

Cuk Imawan

List of Publications by Year in descending order

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44
papers

758
citations

623734

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920
citing authors

#	ARTICLE	IF	CITATIONS
1	Gas-sensing characteristics of modified-MoO ₃ thin films using Ti-overlayers for NH ₃ gas sensors. <i>Sensors and Actuators B: Chemical</i> , 2000, 64, 193-197.	7.8	94
2	Enhancement of NO ₂ sensing properties of In ₂ O ₃ -based thin films using an Au or Ti surface modification. <i>Sensors and Actuators B: Chemical</i> , 2001, 78, 106-112.	7.8	85
3	A new preparation method for sputtered MoO ₃ multilayers for the application in gas sensors. <i>Sensors and Actuators B: Chemical</i> , 2001, 78, 119-125.	7.8	82
4	Structural and gas-sensing properties of V ₂ O ₅ /MoO ₃ thin films for H ₂ detection. <i>Sensors and Actuators B: Chemical</i> , 2001, 77, 346-351.	7.8	68
5	The enhanced performance of capacitive-type humidity sensors based on ZnO nanorods/WS ₂ nanosheets heterostructure. <i>Sensors and Actuators B: Chemical</i> , 2020, 310, 127810.	7.8	68
6	Fabrication parameters and NO ₂ sensitivity of reactively RF-sputtered In ₂ O ₃ thin films. <i>Sensors and Actuators B: Chemical</i> , 2000, 68, 249-253.	7.8	53
7	TiO _x -modified NiO thin films for H ₂ gas sensors: effects of TiO _x -overlayer sputtering parameters. <i>Sensors and Actuators B: Chemical</i> , 2000, 68, 184-188.	7.8	43
8	A modular system of SiC-based microhotplates for the application in metal oxide gas sensors. <i>Sensors and Actuators B: Chemical</i> , 2000, 64, 95-101.	7.8	37
9	A highly stable SiC based microhotplate NO ₂ gas-sensor. <i>Sensors and Actuators B: Chemical</i> , 2001, 78, 216-220.	7.8	34
10	A new SiC/HfB ₂ based low power gas sensor. <i>Sensors and Actuators B: Chemical</i> , 2001, 77, 111-115.	7.8	25
11	Bimetallic AuAg sharp-branch mesoflowers as catalyst for hydrogenation of acetone. <i>Materials Chemistry and Physics</i> , 2019, 225, 443-450.	4.0	19
12	New In _x O _y N _z films for the application in NO ₂ sensors. <i>Sensors and Actuators B: Chemical</i> , 2001, 77, 352-358.	7.8	18
13	Effect of precursor concentration on the structural and optical properties of ZnO nanorods prepared by hydrothermal method. <i>AIP Conference Proceedings</i> , 2016, , .	0.4	16
14	Post-annealing effect on optical absorbance of hydrothermally grown zinc oxide nanorods. <i>AIP Conference Proceedings</i> , 2016, , .	0.4	14
15	A localized surface plasmon resonance enhanced dye-based biosensor for formaldehyde detection. <i>Sensors and Actuators B: Chemical</i> , 2018, 257, 1128-1133.	7.8	13
16	Effect of glutaraldehyde to the mechanical properties of chitosan/nanocellulose. <i>Journal of Physics: Conference Series</i> , 2019, 1317, 012045.	0.4	9
17	The influence of calcination temperature on optical properties of ZnO nanoparticles. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	8
18	Pesticide colorimetric sensor based on silver nanoparticles modified by L-cysteine. , 2016, , .		7

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19	A green label for acetic acid detection based on chitosan and purple sweet potatoes extract. , 2017, , .		7
20	Time Temperature Indicator Label using Black Corn Extract and Chitosan Matrix. Journal of Physics: Conference Series, 2018, 1120, 012041.	0.4	7
21	Coriandrum sativum l. (apiaceae) and elettaria cardamomum (l.) maton (zingiberaceae) for antioxidant and antimicrobial protection. Journal of Physics: Conference Series, 2019, 1317, 012092.	0.4	7
22	The Effect of Deposition of MoSe ₂ Nanosheets on the Performance of a ZnO-based UV Detector. Journal of Physics: Conference Series, 2021, 1951, 012006.	0.4	7
23	A Novel Ternary CoFe ₂ O ₄ /CuO/CoFe ₂ O ₄ as a Giant Magnetoresistance Sensor. Journal of Mathematical and Fundamental Sciences, 2016, 48, 230-240.	0.5	6
24	Colorimetrie method by using natural dye for monitoring fish spoilage. , 2017, , .		4
25	Chlorophylls content prediction of green amaranth (Amaranthus tricolor L.) leaves based on Vis-NIR image. , 2017, , .		4
26	The prediction system of bruising depth of guava (psidium guajava L.) based on Vis-NIR imaging. , 2017, , .		3
27	Prediction of soluble solid contents mapping on Averrhoa carambola using hyperspectral imaging. , 2017, , .		3
28	Prediction system for soluble solid content in Averrhoa Carambola based on Vis-NIR image. , 2017, , .		3
29	Antibacterial activity of ZnO nanoparticles fabricated using laser ablation in solution technique. Journal of Physics: Conference Series, 2019, 1245, 012035.	0.4	3
30	A silver nanoparticle-based colorimetric detection of Fe ²⁺ . Journal of Physics: Conference Series, 2019, 1317, 012093.	0.4	2
31	Moisture Content Prediction System of Dried Sea Cucumber (Beche-de-mer) Based on Visual Near-Infrared Imaging. , 2019, , .		2
32	Antimicrobial effectiveness measurement using non-metric camera. , 2016, , .		1
33	Automatic tilting correction system for inhibition zones dimension measurement using low-cost camera. , 2016, , .		1
34	Liquid Radiochromic from Roselle Dye Extract for Gamma-ray Dosimetry Applications at Medium Dose Levels. , 2018, , .		1
35	Electrical Conductivity Prediction System of Honey using Hyperspectral Imaging. , 2018, , .		1
36	A Paper Label Made from Carmoisine Dyes as a Radiochromic Indicator for Gamma Rays. Materials Today: Proceedings, 2019, 13, 41-46.	1.8	1

#	ARTICLE	IF	CITATIONS
37	Clean synthesis of silver nanoparticles by radiochemical methods for antimicrobial materials. AIP Conference Proceedings, 2020, , .	0.4	1
38	Effect of glycerol on mechanical and water barrier properties of cassava starch/PVA composite films. AIP Conference Proceedings, 2020, , .	0.4	1
39	Effect of Paper Matrix on the Properties of the Ammonia Gas Indicator Label. Journal of Physics: Conference Series, 2018, 1120, 012032.	0.4	0
40	Salt Content Prediction System of Dried Sea Cucumber (Beche-de-mer) Based on Visual Near-Infrared Imaging. , 2019, , .		0
41	Gamma ray dosimeter using Ag-Tragacanth gel. Journal of Physics: Conference Series, 2020, 1568, 012011.	0.4	0
42	Natural Red Dyes From Hibiscuss sabdariffa L. Calyxes Extract For Gamma-Rays Detector. Journal of Physics: Conference Series, 2020, 1428, 012061.	0.4	0
43	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
44	Rapid Detection of Cadmium Concentration in Beche-de-mer Using Hyperspectral Imaging Technology and Deep Neural Networks Regression Technique. , 2021, , .		0