

Duangmanee Wongratanaphisan

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Preparation and Characterization of Photoluminescent Graphene Quantum Dots from Watermelon Rind Waste for the Detection of Ferric Ions and Cellular Bio-Imaging Applications. <i>Nanomaterials</i> , 2022, 12, 702.	4.1	13
2	Improved photocatalytic activity of surface charge functionalized ZnO nanoparticles using aniline. <i>Journal of Materials Science and Technology</i> , 2021, 76, 1-10.	10.7	32
3	Hydrothermally Treated TiO ₂ Nanorods as Electron Transport Layer in Planar Perovskite Solar Cells. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2021, 218, 2000238.	1.8	6
4	Investigation of Functionalized Surface Charges of Thermoplastic Starch/Zinc Oxide Nanocomposite Films Using Polyaniline: The Potential of Improved Antibacterial Properties. <i>Polymers</i> , 2021, 13, 425.	4.5	23
5	Alkali/zinc-activated fly ash nanocomposites for dye removal and antibacterial applications. <i>Bioresource Technology</i> , 2021, 331, 125060.	9.6	19
6	SLOT-DIE-COATED ZINC TIN OXIDE FILM FOR CARBON-BASED METHYLAMMONIUM-FREE PEROVSKITE SOLAR CELLS. <i>Surface Review and Letters</i> , 2021, 28, .	1.1	4
7	Enhanced antimicrobial and physical properties of poly (butylene adipate- <i>co</i> -terephthalate)/zinc oxide/reduced graphene oxide ternary nanocomposite films. <i>Materials Today Communications</i> , 2021, 28, 102586.	1.9	7
8	Room-temperature carbon electrodes with ethanol solvent interlacing process for efficient and stable planar hybrid perovskite solar cells. <i>Energy Reports</i> , 2021, 7, 2493-2500.	5.1	23
9	Fully-covered slot-die-coated ZnO thin films for reproducible carbon-based perovskite solar cells. <i>Materials Science in Semiconductor Processing</i> , 2021, 136, 106151.	4.0	15
10	Low-temperature processable Sn-doped ZnO films as electron transporting layers for perovskite solar cells. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 27279-27289.	2.2	9
11	Controlled Structure and Growth Mechanism behind Hydrothermal Growth of TiO ₂ Nanorods. <i>Scientific Reports</i> , 2020, 10, 8065.	3.3	41
12	Cerium-Oxide-Nanoparticle-Decorated Zinc Oxide with Enhanced Photocatalytic Degradation of Methyl Orange. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 1697.	2.5	42
13	Hydrothermal growth of well-aligned TiO ₂ nanorods on fluorine-doped tin oxide glass. <i>Materials Today: Proceedings</i> , 2019, 17, 1514-1520.	1.8	12
14	Effect of GO Additive in ZnO/rGO Nanocomposites with Enhanced Photosensitivity and Photocatalytic Activity. <i>Nanomaterials</i> , 2019, 9, 1441.	4.1	62
15	Effect of Al-doped ZnO for Electron Transporting Layer in Planar Perovskite solar cells. <i>Materials Today: Proceedings</i> , 2019, 17, 1259-1267.	1.8	13
16	Enhanced crystal formation of methylammonium lead iodide via self-assembled monolayers and their solvation for perovskite solar cells. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 939-949.	2.2	9
17	Mechanism and experimental evidence of rapid morphological variant of copper oxide nanostructures by microwave heating. <i>Applied Surface Science</i> , 2019, 474, 9-16.	6.1	3
18	UV sensing properties of ZnO nanowires/nanorods. <i>Applied Surface Science</i> , 2019, 477, 159-165.	6.1	63

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19	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
20	Effect of seed layer on growth of rutile TiO ₂ nanorods. Journal of Physics: Conference Series, 2018, 1144, 012148.	0.4	1
21	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
22	Hydrogen sensors based on gold nanoclusters assembled onto ZnO nanostructures at low operating temperature. Ceramics International, 2017, 43, S511-S515.	4.8	7
23	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
24	Efficient charge-transport UV sensor based on interlinked ZnO tetrapod networks. Surface and Coatings Technology, 2016, 306, 25-29.	4.8	9
25	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
26	Effect of Gallium Interlayer in ZnO and Al-doped ZnO Thin Films. Integrated Ferroelectrics, 2015, 165, 121-130.	0.7	6
27	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
28	Ethanol sensing characteristics of sensors based on ZnO:Al nanostructures prepared by thermal oxidation. , 2012, , .		1
29	Optical properties of Zn₂/TiO₄ prepared by thermal oxidation method. , 2010, , .		0
30	Raman spectroscopy of compositional fluctuations in spinel Zn₂/TiO₄ nanostructures. , 2010, , .		2
31	Enhancement of Ethanol Sensing Properties by Alloying TiO_2 With ZnO Tetrapods. IEEE Sensors Journal, 2010, 10, 39-43.	4.7	19
32	Enhancement of Sensor Response by Au Nanoparticles Doping on ZnO Tetrapod Sensor. Materials Science Forum, 0, 695, 565-568.	0.3	1