

Lukasz Skowronski

List of Publications by Year in descending order

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70
papers

1,044
citations

394421

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477307

29
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docs citations

70
times ranked

1078
citing authors

#	ARTICLE	IF	CITATIONS
1	Design of thin DLC/TiO ₂ film interference coatings on glass screen protector using a neon-argon-based gas injection magnetron sputtering technique. <i>Diamond and Related Materials</i> , 2022, 123, 108859.	3.9	4
2	Vibrational spectroscopy studies of methacrylic polymers containing heterocyclic azo dyes. <i>Vibrational Spectroscopy</i> , 2022, 120, 103377.	2.2	2
3	Synthesis of Copper Nitride Layers by the Pulsed Magnetron Sputtering Method Carried out under Various Operating Conditions. <i>Materials</i> , 2021, 14, 2694.	2.9	11
4	Microstructure and Optical Properties of Nanostructural Thin Films Fabricated through Oxidation of Au-Sn Intermetallic Compounds. <i>Materials</i> , 2021, 14, 4034.	2.9	7
5	Distance Effects of Phenylpiperazine-Containing Methacrylic Polymers on Optical and Structural Properties. <i>Journal of Physical Chemistry B</i> , 2021, 125, 10629-10638.	2.6	3
6	The influence of thermal stability on the properties of Cu ₃ N layers synthesized by pulsed magnetron sputtering method. <i>Thin Solid Films</i> , 2021, 735, 138889.	1.8	6
7	The enhanced light diffuse reflection of laser marking Al substrate for the back reflector purpose. <i>Optics and Laser Technology</i> , 2021, 144, 107371.	4.6	2
8	Copper Nitride Nanowire Arrays—Comparison of Synthetic Approaches. <i>Materials</i> , 2021, 14, 603.	2.9	7
9	The Influence of Annealing on the Optical Properties and Microstructure Recrystallization of the TiO ₂ Layers Produced by Means of the E-BEAM Technique. <i>Materials</i> , 2021, 14, 5863.	2.9	2
10	Influence of the Microstructure and Optical Constants on Plasmonic Properties of Copper Nanolayers. <i>Materials</i> , 2021, 14, 7292.	2.9	0
11	In-situ monitoring of electropolymerization processes at boron-doped diamond electrodes by Mach-Zehnder interferometer. <i>Sensors and Actuators B: Chemical</i> , 2020, 304, 127315.	7.8	4
12	Influence of generation control of the magnetron plasma on structure and properties of copper nitride layers. <i>Thin Solid Films</i> , 2020, 694, 137731.	1.8	12
13	TiO ₂ - based decorative interference coatings produced at industrial conditions. <i>Thin Solid Films</i> , 2020, 711, 138294.	1.8	7
14	The effect of the deposition rate on morphology, opto-electronic properties and formation intermetallic compounds of Au-Sn alloys. <i>Journal of Alloys and Compounds</i> , 2020, 849, 156041.	5.5	7
15	Optical and Microstructural Characterization of Thin Layers. <i>Crystals</i> , 2020, 10, 749.	2.2	0
16	Physico-Chemical and Light-Induced Properties of Quinoline Azo-dyes Polymers. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5755.	4.1	20
17	Microstructure and Optical Properties of E-Beam Evaporated Zinc Oxide Films—Effects of Decomposition and Surface Desorption. <i>Materials</i> , 2020, 13, 3510.	2.9	7
18	Structural and Micromechanical Properties of Nd:YAG Laser Marking Stainless Steel (AISI 304 and AISI) Tj ETQq0 0 0 rgBT /Overlock 10 T	2.9	12

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19	Synthesis, Optical, and Morphological Studies of ZnO Powders and Thin Films Fabricated by Wet Chemical Methods. <i>Materials</i> , 2020, 13, 2559.	2.9	13
20	Influence of phosphorus ion implantation on the optical properties of CdTe bulk crystal. <i>Journal of Alloys and Compounds</i> , 2020, 844, 156002.	5.5	7
21	Optical Properties of Titanium in the Regime of the Limited Light Penetration. <i>Materials</i> , 2020, 13, 952.	2.9	3
22	Optical characterization of thin Al ₂ O ₃ layers deposited by magnetron sputtering technique at industrial conditions for applications in glazing. <i>Materials Science-Poland</i> , 2020, 38, 108-115.	1.0	0
23	The effect of thickness and optical constants of the dielectric layer on the color behaviour of the glass/Ti/TiO ₂ decorative coatings. <i>Thin Solid Films</i> , 2019, 691, 137595.	1.8	10
24	The effect of the deposition rate on microstructural and opto-electronic properties of ¹²⁵ I-Sn layers. <i>Thin Solid Films</i> , 2019, 670, 86-92.	1.8	8
25	Interaction of Te and Se interlayers with Ag or Au nanofilms in sandwich structures. <i>Beilstein Journal of Nanotechnology</i> , 2019, 10, 238-246.	2.8	4
26	Chemical and structural characterization of tungsten nitride (WN _x) thin films synthesized via Gas Injection Magnetron Sputtering technique. <i>Vacuum</i> , 2019, 165, 266-273.	3.5	28
27	Optical TiO ₂ layers deposited on polymer substrates by the Gas Injection Magnetron Sputtering technique. <i>Applied Surface Science</i> , 2019, 466, 12-18.	6.1	27
28	Methodology for determining selected characteristics of polyethylene dyeing using CIELab system. <i>Polimery</i> , 2019, 64, 690-696.	0.7	6
29	Microstructure and opto-electronic properties of Sn-rich Au-Sn diffusive solders. <i>Applied Surface Science</i> , 2018, 451, 32-39.	6.1	13
30	Evidence of germanium segregation in gold thin films. <i>Surface Science</i> , 2018, 674, 73-78.	1.9	40
31	Permittivity of Ge, Te and Se thin films in the 200–1500 nm spectral range. Predicting the segregation effects in silver. <i>Materials Science in Semiconductor Processing</i> , 2018, 81, 64-67.	4.0	48
32	Linear and nonlinear optical properties of heterocyclic azo dyes with heterocyclic azo substitution. <i>Molecular Crystals and Liquid Crystals</i> , 2018, 670, 153-159.	0.9	2
33	Synthesis and optical properties of poly[4-methacryloxy-(4-carboxy)-azobenzene]. <i>Molecular Crystals and Liquid Crystals</i> , 2018, 672, 178-185.	0.9	0
34	New highly fluorescent silver complexes and their thin films obtained by spin coating method. <i>New Journal of Chemistry</i> , 2018, 42, 18559-18568.	2.8	1
35	Functionalized polymers with strong push-pull azo chromophores in side chain for optical application. <i>Optical Materials</i> , 2018, 85, 391-398.	3.6	32
36	Growth model and structure evolution of Ag layers deposited on Ge films. <i>Beilstein Journal of Nanotechnology</i> , 2018, 9, 66-76.	2.8	17

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37	Relation between modulation frequency of electric power oscillation during pulse magnetron sputtering deposition of MoN _x thin films. Applied Surface Science, 2018, 456, 789-796.	6.1	19
38	Assessment of the effects of laser marking of surface layer of polypropylene molding. Polimery, 2018, 63, 799-806.	0.7	4
39	TiO ₂ -based decorative coatings deposited on the AISI 316L stainless steel and glass using an industrial scale magnetron. Thin Solid Films, 2017, 627, 1-8.	1.8	19
40	Optical and microstructural properties of decorative Al/Ti/TiO ₂ interference coatings. Applied Surface Science, 2017, 421, 794-801.	6.1	15
41	Optical and microstructural characterization of amorphous-like Al ₂ O ₃ , SnO ₂ and TiO ₂ thin layers deposited using a pulse gas injection magnetron sputtering technique. Thin Solid Films, 2017, 632, 112-118.	1.8	11
42	Structure of Cu-N layers synthesized by pulsed magnetron sputtering with variable frequency of plasma generation. Nuclear Instruments & Methods in Physics Research B, 2017, 409, 167-170.	1.4	8
43	Controlling the optical parameters of self-assembled silver films with wetting layers and annealing. Applied Surface Science, 2017, 421, 349-356.	6.1	78
44	Correlation between optical and thermal properties in ZnMgSe solid solutions. Materials Chemistry and Physics, 2017, 186, 541-545.	4.0	1
45	Optical characterization of heterocyclic azo dyes containing polymers thin films. Applied Surface Science, 2017, 421, 361-366.	6.1	42
46	Multi-sided metallization of textile fibres by using magnetron system with grounded cathode. Materials Science-Poland, 2017, 35, 639-646.	1.0	5
47	Optical properties of disperse dyes doped poly(methyl methacrylate). Molecular Crystals and Liquid Crystals, 2016, 639, 87-93.	0.9	23
48	Novel GIMS technique for deposition of colored Ti/TiO ₂ , coatings on industrial scale. Materials Science-Poland, 2016, 34, 137-141.	1.0	16
49	Characterization of optical and microstructural properties of semitransparent TiO ₂ /Ti/glass interference decorative coatings. Applied Surface Science, 2016, 388, 731-740.	6.1	25
50	Optical properties of diarylethylene polymers. , 2016, , .		1
51	Optically transparent boron-doped nanocrystalline diamond films for spectroelectrochemical measurements on different substrates. IOP Conference Series: Materials Science and Engineering, 2016, 104, 012024.	0.6	10
52	Semi-transparent ordered TiO ₂ nanostructures prepared by anodization of titanium thin films deposited onto the FTO substrate. Applied Surface Science, 2016, 381, 36-41.	6.1	21
53	Laser-induced oxidation of titanium substrate: Analysis of the physicochemical structure of the surface and sub-surface layers. Applied Surface Science, 2015, 325, 217-226.	6.1	60
54	Optical and electrical properties of ultrathin transparent nanocrystalline boron-doped diamond electrodes. Optical Materials, 2015, 42, 24-34.	3.6	46

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55	Optical properties of coumarins containing copolymers. <i>Optical Materials</i> , 2015, 47, 18-23.	3.6	42
56	Influence of peripheral substituents on the optical properties of heterocyclic azo dyes. <i>Optical Materials</i> , 2015, 49, 325-329.	3.6	39
57	Characterization of microstructural, mechanical and optical properties of TiO ₂ layers deposited by GIMS and PMS methods. <i>Surface and Coatings Technology</i> , 2015, 282, 16-23.	4.8	44
58	Characterisation of coloured TiO ₂ /Ti/glass systems. <i>Applied Surface Science</i> , 2014, 322, 209-214.	6.1	18
59	The potential of multivariate analysis to phase identification based on X-ray diffraction patterns. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2014, 135, 126-132.	3.5	6
60	Optical properties of laser induced oxynitride films on titanium. <i>Applied Surface Science</i> , 2014, 304, 107-114.	6.1	43
61	Optical and microstructural characterisation of Au-Sn and Cu-Sn diffusive layers. <i>Applied Surface Science</i> , 2013, 281, 30-37.	6.1	19
62	Optical spectra of Zn _{1-x} BexTe mixed crystals determined by IR-VIS-UV ellipsometry and photoluminescence measurements. <i>Thin Solid Films</i> , 2011, 519, 2795-2800.	1.8	6
63	Multimode phonon structure of Be-containing II-VI mixed crystals determined by IR spectroscopic ellipsometry. <i>Crystal Research and Technology</i> , 2010, 45, 625-633.	1.3	5
64	Spectroscopic ellipsometry study of the dielectric response of Au-In and Ag-Sn thin-film couples. <i>Applied Surface Science</i> , 2010, 256, 4839-4844.	6.1	21
65	Non-destructive characterization of In/Ag and In/Cu diffusive layers. <i>Journal of Alloys and Compounds</i> , 2009, 479, 583-588.	5.5	5
66	Structural analysis of In/Ag, In/Cu and In/Pd thin films on tungsten by ellipsometric, XRD and AES methods. <i>Applied Surface Science</i> , 2008, 254, 4401-4407.	6.1	7
67	IR-VIS-UV ellipsometry, XRD and AES investigation of In/Cu and In/Pd thin films. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2008, 5, 1141-1144.	0.8	0
68	Lattice absorption of Be-containing semiconductor alloys determined by spectroscopic ellipsometry. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2008, 205, 849-853.	1.8	5
69	Spectroscopic ellipsometry and photoluminescence investigation of Zn _{1-x-y} BexMgySe and Cd _{1-x-y} BexZnySe crystals. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2008, 205, 854-858.	1.8	6
70	Influence of methyl group in a quinoline moiety on optical and light-induced properties of side-chain azo-polymers. <i>Applied Nanoscience (Switzerland)</i> , 0, 1.	3.1	2