

Qasem Ahmed Drmosh

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3011076/publications.pdf>

Version: 2024-02-01

66
papers

2,727
citations

147566

31
h-index

182168

51
g-index

66
all docs

66
docs citations

66
times ranked

3105
citing authors

#	ARTICLE	IF	CITATIONS
1	Removal of cadmium ions from water using coaxially electrospun PAN/ZnO-encapsulated PVDF nanofiber membranes. <i>Polymer Bulletin</i> , 2022, 79, 2831-2850.	1.7	17
2	Fabrication of ZnO-Ag bimetallic nanoparticles by laser ablation for anticancer activity. <i>Alexandria Engineering Journal</i> , 2022, 61, 1449-1457.	3.4	55
3	Strategies to Enhance ZnO Photocatalyst's Performance for Water Treatment: A Comprehensive Review. <i>Chemical Record</i> , 2022, 22, e202100299.	2.9	40
4	Fabrication of Z-scheme TiO ₂ /BP/g-C ₃ N ₄ nanocomposite via pulsed laser ablation in liquid for photocatalytic overall water splitting. <i>Optical Materials</i> , 2022, 128, 112428.	1.7	19
5	Role of Post-Hydrothermal Treatment on the Microstructures and Photocatalytic Activity of TiO ₂ -Based Nanotubes. <i>Catalysts</i> , 2022, 12, 702.	1.6	3
6	Rational construction of plasmonic Z-scheme Ag-ZnO-CeO ₂ heterostructures for highly enhanced solar photocatalytic H ₂ evolution. <i>Applied Surface Science</i> , 2021, 541, 148457.	3.1	39
7	Reaping the catalytic benefits of both surface (NiFe ₂ O ₄) and underneath (Ni ₃ Fe) layers for the oxygen evolution reaction. <i>Sustainable Energy and Fuels</i> , 2021, 5, 2704-2714.	2.5	4
8	Magnetic recyclable Fe ₂ O ₃ @Fe ₃ O ₄ /Co ₃ O ₄ @CoO nanocomposite with a dual Z-scheme charge transfer pathway for quick photo-Fenton degradation of organic pollutants. <i>Catalysis Science and Technology</i> , 2021, 11, 3084-3097.	2.1	32
9	X-Ray Photoelectron Spectroscopy Depth Profiling of As-Grown and Annealed Titanium Nitride Thin Films. <i>Crystals</i> , 2021, 11, 239.	1.0	12
10	Surface Plasmonic Resonance and Z-Scheme Charge Transport Synergy in Three-Dimensional Flower-like Ag@CeO ₂ @ZnO Heterostructures for Highly Improved Photocatalytic CO ₂ Reduction. <i>ACS Applied Energy Materials</i> , 2021, 4, 3544-3554.	2.5	41
11	Fabrication of nanorings from ultrathin layer of silver on zinc oxide-coated glass substrate. <i>Applied Physics A: Materials Science and Processing</i> , 2021, 127, 1.	1.1	1
12	Tuning Structural Properties of WO ₃ Thin Films for Photoelectrocatalytic Water Oxidation. <i>Catalysts</i> , 2021, 11, 381.	1.6	38
13	Zinc Oxide-Based Acetone Gas Sensors for Breath Analysis: A Review. <i>Chemistry - an Asian Journal</i> , 2021, 16, 1519-1538.	1.7	55
14	Plasmonic Pollen Grain Nanostructures: A Three-Dimensional Surface-Enhanced Raman Scattering (SERS)-Active Substrate. <i>Chemistry - an Asian Journal</i> , 2021, 16, 1807-1819.	1.7	5
15	Sunlight-driven activation of peroxydisulfate by microwave synthesized ternary MoO ₃ /Bi ₂ O ₃ /g-C ₃ N ₄ heterostructures for boosting tetracycline hydrochloride degradation. <i>Chemosphere</i> , 2021, 272, 129807.	4.2	62
16	Engineering the depletion layer of Au-modified ZnO/Ag core-shell films for high-performance acetone gas sensing. <i>Sensors and Actuators B: Chemical</i> , 2021, 338, 129851.	4.0	45
17	Microstructure Evaluation and Impurities in La Containing Silicon Oxynitrides. <i>Nanomaterials</i> , 2021, 11, 1896.	1.9	1
18	Post-annealing effect on the electrochemical behavior of nanostructured magnetron sputtered W ₃ O films in chloride- and acid-containing environments. <i>Surface and Coatings Technology</i> , 2021, 420, 127334.	2.2	6

#	ARTICLE	IF	CITATIONS
19	Surface composite and morphology tuning of tungsten oxide thin films for acetone gas sensing. <i>Chemical Physics Letters</i> , 2021, 776, 138659.	1.2	8
20	Construction of Bi ₂ S ₃ /TiO ₂ /MoS ₂ Sâ€šScheme Heterostructure with a Switchable Charge Migration Pathway for Selective CO ₂ Reduction. <i>Solar Rrl</i> , 2021, 5, 2100501.	3.1	27
21	Template-free single-step preparation of hollow CoO nanospheres using pulsed laser ablation in liquid environment. <i>Arabian Journal of Chemistry</i> , 2021, 14, 103317.	2.3	19
22	Clusters-based silver nanorings: An active substrate for surface-enhanced Raman scattering. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 263, 120141.	2.0	5
23	Polymer-Templated Durable and Hydrophobic Nanostructures for Hydrogen Gas Sensing Applications. <i>Polymers</i> , 2021, 13, 4470.	2.0	1
24	Ternary Bi ₂ S ₃ /MoS ₂ /TiO ₂ with double Z-scheme configuration as high performance photocatalyst. <i>Applied Surface Science</i> , 2020, 499, 143938.	3.1	89
25	CeO ₂ Nanostructures Enriched with Oxygen Vacancies for Photocatalytic CO ₂ Reduction. <i>ACS Applied Nano Materials</i> , 2020, 3, 138-148.	2.4	148
26	Laser-assisted synthesis of Z-scheme TiO ₂ /rGO/g-C ₃ N ₄ nanocomposites for highly enhanced photocatalytic hydrogen evolution. <i>Applied Surface Science</i> , 2020, 534, 147578.	3.1	44
27	Fabrication and Characterization of Transparent and Scratch-Proof Yttrium/Sialon Thin Films. <i>Nanomaterials</i> , 2020, 10, 2283.	1.9	10
28	Nanostructured MagnÃ©li-Phase W ₁₈ O ₄₉ Thin Films for Photoelectrochemical Water Splitting. <i>Catalysts</i> , 2020, 10, 526.	1.6	20
29	Surface-engineered WO ₃ thin films for efficient NO ₂ sensing. <i>Applied Surface Science</i> , 2020, 517, 146235.	3.1	30
30	A novel Cs ₂ Oâ€šBi ₂ O ₃ â€šTiO ₂ â€šZnO heterostructure with direct Z-Scheme for efficient photocatalytic water splitting. <i>Ceramics International</i> , 2019, 45, 23756-23764.	2.3	17
31	Silver Nanoparticle-Decorated Tin Oxide Thin Films: Synthesis, Characterization, and Hydrogen Gas Sensing. <i>Frontiers in Materials</i> , 2019, 6, .	1.2	23
32	CuO/ZnO/g-C ₃ N ₄ heterostructures as efficient visible light-driven photocatalysts. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103412.	3.3	61
33	Novel Green Biomimetic Approach for Synthesis of ZnO-Ag Nanocomposite; Antimicrobial Activity against Food-borne Pathogen, Biocompatibility and Solar Photocatalysis. <i>Scientific Reports</i> , 2019, 9, 8303.	1.6	129
34	UV-activated gold decorated rGO/ZnO heterostructured nanocomposite sensor for efficient room temperature H ₂ detection. <i>Sensors and Actuators B: Chemical</i> , 2019, 290, 666-675.	4.0	86
35	Editorial: Nano-Hetero-Structures for Chemical Sensing: Opportunities and Challenges. <i>Frontiers in Materials</i> , 2019, 6, .	1.2	1
36	Sunlight-Driven Combustion Synthesis of Defective Metal Oxide Nanostructures with Enhanced Photocatalytic Activity. <i>ACS Omega</i> , 2019, 4, 20595-20605.	1.6	28

#	ARTICLE	IF	CITATIONS
37	A novel approach to fabricating a ternary rGO/ZnO/Pt system for high-performance hydrogen sensor at low operating temperatures. <i>Applied Surface Science</i> , 2019, 464, 616-626.	3.1	82
38	Electronically semitransparent ZnO nanorods with superior electron transport ability for DSSCs and solar photocatalysis. <i>Ceramics International</i> , 2018, 44, 7202-7208.	2.3	33
39	Gold nanoparticles incorporated SnO ₂ thin film: highly responsive and selective detection of NO ₂ at room temperature. <i>Materials Letters</i> , 2018, 214, 283-286.	1.3	26
40	Direct Z-scheme Cs ₂ O@Bi ₂ O ₃ @ZnO heterostructures for photocatalytic overall water splitting. <i>Journal of Materials Chemistry A</i> , 2018, 6, 21379-21388.	5.2	96
41	Direct Z-Scheme Cs ₂ O@Bi ₂ O ₃ @ZnO Heterostructures as Efficient Sunlight-Driven Photocatalysts. <i>ACS Omega</i> , 2018, 3, 12260-12269.	1.6	60
42	Room-temperature detection of hydrogen by platinum-decorated tin oxide thin films augmented by heat-treatment. <i>Vacuum</i> , 2018, 156, 68-77.	1.6	11
43	The correlation among morphology, oxygen vacancies and properties of ZnO nanoflowers. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 13551-13560.	1.1	19
44	Hydrogen gas sensing performance of low partial oxygen-mediated nanostructured zinc oxide thin film. <i>Sensors and Actuators B: Chemical</i> , 2017, 248, 868-877.	4.0	32
45	Synthesis of heterostructured Bi ₂ O ₃ @CeO ₂ @ZnO photocatalyst with enhanced sunlight photocatalytic activity. <i>Ceramics International</i> , 2017, 43, 5292-5301.	2.3	115
46	Heterogeneous growth mechanism of ZnO nanostructures and the effects of their morphology on optical and photocatalytic properties. <i>CrystEngComm</i> , 2017, 19, 3299-3312.	1.3	86
47	Hydrogen sensing properties of sputtered ZnO films decorated with Pt nanoparticles. <i>Ceramics International</i> , 2016, 42, 12378-12384.	2.3	56
48	Spectral Absorption Depth Profile: A Step Forward to Plasmonic Solar Cell Design. <i>Journal of Electronic Materials</i> , 2016, 45, 5695-5702.	1.0	1
49	Synthesis, characterization, and hydrogen gas sensing properties of AuNPs-catalyzed ZnO sputtered thin films. <i>Applied Surface Science</i> , 2016, 375, 57-64.	3.1	28
50	Enhanced photoelectrochemical and photocatalytic activity of WO ₃ -surface modified TiO ₂ thin film. <i>Nanoscale Research Letters</i> , 2015, 10, 54.	3.1	32
51	Morphological, structural and optical properties of silver treated zinc oxide thin film. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 139-148.	1.1	9
52	Silver nanoparticles on conducting electrode: a simple two-step process for realizing plasmonic solar cell design. <i>Applied Physics A: Materials Science and Processing</i> , 2014, 117, 459-465.	1.1	4
53	Silver nanoparticles on Zinc Oxide thin film: An insight in fabrication and characterization. <i>IOP Conference Series: Materials Science and Engineering</i> , 2014, 64, 012018.	0.3	4
54	Metallic quantum dots as sensitizers for solar cells. , 2013, , .		0

#	ARTICLE	IF	CITATIONS
55	Crystalline nanostructured Cu doped ZnO thin films grown at room temperature by pulsed laser deposition technique and their characterization. Applied Surface Science, 2013, 270, 104-108.	3.1	70
56	Synthesis of nickel oxide nanoparticles using pulsed laser ablation in liquids and their optical characterization. Applied Surface Science, 2012, 258, 6982-6986.	3.1	130
57	Optical Properties of Bismuth Oxide Nanoparticles Synthesized by Pulsed Laser Ablation in Liquids. Science of Advanced Materials, 2012, 4, 507-510.	0.1	42
58	Enhancement in photocatalytic activity for acetaldehyde removal by embedding ZnO nano particles on multiwall carbon nanotubes. Chemical Engineering Journal, 2011, 166, 407-412.	6.6	125
59	Growth of metal oxide nanoparticles using pulsed laser ablation technique. , 2011, , .		3
60	Preparation and characterization of SnO ₂ nanoparticles using high power pulsed laser. Applied Surface Science, 2010, 256, 7067-7070.	3.1	82
61	Spectroscopic characterization approach to study surfactants effect on ZnO ₂ nanoparticles synthesis by laser ablation process. Applied Surface Science, 2010, 256, 4661-4666.	3.1	74
62	Effect of post-annealing temperature on structural and optical properties of nano-ZnO synthesised from ZnO<sub align=right>2 by laser ablation method. International Journal of Nanoparticles, 2010, 3, 257.	0.1	8
63	Preparation of a MWCNT/ZnO nanocomposite and its photocatalytic activity for the removal of cyanide from water using a laser. Nanotechnology, 2010, 21, 495705.	1.3	80
64	Synthesis of nanostructured ZnO and ZnO<sub align=right>2 by laser ablation process using third harmonic of Nd:YAG laser. International Journal of Nanoparticles, 2009, 2, 119.	0.1	13
65	Synthesis of ZnO ₂ nanoparticles by laser ablation in liquid and their annealing transformation into ZnO nanoparticles. Applied Surface Science, 2009, 256, 298-304.	3.1	184
66	Silver Nanoparticles on Zinc Oxide: An Approach to Plasmonic PV Solar Cell. Advanced Materials Research, 0, 938, 280-285.	0.3	1