

# Hussain Ali

## List of Publications by Year in descending order

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44  
papers

727  
citations

393982

19  
h-index

552369

26  
g-index

45  
all docs

45  
docs citations

45  
times ranked

230  
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigating some linear and nonlinear optical properties of the azo dye (1-amino-2-hydroxy) Tj ETQq1 1 0.784314 rgBT /Overlock 10 1450-1455.	2.2	52
2	Thermal properties of a new dye compound measured by thermal lens effect and Z-scan technique. Applied Physics B: Lasers and Optics, 2015, 119, 319-326.	1.1	44
3	Morphological, structural, optical, and photovoltaic cell of copolymer P3HT: ICBA and P3HT:PCBM. Optik, 2020, 204, 164153.	1.4	37
4	Nonlinear optical and thermal properties of BCP: PMMA films determined by thermal self-diffraction. Optics and Laser Technology, 2013, 54, 72-78.	2.2	36
5	Nonlinear optical responses and limiting behavior of sulfadiazine-chromotropic acid azo dye. Optical and Quantum Electronics, 2015, 47, 1859-1867.	1.5	34
6	Structural, morphological, and Z-scan technique for a temperature-controllable chemical reaction synthesis of zinc sulfide nanoparticles. Applied Physics B: Lasers and Optics, 2019, 125, 1.	1.1	34
7	Nonlinear characterization of conducting polymer and electrical study for application as solar cells and its antibacterial activity. Optik, 2016, 127, 5301-5309.	1.4	33
8	Thermal lens and all optical switching of new organometallic compound doped polyacrylamide gel. Results in Physics, 2014, 4, 69-72.	2.0	32
9	Effect of nano particle sizes on the third-order optical non-linearities and nanostructure of copolymer P3HT:PCBM thin film for organic photovoltaics. Materials Research Bulletin, 2016, 76, 422-430.	2.7	32
10	Study on Optical Constants and Refractive Index Dispersion of Neutral red Doped Polymer Film. American Journal of Applied Sciences, 2012, 9, 250-253.	0.1	29
11	The photovoltaic efficiency of the fabrication of copolymer P3HT:PCBM on different thickness nano-anatase titania as solar cell. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 145, 598-603.	2.0	28
12	Time dependent diffraction ring patterns in bromothymol blue dye doped PMMA film under irradiation with continuous wave green laser light. Indian Journal of Physics, 2013, 87, 1153-1156.	0.9	25
13	Synthesis, surface profile, nonlinear reflective index and photophysical properties of curcumin compound. Journal of Materials Science: Materials in Electronics, 2018, 29, 10890-10903.	1.1	25
14	Laser-induced optical nonlinearities in Orange G dye: polyacrylamide gel. Canadian Journal of Physics, 2011, 89, 1219-1224.	0.4	23
15	Study of thermal lens technique and third-order nonlinear susceptibility of PMMA base containing 5- $\mu$ 2, 5- $\mu$ 2-dibromo-o-cresolsulfophthalein. Journal of Materials Science: Materials in Electronics, 2017, 28, 17288-17296.	1.1	23
16	Thermal blooming and photoluminescence characterizations of sol-gel CdO-SiO <sub>2</sub> with different nanocomposite. Journal of Materials Science: Materials in Electronics, 2016, 27, 2212-2220.	1.1	22
17	Determination of optical constants and nonlinear optical coefficients of Violet 1-doped polyvinyl alcohol thin film. Pramana - Journal of Physics, 2016, 86, 135-145.	0.9	21
18	Physical origin of observed nonlinearities in Poly (1-naphthyl methacrylate): Using a single transistor logic modulated laser beam. Chinese Physics B, 2013, 22, 114209.	0.7	20

#	ARTICLE	IF	CITATIONS
19	An all-optical switch and third-order optical nonlinearity of 3,4-pyridinediamine. Applied Physics B: Lasers and Optics, 2017, 123, 1.	1.1	20
20	Preparation and optoelectronic studies of the organic compound [2-(2,3-dimethyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 Td (phenyl) Electronics, 2019, 30, 10284-10292.	1.1	18
21	Large third order optical nonlinearity and optical limiting properties of a 3,4-diaminopyridine. Journal of Materials Science: Materials in Electronics, 2015, 26, 5958-5963.	1.1	17
22	Surface morphology and thermal figure of merit of a new compound thin film. Journal of Materials Science: Materials in Electronics, 2016, 27, 6735-6744.	1.1	14
23	Thermal diffusivity of 2,3-Pyridinediamine determination by thermal blooming. Optik, 2016, 127, 2659-2665.	1.4	13
24	Investigation of the Nonlinear Optical Response of 3- (Dimethylamino)-7-Aminophenothiazin-5-ium Chloride Dye. IOSR Journal of Applied Physics, 2012, 1, 33-37.	0.1	13
25	Photoluminescence characterizations and nonlinear optical of PM-355 nuclear track detector film by alpha-particles and laser irradiation. Physica Scripta, 2020, 95, 075709.	1.2	12
26	Synthesis, morphological and optical characterizations of the poly (O-toluidine)-LiCl networks thin film. Optics and Laser Technology, 2021, 133, 106524.	2.2	10
27	Synthesis, optical limiting behavior, thermal blooming and nonlinear studies of dye-doped polymer films. Journal of Materials Science: Materials in Electronics, 2020, 31, 13862-13873.	1.1	8
28	Diffused transmission of laser beam and image processing tools for alpha-particle track-etch dosimetry in PM-355 SSNTDs. Physica Scripta, 2015, 90, 085302.	1.2	7
29	Preparation, morphological, and mechanical characterization of titanium dioxide (TiO <sub>2</sub> )/polyvinyl alcohol (PVA) composite for gamma-rays radiation shielding. Journal of Physics: Conference Series, 2019, 1279, 012019.	0.3	7
30	Second-order hyperpolarizability and nonlinear optical properties of novel organic compound-doped poly (O-methoxyaniline) polymer film. Journal of Materials Science: Materials in Electronics, 2021, 32, 14623-14641.	1.1	6
31	Gamma irradiation impact on the morphology and thermal blooming of soda-lime glass. AIP Conference Proceedings, 2020, , .	0.3	6
32	Effect of Solar radiation induced and alpha particles on Nonlinear behavior of PM-355 film. IOP Conference Series: Materials Science and Engineering, 2020, 928, 072056.	0.3	4
33	Study the Effect of Concentration on the Evolution of Far-Field Diffraction Patterns of Bromocresol Purple and Congo Red Solution. Journal of Physics: Conference Series, 2021, 1963, 012013.	0.3	4
34	Diffraction samples: Nonlinear optical properties and morphology for (2-hydroxyphenyl) [2-(2-methoxybenzylidene-amino)-5-methyl phenyl] telluride film. AIP Conference Proceedings, 2020, , .	0.3	4
35	Synthesis and study dielectric properties of a new Schiff-base liquid crystal. AIP Conference Proceedings, 2020, , .	0.3	3
36	Measurement of the thermo-optic coefficient and Ring surface profile of sulfadiazine azo dye by using milli watts cw laser beams. IOP Conference Series: Materials Science and Engineering, 2020, 928, 072071.	0.3	3

#	ARTICLE	IF	CITATIONS
37	Journal of Physics: Conference Series, 2021, 1963, 012136.	0.3	3
38	Optical limiting studies and saturated output of continuous wave laser in Fluorescein solution. International Journal of Engineering and Applied Sciences (IJEAS), 2018, 5, .	0.1	2
39	Mathematical modelling of gain-switched RF-excited CO <sub>2</sub> waveguide laser. Chinese Physics B, 2004, 13, 501-504.	1.3	1
40	Study of Colorimetric properties of Ethidium bromide dye-doped PVP/DNA film. Journal of Physics: Conference Series, 2021, 1963, 012102.	0.3	1
41	Chemical Polymerization Method to Synthesize Polyaniline as a Novel Anode Catalyst in Microbial Fuel Cell. Polymer Science - Series B, 2021, 63, 773-780.	0.3	1
42	Dielectric constant and conductivity anisotropy measurements of Schiff base liquid crystal. Journal of Physics: Conference Series, 2021, 1999, 012044.	0.3	0
43	Gas-sensing performance enhancement in ZnS/polymer films by homogenous morphology surface. Journal of Physics: Conference Series, 2021, 1999, 012066.	0.3	0
44	Application the synchronization method of adaptive-observer. AIP Conference Proceedings, 2021, , .	0.3	0