zinc Oxide with Enhanced Photocatalytic Degradation of Methyl Orange. Applied Sciences (Switzerland), 2020, 10, 1697.	2.5	42
5	Controlled Structure and Growth Mechanism behind Hydrothermal Growth of TiO2 Nanorods. Scientific Reports, 2020, 10, 8065.	3.3	41
6	Improved photocatalytic activity of surface charge functionalized ZnO nanoparticles using aniline. Journal of Materials Science and Technology, 2021, 76, 1-10.	10.7	32
7	Investigation of Functionalized Surface Charges of Thermoplastic Starch/Zinc Oxide Nanocomposite Films Using Polyaniline: The Potential of Improved Antibacterial Properties. Polymers, 2021, 13, 425.	4.5	23
8	Room-temperature carbon electrodes with ethanol solvent interlacing process for efficient and stable planar hybrid perovskite solar cells. Energy Reports, 2021, 7, 2493-2500.	5.1	23
9	Diffusion-induced doping effects of Ga in ZnO/Ga/ZnO and AZO/Ga/AZO multilayer thin films. Applied Surface Science, 2019, 474, 127-134.	6.1	22
10	Enhancement of Ethanol Sensing Properties by Alloying ${m TiO}_{2}$ With ZnO Tetrapods. IEEE Sensors Journal, 2010, 10, 39-43.	4.7	19
11	Alkali/zinc-activated fly ash nanocomposites for dye removal and antibacterial applications. Bioresource Technology, 2021, 331, 125060.	9.6	19
12	Influence of carbon nanotubes in gel electrolyte on photovoltaic performance of ZnO dye-sensitized solar cells. Electrochimica Acta, 2013, 106, 195-200.	5.2	17
13	Fully-covered slot-die-coated ZnO thin films for reproducible carbon-based perovskite solar cells. Materials Science in Semiconductor Processing, 2021, 136, 106151.	4.0	15
14	Effect of Al-doped ZnO for Electron Transporting Layer in Planar Perovskite solar cells. Materials Today: Proceedings, 2019, 17, 1259-1267.	1.8	13
15	Preparation and Characterization of Photoluminescent Graphene Quantum Dots from Watermelon Rind Waste for the Detection of Ferric Ions and Cellular Bio-Imaging Applications. Nanomaterials, 2022, 12, 702.	4.1	13
16	Hydrothermal growth of well-aligned TiO2 nanorods on fluorine-doped tin oxide glass. Materials Today: Proceedings, 2019, 17, 1514-1520.	1.8	12
17	Efficient charge-transport UV sensor based on interlinked ZnO tetrapod networks. Surface and Coatings Technology, 2016, 306, 25-29.	4.8	9
18	Enhanced crystal formation of methylammonium lead iodide via self-assembled monolayers and their solvation for perovskite solar cells. Journal of Materials Science: Materials in Electronics, 2019, 30, 939-949.	2.2	9

#	Article	IF	Citations
19	Low-temperature processable Sn-doped ZnO films as electron transporting layers for perovskite solar cells. Journal of Materials Science: Materials in Electronics, 2021, 32, 27279-27289.	2.2	9
20	Influence of surface modification with D205 dye on charge dynamics of hybrid ZnO nanorods/polymer solar cells. Integrated Ferroelectrics, 2016, 175, 113-119.	0.7	7
21	Hydrogen sensors based on gold nanoclusters assembled onto ZnO nanostructures at low operating temperature. Ceramics International, 2017, 43, S511-S515.	4.8	7
22	Enhanced antimicrobial and physical properties of poly (butylene adipateâ€coâ€terephthalate)/zinc oxide/reduced graphene oxide ternary nanocomposite films. Materials Today Communications, 2021, 28, 102586.	1.9	7
23	Effect of Gallium Interlayer in ZnO and Al-doped ZnO Thin Films. Integrated Ferroelectrics, 2015, 165, 121-130.	0.7	6
24	Hydrothermally Treated TiO 2 Nanorods as Electron Transport Layer in Planar Perovskite Solar Cells. Physica Status Solidi (A) Applications and Materials Science, 2021, 218, 2000238.	1.8	6
25	SLOT-DIE-COATED ZINC TIN OXIDE FILM FOR CARBON-BASED METHYLAMMONIUM-FREE PEROVSKITE SOLAR CELLS. Surface Review and Letters, 2021, 28, .	1.1	4
26	Effects of Mixed-Phase Copper Oxide Nanofibers in ZnO Dye-Sensitized Solar Cells on Efficiency Enhancement. Journal of Nanoscience and Nanotechnology, 2017, 17, 5475-5480.	0.9	3
27	Mechanism and experimental evidence of rapid morphological variant of copper oxide nanostructures by microwave heating. Applied Surface Science, 2019, 474, 9-16.	6.1	3
28	Raman spectroscopy of compositional fluctuations in spinel Zn<inf>2</inf>TiO<inf>4</inf> nanostructures. , 2010, , .		2
29	Enhancement of Sensor Response by Au Nanoparticles Doping on ZnO Tetrapod Sensor. Materials Science Forum, 0, 695, 565-568.	0.3	1
30	Ethanol sensing characteristics of sensors based on ZnO:Al nanostructures prepared by thermal oxidation. , 2012, , .		1
31	Effect of seed layer on growth of rutile TiO2 nanorods. Journal of Physics: Conference Series, 2018, 1144, 012148.	0.4	1
32	Optical properties of Zn<inf>2</inf>TiO<inf>4</inf> prepared by thermal oxidation method. , 2010, , .		0