

Huda Abdullah

List of Publications by Year in descending order

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53
papers

509
citations

840776

11
h-index

888059

17
g-index

58
all docs

58
docs citations

58
times ranked

386
citing authors

#	ARTICLE	IF	CITATIONS
1	WO ₃ -based photocatalysts: A review on synthesis, performance enhancement and photocatalytic memory for environmental applications. <i>Ceramics International</i> , 2022, 48, 5845-5875.	4.8	52
2	Solid waste monitoring and management using RFID, GIS and GSM. , 2009, , .		44
3	Oilfield-produced water treatment using conventional and membrane-based technologies for beneficial reuse: A critical review. <i>Journal of Environmental Management</i> , 2022, 308, 114556.	7.8	38
4	Development of lanthanum strontium cobalt ferrite composite cathodes for intermediate- to low-temperature solid oxide fuel cells. <i>Journal of Zhejiang University: Science A</i> , 2013, 14, 11-24.	2.4	29
5	Solid waste monitoring system integration based on RFID, GPS and camera. , 2010, , .		27
6	Phytochemical-Assisted Green Synthesis of Nickel Oxide Nanoparticles for Application as Electrocatalysts in Oxygen Evolution Reaction. <i>Catalysts</i> , 2021, 11, 1523.	3.5	20
7	Structural and morphological studies of zinc oxide incorporating single-walled carbon nanotubes as a nanocomposite thin film. <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 3603-3610.	2.2	19
8	High performance of a carbon monoxide sensor based on a Pd-doped graphene-tin oxide nanostructure composite. <i>Ionics</i> , 2019, 25, 4459-4468.	2.4	15
9	Miniaturization of GPS patch antennas based on novel dielectric ceramics Zn(1-x)MgxAl ₂ O ₄ by sol-gel method. <i>Journal of Sol-Gel Science and Technology</i> , 2014, 69, 429-440.	2.4	14
10	Characterization of zinc oxide dye-sensitized solar cell incorporation with single-walled carbon nanotubes. <i>Journal of Materials Research</i> , 2013, 28, 1753-1760.	2.6	13
11	PANI-Ag-Cu Nanocomposite Thin Films Based Impedimetric Microbial Sensor for Detection of <i>E. coli</i> Bacteria. <i>Journal of Nanomaterials</i> , 2014, 2014, 1-8.	2.7	13
12	Enhancement of dye-sensitized solar cell efficiency using carbon nanotube/TiO ₂ nanocomposite thin films fabricated at various annealing temperatures. <i>Electronic Materials Letters</i> , 2014, 10, 611-619.	2.2	13
13	Synthesis and fabrication of (1-x)ZnAl ₂ O ₄ -xSiO ₂ thin films to be applied as patch antennas. <i>Journal of Sol-Gel Science and Technology</i> , 2014, 69, 183-192.	2.4	12
14	Experimental and smoothed particle hydrodynamics analysis of interfacial bonding between aluminum powder particles and aluminum substrate by cold spray technique. <i>International Journal of Advanced Manufacturing Technology</i> , 2019, 103, 4519-4527.	3.0	12
15	Fabrication of High Performance PVDF Hollow Fiber Membrane Using Less Toxic Solvent at Different Additive Loading and Air Gap. <i>Membranes</i> , 2021, 11, 843.	3.0	10
16	Chitosan-Based Smart Polymeric Hydrogels and Their Prospective Applications in Biomedicine. <i>Starch/Staerke</i> , 2024, 76, 2100150.	2.1	10
17	Zinc oxide/graphene nanocomposite as efficient photoelectrode in dye-sensitized solar cells: Recent advances and future outlook. <i>International Journal of Energy Research</i> , 2022, 46, 7082-7100.	4.5	10
18	Synthesis and characterization of gahnite-based microwave dielectric ceramics (MDC) for microstrip antennas prepared by a sol-gel method. <i>Journal of Sol-Gel Science and Technology</i> , 2015, 74, 557-565.	2.4	9

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19	Bisphenol A Removal Using Visible Light Driven Cu ₂ O/PVDF Photocatalytic Dual Layer Hollow Fiber Membrane. <i>Membranes</i> , 2022, 12, 208.	3.0	9
20	Transport Critical Current Density of (Bi _{1.6} Pb _{0.4})Sr ₂ Ca ₂ Cu ₃ O ₁₀ Ceramic Superconductor with Different Nanosized Co ₃ O ₄ Addition. <i>Advances in Condensed Matter Physics</i> , 2014, 2014, 1-8.	1.1	8
21	Characterization of Ti _x Zn _(1-x) Al ₂ O ₄ thin films by sol-gel method for GPS patch antennae. <i>Journal of the Korean Physical Society</i> , 2015, 66, 41-45.	0.7	8
22	Characterization and Dielectric Properties of Novel Dielectric Ceramics $C_{1-x}Z_n(1-x)A_2O_{2.4}$ for GPS Patch Antennas. <i>International Journal of Applied Ceramic Technology</i> , 2015, 12, E32.	2.4	8
23	Improved catalytic activity of Pt/rGO counter electrode in In ₂ O ₃ -based DSSC. <i>Ionics</i> , 2016, 22, 2487-2497.	2.4	8
24	Direct and Sensitive Detection of Dopamine Using Carbon Quantum Dots Based Refractive Index Surface Plasmon Resonance Sensor. <i>Nanomaterials</i> , 2022, 12, 1799.	4.1	8
25	GPS patch antenna performance by modification of Zn _(1-x) CaxAl ₂ O ₄ -based microwave dielectric ceramics. <i>Journal of Sol-Gel Science and Technology</i> , 2014, 71, 477-489.	2.4	7
26	Morphology, Structural and Electrical Properties of Ag-Cu Alloy Nanoparticles Embedded in PVA Matrix and Its Performance as E. coli Monitoring Sensor. <i>Arabian Journal for Science and Engineering</i> , 2015, 40, 915-922.	1.1	7
27	(SiO ₂) _{100-x} Ni _x (x=2.5, 10.0) Composite-based photoanode with polymer gel electrolyte for increased dye-sensitized solar cell performance. <i>Ionics</i> , 2019, 25, 3387-3396.	2.4	7
28	Mechanical, thermal and morphological properties of thermoplastic polyurethane composite reinforced by multi-walled carbon nanotube and titanium dioxide hybrid fillers. <i>Polymer Bulletin</i> , 2021, 78, 5815-5832.	3.3	7
29	Synthesis and fabrication of GPS patch antennas by using Zn _(1-x) Ti _x Al ₂ O ₄ thin films. <i>Journal of Sol-Gel Science and Technology</i> , 2015, 74, 566-574.	2.4	6
30	Microwave dielectric properties of Mn _x Zn _(1-x) Fe ₂ O ₄ ceramics and their compatibility with patch antenna. <i>Journal of Sol-Gel Science and Technology</i> , 2016, 77, 470-479.	2.4	6
31	Identification of <i>Leptospira</i> in water by Fe-Pd-doped polyaniline nanocomposite thin film. <i>Nanomaterials and Nanotechnology</i> , 2021, 11, 184798042110113.	3.0	6
32	Ammonia removal by adsorptive clinoptilolite ceramic membrane: Effect of dosage, isothermal behavior and regeneration process. <i>Korean Journal of Chemical Engineering</i> , 2021, 38, 807-815.	2.7	6
33	Fabrication and characterization of robust zirconia-kaolin hollow fiber membrane: Alkaline dissolution study in ammonia solution. <i>Korean Journal of Chemical Engineering</i> , 2021, 38, 2446-2460.	2.7	6
34	The effect of surface texturing on GaAs solar cell using TCAD tools. , 2008, , .		5
35	Effect on structural, optical and dielectric properties of mixed (1-x)ZnFe ₂ O ₄ -xSiO ₂ as microwave dielectric ceramic material. <i>Journal of Sol-Gel Science and Technology</i> , 2016, 77, 218-227.	2.4	5
36	Characterization of expeditious <i>Leptospira</i> bacteria detection using PANI-Fe-Ni nanocomposite thin film. <i>Polymer Bulletin</i> , 2020, 77, 3969-3987.	3.3	5

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37	Study of $(1-x)ZnAl_2O_4 \cdot xSiO_2$ spinel structures as microwave dielectric materials. Journal of Sol-Gel Science and Technology, 2014, 71, 413-420.	2.4	3
38	Incident photon-to-current efficiency of thermally treated SWCNTs-based nanocomposite for dye-sensitized solar cell. Ionics, 2019, 25, 747-761.	2.4	3
39	A new analytical model for lateral breakdown voltage of double-gate power MOSFETs. , 2011, , .		2
40	Investigation of user scheduling schemes under different MIMO transmission modes for carrier aggregation in LTE-A. , 2014, , .		2
41	Synthesis and characterization of PANI-Fe _x -Al _{1-x} (x=0.8, 0.6) nanocomposite thin films for identification of pathogenic Leptospira. Ionics, 2018, 24, 1515-1528.	2.4	2
42	Analytical modeling and simulation of a fully depleted three-gate silicon MESFET on SOI material. Journal of Computational Electronics, 2019, 18, 91.	2.5	2
43	Influence of Fe ₂ O ₃ in ZnO/GO-based dye-sensitized solar cell. Polymer Bulletin, 0, , 1.	3.3	2
44	Impact of Feedback Channel Delay over Joint User Scheduling Scheme and Separated Random User Scheduling Scheme in LTE-A System with Carrier Aggregation. Journal of Computer Networks and Communications, 2014, 2014, 1-7.	1.6	1
45	Drain breakdown voltage model of fully-depleted SOI four-gate MOSFETs. , 2016, , .		1
46	Nanostructured TiO ₂ thin films for DSSCs prepared by sol gel technique. AIP Conference Proceedings, 2017, , .	0.4	1
47	Effect of energy band misalignment and morphology in In ₂ O ₃ -CNTs on electron transport in dye-sensitized solar cell. Molecular Crystals and Liquid Crystals, 2020, 702, 76-86.	0.9	1
48	An electrochemical sensor based on PANI-Ag _{1-x} -Fex nanocomposite thin films irradiated by 10 kGy of gamma ray for E. coli detection applications. Materials Research Innovations, 2022, 26, 159-167.	2.3	1
49	Effect of channel length on single walled carbon nanotubes thin film characteristics deposited via spray coating technique. , 2021, , .		1
50	Enhanced photovoltaic performance of various temperature TiO ₂ -SiO ₂ -Ni-GO dye-sensitized solar cells assembled with PAN gel electrolyte. Journal of Sol-Gel Science and Technology, 2022, 101, 269-278.	2.4	1
51	Effect of energy band misalignment and morphology in In ₂ O ₃ -CNTs on electron transport in dye-sensitized solar cell. Molecular Crystals and Liquid Crystals, 2019, 694, 21-31.	0.9	0
52	Zinc Oxide Quantum Dots as Photoanode for Dye-Sensitized Solar Cell. , 2020, , .		0
53	The Influence of Growth Method Towards Carbon Nanotube Field Effect Transistor Performance. , 2021, , .		0