Irzaman

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	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
59	Characterization of Optical and Structural of Lanthanum Doped LiTaO3 Thin Films. *Integrated Ferroelectrics*, **2015**, 167, 137-145	0.8	22
58	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
57	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
56	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
55	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
54	Optical and structural properties of lanthanum doped lithium niobate thin films. *Ferroelectrics*, **2016**, 502, 9-18	0.6	17
53	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
52	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
51	Development and Application of Ba0.5Sr0.5TiO3 (BST) Thin Film as Temperature Sensor for Satellite Technology. *Procedia Environmental Sciences*, **2015**, 24, 335-339		14
50	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
49	Development of Lithium Tantallite (LiTaO3) for Automatic Switch on LAPAN-IPB Satellite Infra-red Sensor. *Procedia Environmental Sciences*, **2015**, 24, 329-334		12
48	Micro-Raman analysis of Ba0.2Sr0.8TiO3 (barium strontium titanate) doped of chlorophyll of cassava leaf. *Ferroelectrics*, **2019**, 540, 227-237	0.6	11
47	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
46	Optical Properties of Crystalline Ta2O5 Thin Films. *Physica Status Solidi A*, **2002**, 193, 53-60		8
45	Formation of solar cells based on Ba0.5Sr0.5TiO3 (BST) ferroelectric thick film **2014**,		7
44	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

43	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
42	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
41	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
40	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
39	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
38	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
37	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
36	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
35	Crystallinity and electrical properties of silicon dioxide (SiO2) from rice straw **2019**,		4
34	Ampel Bamboo Leaves Silicon Dioxide (SiO2) Extraction. *IOP Conference Series: Earth and Environmental Science*, **2018**, 141, 012014	0.3	4
33	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
32	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
31	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
30	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
29	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
28	Rietveld analysis of ferroelectric PbZr0.525Ti0.475O3 thin films. *Ceramics International*, **2004**, 30, 1483-1485	5.8	3
27	Extraction and Characterization of Silicon Dioxide from Rice Straw. *IOP Conference Series: Earth and Environmental Science*, **2018**, 209, 012013	0.3	3
26	Optical properties and crystal structure of lithium doped Ba0.55Sr0.45TiO3 (BLST) thin films. *Ferroelectrics, Letters Section*, **2018**, 45, 14-21	0.5	3

25	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
24	Crystalline structure and optical properties of thin film LiTaO3. *IOP Conference Series: Earth and Environmental Science*, **2019**, 284, 012039	0.3	2
23	Application of barium strontium titanate (BST) as a light sensor on led lights. *Ferroelectrics*, **2020**, 554, 160-171	0.6	2
22	Modified Spin Coating Method for Coating and Fabricating Ferroelectric Thin Films as Sensors and Solar Cells **2017**,		2
21	Phasor Diagrams of Thin Film of LiTaO3 as Applied Infrared Sensors on Satellite of LAPAN-IPB. *Procedia Environmental Sciences*, **2016**, 33, 615-619		2
20	Development of Luxmeter Based on Ba0,25Sr0,75TiO3 Ferroelectric Material **2010**,		2
19	Fabrication and analysis phonon mode of barium strontium titanate-chlorophyll thin film (chlorophyll extract: green spinach, cassava, Green choy sum) **2019**,		2
18	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
17	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
16	Best stochastics model for percentage of transmittance of lithium niobate affected by wavelength of visible light. *Ferroelectrics*, **2020**, 558, 222-239	0.6	1
15	Surface Morphology Properties Doped RuO2 (0, 2, 4, 6%) of Thin Film LiNbO3. *Journal of Physics: Conference Series*, **2019**, 1282, 012040	0.3	1
14	The Effects of Lanthanum Dopant on the Structural and Optical Properties of Ferroelectric Thin Films **2017**,		1
13	Optical properties and microstructure rietveld analysis of CeO2-doped SrTiO3 thin film **2019**,		1
12	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
11	The Optical Band Gap Based on K-M Function on Layer of LiTaO3 with Variation Treatment of Annealing Temperature **2018**,		1
10	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
9	Sugarcane Bagasse as the Source of Nanocrystalline Cellulose for Gelatin-Free Capsule Shell.. *International Journal of Biomaterials*, **2022**, 2022, 9889127	3.2	1
8	Optical properties doped RuO2 (0, 2, 4, 6%) of thin film LiNbO3. *Journal of Physics: Conference Series*, **2019**, 1282, 012058	0.3	

7	Crystalline structures properties doped RuO2 (0, 2, 4, 6%) of thin film LiNbO3. *Journal of Physics: Conference Series*, **2019**, 1282, 012059	0.3
6	Effect of Light Intensity on Magnetic Properties of SrTiO3 Thin- Films. *Key Engineering Materials*, **2020**, 855, 208-212	0.4
5	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
4	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
3	Magnetic properties of silicon dioxide from rice straw. *IOP Conference Series: Earth and Environmental Science*, **2021**, 749, 012070	0.3
2	Electrical Photoconductivity of Ta2O5 Doped Based on Ba0,5S0,5TiO3 Thin Film. *IOP Conference Series: Earth and Environmental Science*, **2018**, 187, 012077	0.3
1	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