

Anna Zawadzka

List of Publications by Year in descending order

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83
papers

1,200
citations

394421

19
h-index

395702

33
g-index

85
all docs

85
docs citations

85
times ranked

1027
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical and structural characterization of thin films containing metallophthalocyanine chlorides. <i>Dyes and Pigments</i> , 2015, 112, 116-126.	3.7	81
2	Structural and nonlinear optical properties of as-grown and annealed metallophthalocyanine thin films. <i>Thin Solid Films</i> , 2013, 545, 429-437.	1.8	77
3	Linear and nonlinear optical properties of ZnO thin films deposited by pulsed laser deposition. <i>Journal of Luminescence</i> , 2016, 169, 483-491.	3.1	75
4	Third order nonlinear optical properties of organometal halide perovskite by means of the Z-scan technique. <i>Chemical Physics Letters</i> , 2016, 647, 7-13.	2.6	72
5	Penta(zinc porphyrin)[60]fullerenes: Strong reverse saturable absorption for optical limiting applications. <i>Applied Surface Science</i> , 2020, 533, 147468.	6.1	72
6	Transparent amorphous zinc oxide thin films for NLO applications. <i>Optical Materials</i> , 2014, 37, 327-337.	3.6	67
7	Impact of annealing process on stacking orientations and second order nonlinear optical properties of metallophthalocyanine thin films and nanostructures. <i>Dyes and Pigments</i> , 2014, 101, 212-220.	3.7	60
8	Photophysical properties of Alq3 thin films. <i>Optical Materials</i> , 2013, 36, 91-97.	3.6	53
9	Diagnostic and control of linear and nonlinear optical effects in selected self-assembled metallophthalocyanine chlorides nanostructures. <i>Dyes and Pigments</i> , 2018, 157, 151-162.	3.7	40
10	The effects of annealing process influence on optical properties and the molecular orientation of selected organometallic compounds thin films. <i>Optical Materials</i> , 2012, 34, 1686-1691.	3.6	37
11	Sol-gel synthesized ZnO for optoelectronics applications: a characterization review. <i>Materials Research Express</i> , 2017, 4, 122001.	1.6	37
12	Optical properties of MgO thin films grown by laser ablation technique. <i>Optical and Quantum Electronics</i> , 2016, 48, 1.	3.3	36
13	Selected Organometallic Compounds for Third Order Nonlinear Optical Application. <i>Nanomaterials</i> , 2019, 9, 254.	4.1	34
14	Transition metals induce control of enhanced NLO properties of functionalized organometallic complexes under laser modulations. <i>Scientific Reports</i> , 2020, 10, 15292.	3.3	30
15	Characterization and third harmonic generation calculations of undoped and doped spin-coated multilayered CuO thin films. <i>Journal of Physics and Chemistry of Solids</i> , 2019, 124, 60-66.	4.0	27
16	Temperature-dependent luminescence dynamics for ZnO thin films. <i>Optical and Quantum Electronics</i> , 2014, 46, 87-101.	3.3	25
17	Photoluminescence and nonlinear optical properties of triple stranded helicates based metallo-supramolecular architectures. <i>Dyes and Pigments</i> , 2021, 186, 109036.	3.7	24
18	Time-of-flight repeller circuit application in laser ablation experiment. <i>Surface and Coatings Technology</i> , 2009, 203, 2328-2332.	4.8	20

#	ARTICLE	IF	CITATIONS
19	Investigation of superfast deposition of metal oxide and Diamond-Like Carbon thin films by nanosecond Ytterbium (Yb+) fiber laser. <i>Optical Materials</i> , 2013, 36, 53-59.	3.6	20
20	Linear and nonlinear optical properties of Manganese bis-(8- hydroxyquinoline) thin films for optoelectronic devices: experimental and computational studies. <i>Journal of Molecular Structure</i> , 2022, 1249, 131558.	3.6	19
21	Three-photon resonances due to autoionizing states in calcium. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2002, 35, 1801-1817.	1.5	18
22	Optical and morphological properties of Curcuma longa dye for dye-sensitized solar cells. <i>Environmental Science and Pollution Research</i> , 2021, 28, 57860-57871.	5.3	18
23	Water Nanodroplet on a Hydrocarbon "Carpet" The Mechanism of Water Contact Angle Stabilization by Airborne Contaminations on Graphene, Au, and PTFE Surfaces. <i>Langmuir</i> , 2019, 35, 420-427.	3.5	17
24	Real-time multichannel scaler measurement of oscillator instabilities. <i>Review of Scientific Instruments</i> , 2000, 71, 2577-2581.	1.3	16
25	Theoretical and experimental investigation of multifunctional highly conjugated organic push-pull ligands for NLO applications. <i>Optical Materials</i> , 2018, 86, 304-310.	3.6	16
26	Optical properties of chiral single-walled carbon nanotubes thin films. <i>Optical Materials</i> , 2019, 96, 109295.	3.6	16
27	NLO properties of a triphenylguanidine salt: The importance of pseudo-symmetry. <i>Optical Materials</i> , 2018, 84, 606-613.	3.6	14
28	Optical and electronic properties of the natural Alizarin dye: Theoretical and experimental investigations for DSSCs application. <i>Optical Materials</i> , 2022, 127, 112113.	3.6	14
29	The plasma phenomena in three-photon ionization of Ca. <i>Journal Physics D: Applied Physics</i> , 2000, 33, 41-53.	2.8	13
30	Studies of aluminum oxide thin films deposited by laser ablation technique. <i>Optical Materials</i> , 2016, 56, 49-57.	3.6	13
31	Effect of Ar Gas Pressure on LSPR Property of Au Nanoparticles: Comparison of Experimental and Theoretical Studies. <i>Nanomaterials</i> , 2020, 10, 1071.	4.1	11
32	Preamble: new development on advanced materials for photonics, sensing and energy applications. <i>Optical and Quantum Electronics</i> , 2014, 46, 1-5.	3.3	10
33	Investigation of thermal properties and energy harvesting of the Pb(Mg _{1/3} Nb _{2/3}) _{1-x} Ti _x O ₃ perovskite single crystals. <i>Thermochimica Acta</i> , 2019, 672, 118-125.	2.7	10
34	Time-resolved photoluminescence and optical properties of a specific organic azo dye. <i>Optical and Quantum Electronics</i> , 2020, 52, 1.	3.3	10
35	Photoluminescence and nonlinear optical properties of Nickel bis-(8-hydroxyquinoline) thin film. <i>Materials Chemistry and Physics</i> , 2022, 284, 126031.	4.0	10
36	Experimental and computational analysis of the Linear and Nonlinear optical properties of Magnesium bis-(8-hydroxyquinoline) thin film. <i>Journal of Alloys and Compounds</i> , 2022, 921, 165947.	5.5	10

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37	Synthesis, spectroscopic characterization, X-Ray analysis, and DFT-HF calculations of 5-ethoxymethyl-8-hydroxyquinoline. <i>Optical and Quantum Electronics</i> , 2016, 48, 1.	3.3	7
38	Optical properties of Red pigment for Dye Sensitized Solar Cells. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 948, 012021.	0.6	6
39	Investigation of highly excited states of calcium by three-photon ionization. <i>European Physical Journal D</i> , 2004, 30, 15-22.	1.3	4
40	Pulsed laser deposition (PLD) of hafnium oxide thin films. , 2014, , .		4
41	Properties and applications of hybrid organic-inorganic halide perovskites thin films. , 2020, , .		4
42	Structural and optical properties of DCM thin films prepared by PVD. <i>Materials Today: Proceedings</i> , 2022, 66, 63-67.	1.8	4
43	Absorbance and photoluminescence study of pomegranate for dye-sensitized solar cells. <i>Materials Today: Proceedings</i> , 2022, , .	1.8	4
44	Pulsed laser deposition of hafnium oxide on quartz substrate. , 2013, , .		3
45	Study of ZnO thin film deposited by PVD. , 2015, , .		3
46	Multimodal vibration damping using energy transfer. <i>Optical and Quantum Electronics</i> , 2016, 48, 1.	3.3	3
47	Study of photophysical properties of Cdq2 thin film. <i>Materials Today: Proceedings</i> , 2022, 66, 202-204.	1.8	3
48	Pulsed source of metal atoms and their compounds. <i>Review of Scientific Instruments</i> , 2005, 76, 026102.	1.3	2
49	Temperature dependent photoluminescence process in ZnO thin films grown on quartz by sol-gel method. , 2009, , .		2
50	Investigations of temperature dependent photoluminescence process in MgO thin films. , 2010, , .		2
51	Photoluminescence of electrochemically etched porous silicon coated with small-molecule based thin organic films. , 2011, , .		2
52	Laser ablation and thin film deposition. , 2011, , .		2
53	Study of photoadmittance and admittance of porous silicon layers. , 2011, , .		2
54	Optical properties of metallophthalocyanine compounds thin films. , 2012, , .		2

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55	Light-induced carriers in metal/porous silicon/p-Si structures. , 2013, , .		2
56	Admittance spectroscopy for planar and across measure configuration of metal/porous silicon/Si structures. , 2014, , .		2
57	Optical properties of Al ₂ O ₃ thin film deposited by sol-gel technique. , 2015, , .		2
58	The Impact of Lighting on Electrical Properties of Metals and 8-hydroxyquinoline Complexes Thin Films. , 2018, , .		2
59	Physical Properties of Yellow Natural Moroccan Dye. , 2019, , .		2
60	Photoluminescence of ZnO thin films on Si substrate. , 2010, , .		1
61	Photoluminescence of MgO thin films on Si (111) substrate, prepared by sol-gel method. , 2011, , .		1
62	Photophysical properties of thin films containing metal and 8-hydroxyquinoline complexes. , 2015, , .		1
63	Selected methods of thin films deposition and their applications. , 2016, , .		1
64	Single-Walled Carbon Nanotubes: Structural and optical properties. , 2016, , .		1
65	Nonlinear optical properties of some selected highly conjugated molecules based on TTF for optoelectronics applications. , 2017, , .		1
66	Photophysical Properties of Metal Halide Perovskite Thin Films. , 2019, , .		1
67	Photoluminescence properties of Reactive Red 141 for organic light-emitting diode (OLED). , 2022, , .		1
68	The optical properties of hafnium oxide prepared by the pulsed laser deposition. , 2009, , .		0
69	Admittance spectroscopy and SPICE simulations for small-molecule based thin organic films. , 2009, , .		0
70	Structural and optical properties of as-grown and annealed Al ₂ O ₃ thin films. , 2013, , .		0
71	Optical properties of MgO thin films on quartz substrate prepared by sol-gel method. , 2013, , .		0
72	Photoluminescence spectra of porous silicon modified by copper phthalocyanine coating. , 2013, , .		0

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73	Study of small-molecule thin organic films deposited on porous silicon substrates. , 2014, , .		0
74	NLO investigations of self-assembled organometallic thin films. , 2014, , .		0
75	Review of selected algorithms in the method energy evening algorithm in wireless sensor network. , 2014, , .		0
76	Effect of UV irradiation on nonlinear optical response of azo-based iminopyridine rhenium complexes. , 2017, , .		0
77	Physical Vapor Deposition technique and its application to thin organometallic films. , 2017, , .		0
78	Diagnostic on nonlinear optical response of neodymium (III) oxide thin films. , 2017, , .		0
79	Nonlinear Optical Properties of Oxide Thin Films. , 2018, , .		0
80	Preliminary Study of Adhesive Properties of Surface Adsorbed Human Serum Albumin and Transforming Growth Factor- β 2 Evaluated with AFM Force Spectroscopy. , 2019, , .		0
81	Fast and Small Electronics Adapted to a Various Quantum Experiments. , 2019, , .		0
82	Influence of Polymer Matrix on Nonlinear Optical Response in Octaethylporphine Palladium Derivative Thin Films. , 2019, , .		0
83	Temperature Dependent Conductivity of Thin Films Perovskite Obtained by PVD Method. , 2019, , .		0