Irzaman

List of Publications by Year in Descending Order

60 papers	366 citations	12 h-index	16 g-index
71 ext. papers	462 ext. citations	0.7 avg, IF	3.61 L-index

#	Paper	IF	Citations
60	Sugarcane Bagasse as the Source of Nanocrystalline Cellulose for Gelatin-Free Capsule Shell.. *International Journal of Biomaterials*, **2022**, 2022, 9889127	3.2	1
59	The structure and optical properties of lithium niobate thin film (LiNbO3) grown on silicon for various lanthanum concentration and molarity. *Ferroelectrics*, **2022**, 589, 12-21	0.6	
58	Analysis of Phase Change of BaTiO3 Ferroelectric Material from a Tetragonal Crystal Structure (BaTiO3) to Orthorhombic (Ba4Ti13O30) to Monoclinic (Ba6Ti17O40). *Journal of Physics: Conference Series*, **2021**, 2019, 012063	0.3	
57	Magnetic properties of silicon dioxide from rice straw. *IOP Conference Series: Earth and Environmental Science*, **2021**, 749, 012070	0.3	
56	A graphene-modified Co-BDC metal-organic frameworks (Co-MOF) for electrochemical non-enzymatic glucose sensing. *IOP Conference Series: Materials Science and Engineering*, **2021**, 1045, 012010	0.4	1
55	Effect of Light Intensity on Magnetic Properties of SrTiO3 Thin- Films. *Key Engineering Materials*, **2020**, 855, 208-212	0.4	
54	The Mole Fraction Effect on Magnetic Properties of BaxSr1-xTiO3 (x = 0; 0.125; 0.25; 0.375; 0.500) Thin Film. *Key Engineering Materials*, **2020**, 855, 197-201	0.4	3
53	Best stochastics model for percentage of transmittance of lithium niobate affected by wavelength of visible light. *Ferroelectrics*, **2020**, 558, 222-239	0.6	1
52	Application of barium strontium titanate (BST) as a light sensor on led lights. *Ferroelectrics*, **2020**, 554, 160-171	0.6	2
51	Molecular functional group and optical analysis on chlorophyll of green choy sum and cassava leaves extracts. *IOP Conference Series: Earth and Environmental Science*, **2020**, 460, 012030	0.3	3
50	Application of thin film barium strontium titanate (BST) in a microcontroller based tool to measure oxygen saturation in blood. *Ferroelectrics*, **2020**, 554, 134-143	0.6	4
49	Application of Ba0.5Sr0.5TiO3 (Bst) Film Doped with 0%, 2%, 4% and 6% Concentrations of RuO2 as an Arduino Nano-Based Bad Breath Sensor. *Chemosensors*, **2020**, 8, 3	4	3
48	Optimization of optical properties of Ba0.2Sr0.8TiO3 thin films for a glucose sensor implementation. *Biomedical Spectroscopy and Imaging*, **2020**, 9, 63-71	1.3	
47	Optical characterization of Ba0.5Sr0.5TiO3 material grown on a p-type silicon substrate (111) doped niobium oxide and chlorophyll. *Ferroelectrics*, **2020**, 568, 62-70	0.6	5
46	Optical properties doped RuO2 (0, 2, 4, 6%) of thin film LiNbO3. *Journal of Physics: Conference Series*, **2019**, 1282, 012058	0.3	
45	Crystalline structures properties doped RuO2 (0, 2, 4, 6%) of thin film LiNbO3. *Journal of Physics: Conference Series*, **2019**, 1282, 012059	0.3	
44	Crystalline structure and optical properties of thin film LiTaO3. *IOP Conference Series: Earth and Environmental Science*, **2019**, 284, 012039	0.3	2

43	Micro-Raman Spectroscopy Investigation of Chlorophyll-doping effects on Ba0.2Sr0.8TiO3 Thin Film. *Journal of Physics: Conference Series*, **2019**, 1155, 012044	0.3	5
42	Surface Morphology Properties Doped RuO2 (0, 2, 4, 6%) of Thin Film LiNbO3. *Journal of Physics: Conference Series*, **2019**, 1282, 012040	0.3	1
41	Micro-Raman analysis of Ba0.2Sr0.8TiO3 (barium strontium titanate) doped of chlorophyll of cassava leaf. *Ferroelectrics*, **2019**, 540, 227-237	0.6	11
40	Analysis of Spectroscopy: Mustard Greens Leaf of Chlorophyll as a Ba0.2Sr0.8TiO3 (Barium Strontium Titanate) Film Dopant. *Integrated Ferroelectrics*, **2019**, 201, 75-85	0.8	4
39	Crystallinity and electrical properties of silicon dioxide (SiO2) from rice straw **2019**,		4
38	Fabrication and analysis phonon mode of barium strontium titanate-chlorophyll thin film (chlorophyll extract: green spinach, cassava, Green choy sum) **2019**,		2
37	Optical properties and microstructure rietveld analysis of CeO2-doped SrTiO3 thin film **2019**,		1
36	Application of lithium tantalate (LiTaO3) films as light sensor to monitor the light status in the Arduino Uno based energy-saving automatic light prototype and passive infrared sensor. *Ferroelectrics*, **2018**, 524, 44-55	0.6	17
35	The Optical Band Gap Based on K-M Function on Layer of LiTaO3 with Variation Treatment of Annealing Temperature **2018**,		1
34	Effects of Li and Cu dopants on the crystal structure of Ba0.65Sr0.35TiO3 thin films. *Ferroelectrics, Letters Section*, **2018**, 45, 49-57	0.5	7
33	Optical Properties of Lithium Niobate (LiNbO3) Thin Film Doped with Ruthenium Oxide. *IOP Conference Series: Earth and Environmental Science*, **2018**, 187, 012020	0.3	1
32	Extraction and Characterization of Silicon Dioxide from Rice Straw. *IOP Conference Series: Earth and Environmental Science*, **2018**, 209, 012013	0.3	3
31	Electrical Photoconductivity of Ta2O5 Doped Based on Ba0,5S0,5TiO3 Thin Film. *IOP Conference Series: Earth and Environmental Science*, **2018**, 187, 012077	0.3	
30	Analysis of Energy Gap and The Refractive Index of Barium Strontium Titanate (Ba0.2Sr0.8TiO3) Films doped of Chlorophyll from Green Leafy Vegetables. *IOP Conference Series: Earth and Environmental Science*, **2018**, 209, 012012	0.3	5
29	Analysis of saturation currents and barrier height of Ta2O5 doped based on Ba0,5S0,5TiO3 photodiode. *Integrated Ferroelectrics*, **2018**, 192, 164-177	0.8	2
28	Optical properties and crystal structure of lithium doped Ba0.55Sr0.45TiO3 (BLST) thin films. *Ferroelectrics, Letters Section*, **2018**, 45, 14-21	0.5	3
27	Ampel Bamboo Leaves Silicon Dioxide (SiO2) Extraction. *IOP Conference Series: Earth and Environmental Science*, **2018**, 141, 012014	0.3	4
26	Barium strontium titanate thin film growth with variation of lanthanum dopant compatibility as sensor prototype in the satellite technology. *IOP Conference Series: Earth and Environmental Science* , **2018**, 149, 012069	0.3	3

25	The effect of annealing temperature variation on the optical properties test of LiTaO3 thin films based on Tauc Plot method for satellite technology. *IOP Conference Series: Earth and Environmental Science*, **2017**, 54, 012093	0.3	4
24	The optical band gap of LiTaO3and Nb2O5-doped LiTaO3thin films based on Tauc Plot method to be applied on satellite. *IOP Conference Series: Earth and Environmental Science*, **2017**, 54, 012092	0.3	9
23	Barium Strontium Titanate Thin Film Growth with rotational speed variation as a satellite temperature sensor prototype. *IOP Conference Series: Earth and Environmental Science*, **2017**, 54, 012094	0.3	1
22	Infra Red Light Emitting Diode in 1200 nm Range have Moderate Performance in Detecting Glucose in Human Blood Glucose Model. *IOP Conference Series: Earth and Environmental Science*, **2017**, 58, 012021	0.3	4
21	Modified Spin Coating Method for Coating and Fabricating Ferroelectric Thin Films as Sensors and Solar Cells **2017**,		2
20	Optical properties of Cu and Ru doped BST thin films with additive glycerol and MESA surfactant. *IOP Conference Series: Earth and Environmental Science*, **2017**, 65, 012031	0.3	3
19	The Effects of Lanthanum Dopant on the Structural and Optical Properties of Ferroelectric Thin Films **2017**,		1
18	Optical and structural properties of lanthanum doped lithium niobate thin films. *Ferroelectrics*, **2016**, 502, 9-18	0.6	17
17	Phasor Diagrams of Thin Film of LiTaO3 as Applied Infrared Sensors on Satellite of LAPAN-IPB. *Procedia Environmental Sciences*, **2016**, 33, 615-619		2
16	The Diffusion Coefficient of Lithium Tantalite (LiTaO3) with Temperature Variations on LAPAN-IPB Satellite Infra-red Sensor. *Procedia Environmental Sciences*, **2016**, 33, 668-673		3
15	Optical and Electrical Characterizations of Niobium-doped Ba0.25Sr0.75TiO3 (BSNT) on p-type Silicon and Corning Glass Substrates and its Implementation as Photodiode on Satellite of LAPAN IPB. *Procedia Environmental Sciences*, **2016**, 33, 620-625		6
14	Development of Ferroelectric Solar Cells of Barium Strontium Titanate (BaxSr1-xTiO3) for Subtituting Conventional Battery in LAPAN-IPB Satellite (LISAT). *Procedia Environmental Sciences*, **2016**, 33, 607-614		18
13	Preparation and Optical Properties Study of CuO thin Film as Applied Solar Cell on LAPAN-IPB Satellite. *Procedia Environmental Sciences*, **2016**, 33, 661-667		45
12	Characterization of Ba0.55Sr0.45TiO3 films as light and temperature sensors and its implementation on automatic drying system model. *Integrated Ferroelectrics*, **2016**, 168, 130-150	0.8	18
11	Development of Lithium Tantallite (LiTaO3) for Automatic Switch on LAPAN-IPB Satellite Infra-red Sensor. *Procedia Environmental Sciences*, **2015**, 24, 329-334		12
10	Reduction of High Purity Silicon from Bamboo Leaf as Basic Material in Development of Sensors Manufacture in Satellite Technology. *Procedia Environmental Sciences*, **2015**, 24, 308-316		17
9	Characterizations of Electrical and Optical Properties on Ferroelectric Photodiode of Barium Strontium Titanate (Ba0.5Sr0.5TiO3) Films Based on the Annealing Time Differences and its Development as Light Sensor on Satellite Technology. *Procedia Environmental Sciences*, **2015**, 24, 324-328		14
8	Development and Application of Ba0.5Sr0.5TiO3 (BST) Thin Film as Temperature Sensor for Satellite Technology. *Procedia Environmental Sciences*, **2015**, 24, 335-339		14

List of Publications

7	Characterization of Optical and Structural of Lanthanum Doped LiTaO3 Thin Films. *Integrated Ferroelectrics*, **2015**, 167, 137-145	0.8	22
6	Formation of solar cells based on Ba0.5Sr0.5TiO3 (BST) ferroelectric thick film **2014**,		7
5	The Effect of Ba/Sr Ratio on Electrical and Optical Properties of BaxSr(1-x)TiO3 (x = 0.25; 0.35; 0.45; 0.55) Thin Film Semiconductor. *Ferroelectrics*, **2013**, 445, 4-17	0.6	21
4	Development of Luxmeter Based on Ba0,25Sr0,75TiO3 Ferroelectric Material **2010**,		2
3	Rietveld analysis of ferroelectric PbZr0.525Ti0.475O3 thin films. *Ceramics International*, **2004**, 30, 1483-1485	1.8	3
2	Physical and pyroelectric properties of tantalum-oxide-doped lead zirconium titanate [Pb0.9950(Zr0.525Ti0.465Ta0.010)O3] thin films and their application for IR sensors. *Physica Status Solidi A*, **2003**, 199, 416-424		14
1	Optical Properties of Crystalline Ta2O5 Thin Films. *Physica Status Solidi A*, **2002**, 193, 53-60		8