Dahlang Tahir

List of Publications by Year
in descending order

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91	1,624	331670	345221
papers	citations	21 h-index	36 g-index

92	92	92	1519
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mie Scattering Theory for Identifying Surface Plasmon Resonances (SPR) by the Finite-Size Model: Theoretical Study of Gold-Silver Coreâ€“Shell Nanospheres. Arabian Journal for Science and Engineering, 2023, 48, 789-801.	3.0	1
2	Review effect of various types of dyes and structures in supporting performance of dyeâ€sensitized solar cell <scp> TiO ₂ â€based </scp> nanocomposites. International Journal of Energy Research, 2022, 46, 726-742.	4.5	20
3	Effect of Magnesium (Mg) to the Optical and Absorption Gamma-Ray Properties of Composite Shield Cassava Starch /Fe3O4/Mg. Radiation Physics and Chemistry, 2022, 191, 109843.	2.8	6
4	Green synthesis ZnO/TiO2 for high recyclability rapid sunlight photodegradation wastewater. MRS Advances, 2022, 7, 444-449.	0.9	6
5	Composites Bioplastic Film for Various Concentration of Zinc Oxide (ZnO) Nanocrystals Towards Physical Properties for High Biodegradability in Soil and Seawater. Journal of Polymers and the Environment, 2022, 30, 2589-2601.	5.0	11
6	Sintesis Komposit ZnO/Ca3(PO4)2 menggunakan metode Sol-gel sebagai Material Fotokatalis Limbah Cair Industri (Metilen Biru). Jurnal Fisika Flux, 2022, 19, 31.	0.2	0
7	Sintesis Nanopartikel Zno/Al2(So4)3 Dengan Metode Mechanical Alloying Sebagai Katalis Limbah Cair Untuk Meningkatkan Ketersediaan Air. Jurnal Fisika Flux, 2022, 19, 50.	0.2	0
8	Low-Cost High-Sensitive Plastic Optical Fiber-Based Sensor for Detection of CO(NH2)2 Urea. Journal of Sensors, 2022, 2022, 1-9.	1.1	2
9	Synergistic Effect of Chitosan and Activated Carbon (AC) in Suppressing Recombination Charge of Composite Ca2Fe2O5â^'AC/Chitosan for High Photodegradation of Fipronil Wastewater. Journal of Polymers and the Environment, 2022, 30, 3218-3229.	5.0	7
10	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
11	High transparent wood composite for effective X-ray shielding applications. Materials Research Bulletin, 2022, 154, 111930.	5.2	13
12	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
13	Optical properties determined from infrared spectroscopy and structural properties from diffraction spectroscopy of composites Fe/CNs/PVA for electromagnetic wave absorption. Optical Materials, 2021, 111, 110639.	3.6	13
14	Correlation between structural and optical properties of CuO/carbon nanoparticle in supports the photocatalytic performance and attenuate the electromagnetic wave. Journal of Environmental Chemical Engineering, 2021, 9, 104670.	6.7	11
15	Decreasing charge recombination by magnetic trap of ironâ€carbon (Feâ€AC) composite for enhanced photocatalytic performance. Surface and Interface Analysis, 2021, 53, 446-459.	1.8	3
16	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. Journal of Polymers and the Environment, 2021, 29, 1694-1705.	5.0	7
17	The Correlation between Structural and Optical Properties of Zinc Hydroxide Nanoparticle in Supports Photocatalytic Performance. Optical Materials, 2021, 112, 110780.	3.6	14
18	Effect of Fe3O4 in enhancement optical and gamma ray absorption properties of geopolymer apron cassava starch/black carbon/glycerin. Optical Materials, 2021, 113, 110887.	3.6	10

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19	Gelatin/Poly (vinyl alcohol)/Inorganic filler composites for phantom breasts. Materials Chemistry and Physics, 2021, 262, 124333.	4.0	8
20	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
21	Excellent electromagnetic wave absorption of Co/Fe2O3 composites by additional activated carbon for tuning the optical and the magnetic properties. Journal of Alloys and Compounds, 2021, 864, 158780.	5.5	18
22	Natural source of carbon dots from part of a plant and its applications: a review. Luminescence, 2021, 36, 1354-1364.	2.9	31
23	The correlations between structural and optical properties of magnetite nanoparticles synthesised from natural iron sand. Ceramics International, 2021, 47, 16820-16827.	4.8	16
24	Enhanced photocatalytic degradation of rhodamine 6G (R6G) using ZnOâ€“Ag nanoparticles synthesized by pulsed laser ablation in liquid (PLAL). Journal of Alloys and Compounds, 2021, 886, 161291.	5.5	37
25	Enhanced Visible-Light Absorption of Fe₂O₃ Covered by Activated Carbon for Multifunctional Purposes: Tuning the Structural, Electronic, Optical, and Magnetic Properties. ACS Omega, 2021, 6, 28334-28346.	3.5	14
26	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
27	High Absorption Electromagnetic Wave Properties of Composite CoFeO₃ Synthesized by Simple Mechanical Alloying. ECS Journal of Solid State Science and Technology, 2021, 10, 123015.	1.8	11
28	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
29	Enhancement of absorbing frequency and photo-catalytic performance by temperature treatment of composites Fe3O4-AC nanoparticle. Advanced Powder Technology, 2020, 31, 905-913.	4.1	15
30	Stopping powers and inelastic mean free path from quantitative analysis of experimental REELS spectra for electrons in Ti, Fe, Ni, and Pd. Surface and Interface Analysis, 2020, 52, 16-22.	1.8	11
31	Quantitative analysis of diffraction and infra-red spectra of composite cement/BaSO4/Fe3O4 for determining correlation between attenuation coefficient, structural and optical properties. Ceramics International, 2020, 46, 18601-18607.	4.8	43
32	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
33	Composite gelatin/Rhizophora SPP particleboards/PVA for soft tissue phantom applications. Radiation Physics and Chemistry, 2020, 173, 108878.	2.8	16
34	Structural and bonding characteristic of composite gelatine-PVA-Zn for phantom breast cancer applications. AIP Conference Proceedings, 2020, , .	0.4	4
35	Effect of carbon for enhancing degradation and mechanical properties of bioplastics composite cassava starch/glycerin/carbon. AIP Conference Proceedings, 2020, , .	0.4	2
36	Luminescence properties of carbon dots synthesis from sugar for enhancing glows in paints. Materials Research Express, 2019, 6, 095006.	1.6	9

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37	Fraction analysis of nanocomposite <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e1220" altimg="si3.svg"><mml:mrow><mml:msub><mml:mrow><mml:mi mathvariant="normal">Fe</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msub><mml:msub><mml:mrow><mml:mi mathvariant="normal">O</mml:mi></mml:mrow><mml:mrow><mml:mn>4</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math> carbon by Williamsonâ€“Hall and size-strain plot methods. Nano Structures Nano Objects, 2019, 20, 100393.	3.5	69
38	Polymer Optical Fiber-Based Respiratory Sensors: Various Designs and Implementations. Journal of Sensors, 2019, 2019, 1-6.	1.1	12
39	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
40	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
41	Structural properties and bonding characteristics of honeycomb structure of composite ZnMnO₂ and activated carbon. Journal of Applied Biomaterials and Functional Materials, 2019, 17, 228080001882018.	1.6	2
42	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
43	Stopping power and inelastic mean free path of 300 eVâ€“50 keV electrons for lanthanum aluminate. Journal of Physics: Conference Series, 2019, 1317, 012049.	0.4	0
44	Structural and bonding properties of honeycomb structure of composite nanoparticles Fe₃O₄ and activated carbon. Journal of Physics: Conference Series, 2019, 1317, 012058.	0.4	2
45	Synthesis composite starch-chitosan as biodegradable plastic for food packaging. Journal of Physics: Conference Series, 2019, 1317, 012053.	0.4	10
46	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
47	Synthesis of Carbon Nanosphere at Low Temperatures Based on Bamboo Fiber. Materials Science Forum, 2019, 966, 163-168.	0.3	4
48	Dye sensitized solar cell (DSSC) with natural dyes extracted from Jatropha leaves and purple Chrysanthemum flowers as sensitizer. Journal of Physics: Conference Series, 2018, 979, 012056.	0.4	12
49	Determination of Binding Energy For Cu and Cu₂o Based X-Ray Diffraction Spectrum. Journal of Physics: Conference Series, 2018, 979, 012055.	0.4	9
50	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
51	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
52	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
53	Electronic properties of composite iron (II, III) oxide (Fe3O4) carbonaceous absorber materials by electron spectroscopy. Journal of Electron Spectroscopy and Related Phenomena, 2018, 229, 47-51.	1.7	43
54	Nanocomposites Fe/Activated Carbon/PVA for Microwave Absorber: Synthesis and Characterization. Journal of Nanomaterials, 2018, 2018, 1-6.	2.7	27

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55	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
56	Analysis of Chemical and Physical Properties of Biochar from Rice Husk Biomass. Journal of Physics: Conference Series, 2018, 979, 012038.	0.4	40
57	New composites based on low-density polyethylene and rice husk: Elemental and thermal characteristics. Environmental Engineering Research, 2018, 23, 250-257.	2.5	5
58	Effect of growth temperature on structural and electronic properties of ZnO thin films. AIP Conference Proceedings, 2017, , .	0.4	18
59	Comparison of sensitivity and resolution load sensor at various configuration polymer optical fiber. AIP Conference Proceedings, 2017, , .	0.4	11
60	Design of sensor water turbidity based on polymer optical fiber. , 2017, , .		6
61	Structural analysis of bioceramic materials for denture application. AIP Conference Proceedings, 2016, , .	0.4	3
62	Study of chloride ion transport of composite by using cement and starch as a binder. AIP Conference Proceedings, 2016, , .	0.4	0
63	Search for the Heisenberg spin glass on rewired square lattices with antiferromagnetic interaction. AIP Conference Proceedings, 2016, , .	0.4	5
64	Molecular and structural properties of polymer composites filled with activated charcoal particles. AIP Conference Proceedings, 2016, , .	0.4	1
65	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
66	Origin of positive Vth shift and mobility effects in amorphous GaInZnO thin films. Thin Solid Films, 2016, 616, 456-460.	1.8	4
67	Quantitative analysis of reflection electron energy loss spectra to determine electronic and optical properties of Feâ€“Ni alloy thin films. Journal of Electron Spectroscopy and Related Phenomena, 2016, 206, 6-11.	1.7	24
68	Band alignment of atomic layer deposited (HfZrO4)1â^'x(SiO2)x gate dielectrics on Si (100). Applied Physics Letters, 2015, 107, .	3.3	27
69	Stopping powers and inelastic mean free path of 200 eVâ€“50 keV electrons in polymer PMMA, PE, and PVC. Applied Radiation and Isotopes, 2015, 95, 59-62.	1.5	29
70	Gamma irradiation effect on the chemical composition and the antioxidant activity of Ipomoea batatas L.. , 2014, , .		1
71	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
72	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

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73	Electronic and Optical Properties of Aluminum Oxide Before and After Surface Reduction by Ar⁺ Bombardment. Atom Indonesia, 2014, 40, 63.	0.5	4
74	Effect of Chlorine Plasma Treatment on Electronic Properties of GIZO Thin Film Grown on SiO2/Si Substrate. Journal of Mathematical and Fundamental Sciences, 2014, 43, 209-217.	0.5	0
75	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
76	Electronic and optical properties of selected polymers studied by reflection electron energy loss spectroscopy. Journal of Applied Physics, 2012, 111, .	2.5	46
77	BAND ALIGNMENT OF ULTRATHIN GIZO/SiO2/Si HETEROSTRUCTURE DETERMINED BY ELECTRON SPECTROSCOPY. Makara Seri Sains, 2012, 15, .	0.0	1
78	Reflection electron energy loss spectroscopy for ultrathin gate oxide materials. Surface and Interface Analysis, 2012, 44, 623-627.	1.8	50
79	Electronic and optical properties of Cu, CuO and Cu₂O studied by electron spectroscopy. Journal of Physics Condensed Matter, 2012, 24, 175002.	1.8	317
80	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
81	Band alignment and optical properties of (ZrO₂)_{0.66}(HfO₂)_{0.34} gate dielectrics thin films on <i>p</i>-Si (100). Journal of Surface Analysis (Online), 2011, 17, 203-207.	0.1	4
82	Band Alignment and Optical Properties of (ZrO2)0.66(HfO2)0.34 Gate Dielectrics Thin Films on p-Si (100). ITB Journal of Science, 2011, 43, 199-208.	0.1	2
83	Electronic and optical properties of GIZO thin film grown on SiO₂/Si substrates. Surface and Interface Analysis, 2010, 42, 906-910.	1.8	17
84	Electronic and optical properties of Laâ€aluminate dielectric thin films on Si (100). Surface and Interface Analysis, 2010, 42, 1566-1569.	1.8	21
85	Electronic and optical properties of Al₂O₃/SiO₂ thin films grown on Si substrate. Journal Physics D: Applied Physics, 2010, 43, 255301.	2.8	75
86	Band alignment of atomic layer deposited (ZrO2)x(SiO2)1âˆ'x gate dielectrics on Si (100). Applied Physics Letters, 2009, 94, 212902.	3.3	47
87	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
88	Geopolimer Concrete for Radiation Shielding Application. Materials Science Forum, 0, 966, 41-47.	0.3	7
89	Physical Characteristics of Soft Tissue Phantom from Silicone Rubber Based Vulcanization System. Materials Science Forum, 0, 966, 194-199.	0.3	6
90	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

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91	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