

# Hassan A Sultan

## List of Publications by Year in descending order

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32  
papers

794  
citations

430874

18  
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526287

27  
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32  
docs citations

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times ranked

97  
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermal nonlinearities for three curcuminoids measured by diffraction ring patterns and Z-scan under visible CW laser illumination. <i>Optics and Laser Technology</i> , 2018, 107, 131-141.	4.6	57
2	Investigating the nonlinear behavior of cobalt (II) phthalocyanine using visible CW laser beam. <i>Optik</i> , 2018, 157, 540-550.	2.9	48
3	Spectroscopic and thermal nonlinearity study of a Schiff base compound. <i>Optical Materials</i> , 2020, 100, 109703.	3.6	45
4	Linear, nonlinear and optical limiting properties of carbon black in epoxy resin. <i>Optik</i> , 2018, 160, 100-108.	2.9	43
5	Formation and temporal evolution of diffraction ring patterns in a newly prepared dihydropyridone. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 223, 117297.	3.9	39
6	Far-field diffraction patterns and optical limiting properties of bisdemethoxycurcumin solution under CW laser illumination. <i>Optical Materials</i> , 2018, 85, 500-509.	3.6	36
7	Synthesis, structural characterization and optical nonlinear properties of two azo- $\beta$ -diketones. <i>Journal of Molecular Structure</i> , 2021, 1235, 130196.	3.6	36
8	Synthesis, characterization and the nonlinear optical properties of newly synthesized 4-((1,3-dioxo-1-phenylbutan-2-yl)diazenyl)benzenesulfonamide. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 251, 119487.	3.9	35
9	The nonlinear optical properties of two dihydropyridones derived from curcumin. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 240, 118622.	3.9	34
10	Formation of graphene nanosheets/epoxy resin composite and study its structural, morphological and nonlinear optical properties. <i>Optical Materials</i> , 2019, 89, 460-467.	3.6	33
11	Investigating the nonlinear optical properties of poly eosin-Y phthalate solution under irradiation with low power visible CW laser light. <i>Physica B: Condensed Matter</i> , 2020, 578, 411847.	2.7	33
12	Solvents effect on the optical nonlinear properties of the sudan iv. <i>Optik</i> , 2020, 224, 165398.	2.9	32
13	Thermal-induced nonlinearities in rose, linseed, and chamomile oils using continuous wave visible laser beam. <i>Canadian Journal of Physics</i> , 2018, 96, 157-164.	1.1	31
14	The optical nonlinear properties of a new synthesized azo-nitron compound. <i>Optical Materials</i> , 2021, 113, 110815.	3.6	29
15	Synthesis and optical nonlinear properties performance of azonaphthol dye. <i>Physica Scripta</i> , 2021, 96, 025503.	2.5	29
16	Synthesis, characterization, and study of the nonlinear optical properties of two new organic compounds. <i>Synthetic Metals</i> , 2019, 257, 116158.	3.9	26
17	Linear and nonlinear optical properties of potassium dichromate in solution and solid polymer film. <i>Physica B: Condensed Matter</i> , 2021, 613, 413014.	2.7	23
18	Spectroscopic study, theoretical calculations, and optical nonlinear properties of amino acid (glycine)-4-nitro benzaldehyde-derived Schiff base. <i>Optical Materials</i> , 2021, 122, 111750.	3.6	21

#	ARTICLE	IF	CITATIONS
19	Characterizing optical and morphological properties of Eriochrome Black T doped polyvinyl alcohol film. <i>Physica Scripta</i> , 2020, 95, 095814.	2.5	20
20	Determination of the optical constants, nonlinear optical parameters and threshold limiting of methyl red-epoxy resin film. <i>Physica B: Condensed Matter</i> , 2021, 622, 413354.	2.7	19
21	Preparation, characterization, and study of the nonlinear optical properties of a new prepared nanoparticles copolymer. <i>Modern Physics Letters B</i> , 2019, 33, 1950456.	1.9	18
22	Investigating the optical nonlinear properties and limiting optical of eosin methylene blue solution using a cw laser beam. <i>Physica Scripta</i> , 2021, 96, 095503.	2.5	18
23	All optical switching and the optical nonlinear properties of 4-(benzothiazolyldiazanyl)-3-chlorophenyl 4-(nonylthio)benzoate (EB-3Cl). <i>Optik</i> , 2021, 248, 168196.	2.9	18
24	Synthesis, DFT calculations and optical nonlinear properties of two derived Schiff base compounds from ethyl-4-amino benzoate. <i>Physica Scripta</i> , 2022, 97, 025809.	2.5	18
25	Studying the surface morphology, optical and nonlinear optical properties of epoxy resin doped nickel nitrate film. <i>Optik</i> , 2020, 213, 164771.	2.9	16
26	Surface morphology and thermal figure of merit of a new compound thin film. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 6735-6744.	2.2	14
27	Nonlinear optical properties investigation of a newly synthesised Azo-( $\hat{1}^2$ )-diketone dye. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021, 418, 113429.	3.9	12
28	Synthesis, optical nonlinear properties, and all-optical switching of curcumin analogues. <i>Journal of Physical Organic Chemistry</i> , 2022, 35, .	1.9	6
29	The Effect of the Nonlinearities on Gaussian Pulses Propagation in Photonic Crystal Fiber. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 571, 012121.	0.6	2
30	Synthesis and study the optical nonlinear properties of polypyrrole and poly(vinyl acetate) copolymer. <i>Indian Journal of Physics</i> , 0, , 1.	1.8	2
31	Effect of Detuning on Synchronization of Semiconductor Lasers. <i>Journal of Physics: Conference Series</i> , 2021, 1963, 012109.	0.4	1
32	Chaotic synchronization of unidirectionally coupled multimode semiconductor laser. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	0