

# Hussain Ali

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3767653/publications.pdf>

Version: 2024-02-01

44  
papers

727  
citations

394286

19  
h-index

552653

26  
g-index

45  
all docs

45  
docs citations

45  
times ranked

230  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis, morphological and optical characterizations of the poly (O-toluidine)-LiCl networks thin film. Optics and Laser Technology, 2021, 133, 106524.	2.2	10
2	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
3	Journal of Physics: Conference Series, 2021, 1963, 012136.	0.3	3
4	Study of Colorimetric properties of Ethidium bromide dye-doped PVP/DNA film. Journal of Physics: Conference Series, 2021, 1963, 012102.	0.3	1
5	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
6	Dielectric constant and conductivity anisotropy measurements of Schiff base liquid crystal. Journal of Physics: Conference Series, 2021, 1999, 012044.	0.3	0
7	Gas-sensing performance enhancement in ZnS/polymer films by homogenous morphology surface. Journal of Physics: Conference Series, 2021, 1999, 012066.	0.3	0
8	Application the synchronization method of adaptive-observer. AIP Conference Proceedings, 2021, , .	0.3	0
9	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
10	Morphological, structural, optical, and photovoltaic cell of copolymer P3HT: ICBA and P3HT:PCBM. Optik, 2020, 204, 164153.	1.4	37
11	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
12	Synthesis and study dielectric properties of a new Schiff-base liquid crystal. AIP Conference Proceedings, 2020, , .	0.3	3
13	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
14	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
15	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
16	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
17	Gamma irradiation impact on the morphology and thermal blooming of soda-lime glass. AIP Conference Proceedings, 2020, , .	0.3	6
18	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

#	ARTICLE	IF	CITATIONS
19	Preparation and optoelectronic studies of the organic compound [2-(2,3-dimethyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 747 Electronics, 2019, 30, 10284-10292.	1.1	18
20	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
21	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
22	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
23	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
24	Study of thermal lens technique and third-order nonlinear susceptibility of PMMA base containing 5 $\mu$ m <sup>2</sup> , 5 $\mu$ m <sup>2</sup> -dibromo-o-cresolsulphophthalein. Journal of Materials Science: Materials in Electronics, 2017, 28, 17288-17296.	1.1	23
25	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
26	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
27	Thermal diffusivity of 2,3-Pyridinediamine determination by thermal blooming. Optik, 2016, 127, 2659-2665.	1.4	13
28	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
29	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
30	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
31	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
32	Nonlinear optical responses and limiting behavior of sulfadiazine-chromotropic acid azo dye. Optical and Quantum Electronics, 2015, 47, 1859-1867.	1.5	34
33	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
34	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
35	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
36	Thermal lens and all optical switching of new organometallic compound doped polyacrylamide gel. Results in Physics, 2014, 4, 69-72.	2.0	32

#	ARTICLE	IF	CITATIONS
37	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
38	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
39	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
40	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
41	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
42	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
43	Laser-induced optical nonlinearities in Orange G dye: polyacrylamide gel. Canadian Journal of Physics, 2011, 89, 1219-1224.	0.4	23
44	Mathematical modelling of gain-switched RF-excited CO 2 waveguide laser. Chinese Physics B, 2004, 13, 501-504.	1.3	1