

Dahlang Tahir

List of Publications by Year in descending order

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91
papers

1,624
citations

331670

21
h-index

345221

36
g-index

92
all docs

92
docs citations

92
times ranked

1519
citing authors

#	ARTICLE	IF	CITATIONS
1	Electronic and optical properties of Cu, CuO and Cu ₂ O studied by electron spectroscopy. Journal of Physics Condensed Matter, 2012, 24, 175002.	1.8	317
2	Electronic and optical properties of Al ₂ O ₃ /SiO ₂ thin films grown on Si substrate. Journal Physics D: Applied Physics, 2010, 43, 255301.	2.8	75
3	Carbon by Williamson's Hall and size-strain plot methods. Nano Structures Nano Objects, 2019, 20, 100333.	3.5	66
4	Reflection electron energy loss spectroscopy for ultrathin gate oxide materials. Surface and Interface Analysis, 2012, 44, 623-627.	1.8	50
5	Band alignment of atomic layer deposited (ZrO ₂) _x (SiO ₂) _{1-x} gate dielectrics on Si (100). Applied Physics Letters, 2009, 94, 212902.	3.3	47
6	Electronic and optical properties of selected polymers studied by reflection electron energy loss spectroscopy. Journal of Applied Physics, 2012, 111, .	2.5	46
7	Electronic and optical properties of hafnium indium zinc oxide thin film by XPS and REELS. Journal of Electron Spectroscopy and Related Phenomena, 2012, 185, 18-22.	1.7	44
8	Electronic properties of composite iron (II, III) oxide (Fe ₃ O ₄) carbonaceous absorber materials by electron spectroscopy. Journal of Electron Spectroscopy and Related Phenomena, 2018, 229, 47-51.	1.7	43
9	Quantitative analysis of diffraction and infra-red spectra of composite cement/BaSO ₄ /Fe ₃ O ₄ for determining correlation between attenuation coefficient, structural and optical properties. Ceramics International, 2020, 46, 18601-18607.	4.8	43
10	Analysis of Chemical and Physical Properties of Biochar from Rice Husk Biomass. Journal of Physics: Conference Series, 2018, 979, 012038.	0.4	40
11	Enhanced photocatalytic degradation of rhodamine 6G (R6G) using ZnO@Ag nanoparticles synthesized by pulsed laser ablation in liquid (PLAL). Journal of Alloys and Compounds, 2021, 886, 161291.	5.5	37
12	Composition dependence of dielectric and optical properties of Hf-Zr-silicate thin films grown on Si(100) by atomic layer deposition. Thin Solid Films, 2016, 616, 425-430.	1.8	32
13	Natural source of carbon dots from part of a plant and its applications: a review. Luminescence, 2021, 36, 1354-1364.	2.9	31
14	Stopping powers and inelastic mean free path of 200 eV-50 keV electrons in polymer PMMA, PE, and PVC. Applied Radiation and Isotopes, 2015, 95, 59-62.	1.5	29
15	Optical and structural investigation of synthesis ZnO/Ag Nanoparticles prepared by laser ablation in liquid. Materials Science in Semiconductor Processing, 2020, 105, 104712.	4.0	29
16	Band alignment of atomic layer deposited (HfZrO ₄) _x (SiO ₂) _{1-x} gate dielectrics on Si (100). Applied Physics Letters, 2015, 107, .	3.3	27
17	Nanocomposites Fe/Activated Carbon/PVA for Microwave Absorber: Synthesis and Characterization. Journal of Nanomaterials, 2018, 2018, 1-6.	2.7	27
18	Composite cassava starch/chitosan/Pineapple Leaf Fiber (PALF)/Zinc Oxide (ZnO): Bioplastics with high mechanical properties and faster degradation in soil and seawater. International Journal of Biological Macromolecules, 2022, 213, 814-823.	7.5	27

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19	Dielectric and optical properties of Zr silicate thin films grown on Si(100) by atomic layer deposition. Journal of Applied Physics, 2009, 106, 084108.	2.5	25
20	Electronic and optical properties of Fe, Pd, and Ti studied by reflection electron energy loss spectroscopy. Journal of Applied Physics, 2014, 115, 243508.	2.5	25
21	Bioplastics Starch-Based with Additional Fiber and Nanoparticle: Characteristics and Biodegradation Performance: A Review. Journal of Polymers and the Environment, 2021, 29, 3459-3476.	5.0	25
22	Quantitative analysis of reflection electron energy loss spectra to determine electronic and optical properties of Fe-Ni alloy thin films. Journal of Electron Spectroscopy and Related Phenomena, 2016, 206, 6-11.	1.7	24
23	Potentials of Biochars Derived from Bamboo Leaf Biomass as Energy Sources: Effect of Temperature and Time of Heating. International Journal of Biomaterials, 2019, 2019, 1-9.	2.4	23
24	Electronic and optical properties of La-aluminate dielectric thin films on Si (100). Surface and Interface Analysis, 2010, 42, 1566-1569.	1.8	21
25	Review effect of various types of dyes and structures in supporting performance of dye-sensitized solar cell TiO_2 -based nanocomposites. International Journal of Energy Research, 2022, 46, 726-742.	4.5	20
26	Modification in electronic, structural, and magnetic properties based on composition of composites Copper (II) Oxide (CuO) and Carbonaceous material. Materials Research Express, 2019, 6, 035705.	1.6	19
27	Composite Carbon-lignin/ Zinc Oxide Nanocrystalline Ball-like Hexagonal Mediated from Jatropha curcas L Leaf as Photocatalyst for Industrial Dye Degradation. Journal of Inorganic and Organometallic Polymers and Materials, 2020, 30, 4905-4916.	3.7	19
28	Effect of growth temperature on structural and electronic properties of ZnO thin films. AIP Conference Proceedings, 2017, . .	0.4	18
29	Excellent electromagnetic wave absorption of Co/Fe ₂ O ₃ composites by additional activated carbon for tuning the optical and the magnetic properties. Journal of Alloys and Compounds, 2021, 864, 158780.	5.5	18
30	Electronic and optical properties of GIZO thin film grown on SiO ₂ /Si substrates. Surface and Interface Analysis, 2010, 42, 906-910.	1.8	17
31	Study on optical phonon vibration and gamma ray shielding properties of composite geopolymer fly ash-metal. Radiation Physics and Chemistry, 2021, 180, 109250.	2.8	17
32	Composite gelatin/Rhizophora SPP particleboards/PVA for soft tissue phantom applications. Radiation Physics and Chemistry, 2020, 173, 108878.	2.8	16
33	The correlations between structural and optical properties of magnetite nanoparticles synthesised from natural iron sand. Ceramics International, 2021, 47, 16820-16827.	4.8	16
34	Enhancement of absorbing frequency and photo-catalytic performance by temperature treatment of composites Fe ₃ O ₄ -AC nanoparticle. Advanced Powder Technology, 2020, 31, 905-913.	4.1	15
35	The Correlation between Structural and Optical Properties of Zinc Hydroxide Nanoparticle in Supports Photocatalytic Performance. Optical Materials, 2021, 112, 110780.	3.6	14
36	Enhanced Visible-Light Absorption of Fe ₂ O ₃ Covered by Activated Carbon for Multifunctional Purposes: Tuning the Structural, Electronic, Optical, and Magnetic Properties. ACS Omega, 2021, 6, 28334-28346.	3.5	14

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37	Optical properties determined from infrared spectroscopy and structural properties from diffraction spectroscopy of composites Fe/CNs/PVA for electromagnetic wave absorption. <i>Optical Materials</i> , 2021, 111, 110639.	3.6	13
38	High transparent wood composite for effective X-ray shielding applications. <i>Materials Research Bulletin</i> , 2022, 154, 111930.	5.2	13
39	Dye sensitized solar cell (DSSC) with natural dyes extracted from <i>Jatropha</i> leaves and purple <i>Chrysanthemum</i> flowers as sensitizer. <i>Journal of Physics: Conference Series</i> , 2018, 979, 012056.	0.4	12
40	Polymer Optical Fiber-Based Respiratory Sensors: Various Designs and Implementations. <i>Journal of Sensors</i> , 2019, 2019, 1-6.	1.1	12
41	Comparison of sensitivity and resolution load sensor at various configuration polymer optical fiber. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	11
42	Stopping powers and inelastic mean free path from quantitative analysis of experimental REELS spectra for electrons in Ti, Fe, Ni, and Pd. <i>Surface and Interface Analysis</i> , 2020, 52, 16-22.	1.8	11
43	Correlation between structural and optical properties of CuO/carbon nanoparticle in supports the photocatalytic performance and attenuate the electromagnetic wave. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104670.	6.7	11
44	Composites Bioplastic Film for Various Concentration of Zinc Oxide (ZnO) Nanocrystals Towards Physical Properties for High Biodegradability in Soil and Seawater. <i>Journal of Polymers and the Environment</i> , 2022, 30, 2589-2601.	5.0	11
45	High Absorption Electromagnetic Wave Properties of Composite CoFeO_3 Synthesized by Simple Mechanical Alloying. <i>ECS Journal of Solid State Science and Technology</i> , 2021, 10, 123015.	1.8	11
46	Synthesis composite starch-chitosan as biodegradable plastic for food packaging. <i>Journal of Physics: Conference Series</i> , 2019, 1317, 012053.	0.4	10
47	Effect of Fe_3O_4 in enhancement optical and gamma ray absorption properties of geopolymer apron cassava starch/black carbon/glycerin. <i>Optical Materials</i> , 2021, 113, 110887.	3.6	10
48	Determination of Binding Energy For Cu and Cu_2O Based X-Ray Diffraction Spectrum. <i>Journal of Physics: Conference Series</i> , 2018, 979, 012055.	0.4	9
49	Luminescence properties of carbon dots synthesis from sugar for enhancing glows in paints. <i>Materials Research Express</i> , 2019, 6, 095006.	1.6	9
50	Gelatin/Poly (vinyl alcohol)/Inorganic filler composites for phantom breasts. <i>Materials Chemistry and Physics</i> , 2021, 262, 124333.	4.0	8
51	Geopolimer Concrete for Radiation Shielding Application. <i>Materials Science Forum</i> , 0, 966, 41-47.	0.3	7
52	Effect of Sugar Palm Fiber (SPF) to the Structural and Optical Properties of Bioplastics (SPF/Starch/Chitosan/Polypropylene) in supporting Mechanical Properties and Degradation Performance. <i>Journal of Polymers and the Environment</i> , 2021, 29, 1694-1705.	5.0	7
53	Synergistic Effect of Chitosan and Activated Carbon (AC) in Suppressing Recombination Charge of Composite $\text{Ca}_2\text{Fe}_2\text{O}_5\text{~}^{\sim}\text{AC}$ /Chitosan for High Photodegradation of Fipronil Wastewater. <i>Journal of Polymers and the Environment</i> , 2022, 30, 3218-3229.	5.0	7
54	Design of sensor water turbidity based on polymer optical fiber. , 2017, , .		6

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55	Physical Characteristics of Soft Tissue Phantom from Silicone Rubber Based Vulcanization System. Materials Science Forum, 0, 966, 194-199.	0.3	6
56	Effect of Magnesium (Mg) to the Optical and Absorption Gamma-Ray Properties of Composite Shield Cassava Starch /Fe ₃ O ₄ /Mg. Radiation Physics and Chemistry, 2022, 191, 109843.	2.8	6
57	Green synthesis ZnO/TiO ₂ for high recyclability rapid sunlight photodegradation wastewater. MRS Advances, 2022, 7, 444-449.	0.9	6
58	Search for the Heisenberg spin glass on rewired square lattices with antiferromagnetic interaction. AIP Conference Proceedings, 2016, , .	0.4	5
59	New composites based on low-density polyethylene and rice husk: Elemental and thermal characteristics. Environmental Engineering Research, 2018, 23, 250-257.	2.5	5
60	Band alignment and optical properties of (ZrO ₂) _{0.66} (HfO ₂) _{0.34} gate dielectrics thin films on <i>p</i> -Si (100). Journal of Surface Analysis (Online), 2011, 17, 203-207.	0.1	4
61	Origin of positive V _{th} shift and mobility effects in amorphous GaInZnO thin films. Thin Solid Films, 2016, 616, 456-460.	1.8	4
62	Synthesis of Carbon Nanosphere at Low Temperatures Based on Bamboo Fiber. Materials Science Forum, 2019, 966, 163-168.	0.3	4
63	Structural and bonding characteristic of composite gelatine-PVA-Zn for phantom breast cancer applications. AIP Conference Proceedings, 2020, , .	0.4	4
64	Electronic and Optical Properties of Aluminum Oxide Before and After Surface Reduction by Ar ⁺ Bombardment. Atom Indonesia, 2014, 40, 63.	0.5	4
65	Annealing effect on the particle size and chemical composition of activated carbon obtained from vacuum furnace of teak sawdust. AIP Conference Proceedings, 2014, , .	0.4	3
66	Structural analysis of bioceramic materials for denture application. AIP Conference Proceedings, 2016, , .	0.4	3
67	Study of Image Quality From CT Scanner Multi-Detector by using Americans College of Radiology (ACR) Phantom. Journal of Physics: Conference Series, 2018, 979, 012080.	0.4	3
68	Pyrolysis characteristic of rice husk with plastic bag as fuel for power generation by using a thermogravimetric analysis. IOP Conference Series: Earth and Environmental Science, 2018, 105, 012034.	0.3	3
69	Electronic properties of Ga-In-Zn-O (GIZO) thin films: Effect of post-annealing. Journal of Electron Spectroscopy and Related Phenomena, 2019, 234, 1-4.	1.7	3
70	Decreasing charge recombination by magnetic trap of iron-carbon (Fe@C) composite for enhanced photocatalytic performance. Surface and Interface Analysis, 2021, 53, 446-459.	1.8	3
71	Stopping Powers and Inelastic Mean Free Path of 100 eV to 30 keV Electrons in Zirconium Silicates. Atom Indonesia, 2013, 38, 100.	0.5	3
72	Structural properties and bonding characteristics of honeycomb structure of composite ZnMnO ₂ and activated carbon. Journal of Applied Biomaterials and Functional Materials, 2019, 17, 228080001882018.	1.6	2

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73	Structural and bonding properties of honeycomb structure of composite nanoparticles Fe ₃ O ₄ and activated carbon. Journal of Physics: Conference Series, 2019, 1317, 012058.	0.4	2
74	Effect of carbon for enhancing degradation and mechanical properties of bioplastics composite cassava starch/glycerin/carbon. AIP Conference Proceedings, 2020, , .	0.4	2
75	Band Alignment and Optical Properties of (ZrO ₂) _{0.66} (HfO ₂) _{0.34} Gate Dielectrics Thin Films on p-Si (100). ITB Journal of Science, 2011, 43, 199-208.	0.1	2
76	Development trans-N-benzyl hydroxyl cinnamamide based compounds from cinnamic acids and characteristics anticancer potency. Journal of the Iranian Chemical Society, 0, , 1.	2.2	2
77	Low-Cost High-Sensitive Plastic Optical Fiber-Based Sensor for Detection of CO(NH ₂) ₂ Urea. Journal of Sensors, 2022, 2022, 1-9.	1.1	2
78	Sensor heavy metal from natural resources for a green environment: A review relation between synthesis method and luminescence properties of carbon dots. Luminescence, 0, , .	2.9	2
79	BAND ALIGNMENT OF ULTRATHIN GIZO/SiO ₂ /Si HETEROSTRUCTURE DETERMINED BY ELECTRON SPECTROSCOPY. Makara Seri Sains, 2012, 15, .	0.0	1
80	Gamma irradiation effect on the chemical composition and the antioxidant activity of Ipomoea batatas L., 2014, , .		1
81	Molecular and structural properties of polymer composites filled with activated charcoal particles. AIP Conference Proceedings, 2016, , .	0.4	1
82	Study of Image Quality, Radiation Dose and Low Contrast Resolution from MSCT Head by Using Low Tube Voltage. Journal of Physics: Conference Series, 2018, 979, 012078.	0.4	1
83	Mie Scattering Theory for Identifying Surface Plasmon Resonances (SPR) by the Finite-Size Model: Theoretical Study of Gold-Silver Core-Shell Nanospheres. Arabian Journal for Science and Engineering, 2023, 48, 789-801.	3.0	1
84	Study of chloride ion transport of composite by using cement and starch as a binder. AIP Conference Proceedings, 2016, , .	0.4	0
85	Deviation Value for Conventional X-ray in Hospitals in South Sulawesi Province from 2014 to 2016. Journal of Physics: Conference Series, 2018, 979, 012081.	0.4	0
86	Studies on Surface Morphology of Irreversible Hydrocolloid Impression Material Based on Brown Algae Type Padina sp.. IOP Conference Series: Materials Science and Engineering, 2019, 515, 012025.	0.6	0
87	Stopping power and inelastic mean free path of 300 eV-50 keV electrons for lanthanum aluminate. Journal of Physics: Conference Series, 2019, 1317, 012049.	0.4	0
88	Effect of Chlorine Plasma Treatment on Electronic Properties of GIZO Thin Film Grown on SiO ₂ /Si Substrate. Journal of Mathematical and Fundamental Sciences, 2014, 43, 209-217.	0.5	0
89	ZnO-Ag nanoparticles produced via two-step pulsed laser ablation in liquid (PLAL) as antibacterial agent against Staphylococcus aureus. AIP Conference Proceedings, 2021, , .	0.4	0
90	Sintesis Komposit ZnO/Ca ₃ (PO ₄) ₂ menggunakan metode Sol-gel sebagai Material Fotokatalis Limbah Cair Industri (Metilen Biru). Jurnal Fisika Flux, 2022, 19, 31.	0.2	0

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91	Sintesis Nanopartikel ZnO/Al ₂ (SO ₄) ₃ Dengan Metode Mechanical Alloying Sebagai Katalis Limbah Cair Untuk Meningkatkan Ketersediaan Air. Jurnal Fisika Flux, 2022, 19, 50.	0.2	0