Damian Wojcieszak

List of Publications by Year
in descending order

98	1,308	393982	433756
papers	citations	19 h-index	31 g-index

99	99	99	1500
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	TiO2/SiO2 multilayer as an antireflective and protective coating deposited by microwave assisted magnetron sputtering. Opto-electronics Review, 2013, 21, .	2.4	89
2	Functional photocatalytically active and scratch resistant antireflective coating based on TiO 2 and SiO 2. Applied Surface Science, 2016, 380, 165-171.	3.1	82
3	Influence of Cuâ€“Ti thin film surface properties on antimicrobial activity and viability of living cells. Materials Science and Engineering C, 2015, 56, 48-56.	3.8	52
4	Comparison of the Physicochemical Properties of TiO2 Thin Films Obtained by Magnetron Sputtering with Continuous and Pulsed Gas Flow. Coatings, 2018, 8, 412.	1.2	52
5	Surface characterization of TiO2 thin films obtained by high-energy reactive magnetron sputtering. Applied Surface Science, 2008, 254, 4396-4400.	3.1	47
6	Determination of optical and mechanical properties of Nb2O5 thin films for solar cells application. Applied Surface Science, 2014, 301, 63-69.	3.1	45
7	Correlation of Photocatalysis and Photoluminescence Effect in Relation to the Surface Properties of TiO₂:Tb Thin Films. International Journal of Photoenergy, 2013, 2013, 1-9.	1.4	44
8	Characterization of HfO2 Optical Coatings Deposited by MF Magnetron Sputtering. Coatings, 2019, 9, 106.	1.2	44
9	Determination of structural, mechanical and corrosion properties of Nb2O5 and (NbyCu1â^'y)Ox thin films deposited on Ti6Al4V alloy substrates for dental implant applications. Materials Science and Engineering C, 2015, 47, 211-221.	3.8	43
10	Hardness of Nanocrystalline TiO₂ Thin Films. Journal of Nano Research, 0, 18-19, 195-200.	0.8	41
11	Influence of annealing on the structure and stoichiometry of europium-doped titanium dioxide thin films. Vacuum, 2008, 82, 1007-1012.	1.6	36
12	Influence of the surface properties on bactericidal and fungicidal activity of magnetron sputtered Tiâ€“Ag and Nbâ€“Ag thin films. Materials Science and Engineering C, 2016, 62, 86-95.	3.8	33
13	Influence of Cu, Au and Ag on structural and surface properties of bioactive coatings based on titanium. Materials Science and Engineering C, 2017, 71, 1115-1121.	3.8	33
14	Comparison of mechanical and corrosion properties of graphene monolayer on Tiâ€“Alâ€“V and nanometric Nb2O5 layer on Tiâ€“Alâ€“V alloy for dental implants applications. Thin Solid Films, 2015, 589, 356-363.	0.8	31
15	Mechanical and structural properties of titanium dioxide deposited by innovative magnetron sputtering process. Materials Science-Poland, 2015, 33, 660-668.	0.4	29
16	Analysis of amorphous tungsten oxide thin films deposited by magnetron sputtering for application in transparent electronics. Applied Surface Science, 2021, 570, 151151.	3.1	29
17	Tailoring optical and electrical properties of thin-film coatings based on mixed Hf and Ti oxides for optoelectronic application. Materials and Design, 2019, 175, 107822.	3.3	25
18	Functional Nb2O5 film and Nb2O5+ CuO, Nb2O5+ Graphene, Nb2O5+ CuO + Graphene composite films to modify the properties of Ti6Al4V titanium alloy. Thin Solid Films, 2016, 616, 64-72.	0.8	24

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19	Influence of Nd-Doping on Photocatalytic Properties of TiO₂Nanoparticles and Thin Film Coatings. International Journal of Photoenergy, 2014, 2014, 1-10.	1.4	22
20	Effect of Nd doping on structure and improvement of the properties of TiO2 thin films. Surface and Coatings Technology, 2015, 270, 57-65.	2.2	21
21	Mechanical and electrochemical properties of Nb2O5, Nb2O5:Cu and graphene layers deposited on titanium alloy (Ti6Al4V). Surface and Coatings Technology, 2015, 271, 92-99.	2.2	20
22	Modification of various properties of HfO2 thin films obtained by changing magnetron sputtering conditions. Surface and Coatings Technology, 2017, 320, 426-431.	2.2	19
23	Investigation of various properties of HfO 2 -TiO 2 thin film composites deposited by multi-magnetron sputtering system. Applied Surface Science, 2017, 421, 170-178.	3.1	18
24	Investigation of microstructure, micro-mechanical and optical properties of HfTiO 4 thin films prepared by magnetron co-sputtering. Materials Research Bulletin, 2015, 72, 116-122.	2.7	17
25	Analysis of Eu-effect on stabilization of the TiO 2 -anatase structure in high temperature and photoluminescence efficiency for the coatings as-deposited in magnetron sputtering process. Applied Surface Science, 2017, 421, 128-133.	3.1	16
26	Thermal oxidation impact on the optoelectronic and hydrogen sensing properties of p-type copper oxide thin films. Materials Research Bulletin, 2022, 147, 111646.	2.7	16
27	Structural investigations of TiO2:Tb thin films by X-ray diffraction and atomic force microscopy. Applied Surface Science, 2008, 254, 4303-4307.	3.1	15
28	Investigations of elemental composition and structure evolution in (Ti,Cu)-oxide gradient thin films prepared using (multi)magnetron co-sputtering. Surface and Coatings Technology, 2018, 334, 150-157.	2.2	15
29	Influence of thickness on transparency and sheet resistance of ITO thin films. , 2010, , .		14
30	Influence of Nd dopant amount on microstructure and photoluminescence of TiO2:Nd thin films. Optical Materials, 2015, 48, 172-178.	1.7	14
31	Comparison of structural, mechanical and corrosion properties of thin TiO 2 /graphene hybrid systems formed on Tiâ€“Alâ€“V alloys in biomedical applications. Surface and Coatings Technology, 2016, 290, 124-134.	2.2	14
32	Preparation of multicomponent thin films by magnetron co-sputtering method: The Cu-Ti case study. Vacuum, 2019, 161, 419-428.	1.6	14
33	Investigation of structural, optical and micro-mechanical properties of (NdyTi1â^'y)Ox thin films deposited by magnetron sputtering. Materials and Design, 2015, 85, 377-388.	3.3	13
34	Structural and surface properties of semitransparent and antibacterial (Cu,Ti,Nb)Ox coating. Applied Surface Science, 2016, 380, 159-164.	3.1	13
35	Influence of doping with Co, Cu, Ce and Fe on structure and photocatalytic activity of TiO₂nanoparticles. Materials Science-Poland, 2017, 35, 725-732.	0.4	13
36	P-type transparent Tiâ€“V oxides semiconductor thin film as a prospective material for transparent electronics. Thin Solid Films, 2012, 520, 3472-3476.	0.8	12

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37	Gasochromic Effect in Nanocrystalline TiO₂Thin Films Doped with Ta and Pd. Acta Physica Polonica A, 2009, 116, S-126-S-128.	0.2	12
38	Investigations of optical and surface properties of Ag single thin film coating as semitransparent heat reflective mirror. Materials Science-Poland, 2016, 34, 747-753.	0.4	11
39	Effect of the nanocrystalline structure type on the optical properties of TiO2:Nd (1at.%) thin films. Optical Materials, 2015, 42, 423-429.	1.7	10
40	Influence of plasma treatment on wettability and scratch resistance of Ag-coated polymer substrates. Materials Science-Poland, 2016, 34, 418-426.	0.4	10
41	Photocatalytic properties of transparent TiO2 coatings doped with neodymium. Polish Journal of Chemical Technology, 2012, 14, 1-7.	0.3	9
42	Influence of Material Composition on Structural and Optical Properties of HfO2-TiO2 Mixed Oxide Coatings. Coatings, 2016, 6, 13.	1.2	9
43	Investigations of reversible optical transmission in gasochromic (Tiâ€“Vâ€“Ta)Ox thin film for gas sensing applications. Sensors and Actuators B: Chemical, 2014, 201, 420-425.	4.0	8
44	Comparison of structural, mechanical and corrosion properties of TiO 2 -WO 3 mixed oxide films deposited on TiAlV surface by electron beam evaporation. Applied Surface Science, 2017, 421, 185-190.	3.1	8
45	Investigations of structure and electrical properties of TiO2/CuO thin film heterostructures. Thin Solid Films, 2019, 690, 137538.	0.8	8
46	Characterization of Transparent and Nanocrystalline TiO2:Nd Thin Films Prepared by Magnetron Sputtering. Acta Physica Polonica A, 2009, 116, S-75-S-77.	0.2	8
47	Structural and surface properties of TiO2 thin films doped with neodymium deposited by reactive magnetron sputtering. Materials Science-Poland, 2013, 31, 71-79.	0.4	7
48	Investigation of physicochemical and tribological properties of transparent oxide semiconducting thin films based on Ti-V oxides. Materials Science-Poland, 2013, 31, 434-445.	0.4	7
49	Investigation of structural, optical and electrical properties of (Ti,Nb)Ox thin films deposited by high energy reactive magnetron sputtering. Materials Science-Poland, 2014, 32, 457-464.	0.4	7
50	Influence of nanocrystalline structure and surface properties of TiO₂ thin films on the viability of L929 cells. Polish Journal of Chemical Technology, 2015, 17, 33-39.	0.3	7
51	Influence of europium on structure modification of TiO2 thin films prepared by high energy magnetron sputtering process. Surface and Coatings Technology, 2017, 320, 132-137.	2.2	7
52	Memristive properties of transparent oxide semiconducting (Ti,Cu)O_x-gradient thin film. Semiconductor Science and Technology, 2018, 33, 015002.	1.0	7
53	Influence of Material Composition on Structure, Surface Properties and Biological Activity of Nanocrystalline Coatings Based on Cu and Ti. Coatings, 2020, 10, 343.	1.2	7
54	Properties of Metallic and Oxide Thin Films Based on Ti and Co Prepared by Magnetron Sputtering from Sintered Targets with Different Co-Content. Materials, 2021, 14, 3797.	1.3	7

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55	Effect of the structure on biological and photocatalytic activity of transparent titania thin-film coatings. Materials Science-Poland, 2016, 34, 856-862.	0.4	6
56	An impact of the copper additive on photocatalytic and bactericidal properties of TiO₂ thin films. Materials Science-Poland, 2017, 35, 421-426.	0.4	6
57	The effect of post-process annealing on optical and electrical properties of mixed HfO2â€“TiO2 thin film coatings. Journal of Materials Science: Materials in Electronics, 2019, 30, 6358-6369.	1.1	6
58	Influence of the structural and surface properties on photocatalytic activity of TiO₂:Nd thin films. Polish Journal of Chemical Technology, 2015, 17, 103-111.	0.3	5
59	Comparison of structural, mechanical and corrosion properties of (Ti0.68W0.32)Ox and (Ti0.41W0.59)Ox thin films, deposited on TiAlV surface by electron beam evaporation. Surface and Coatings Technology, 2016, 307, 596-602.	2.2	5
60	Photocatalytic Coatings Based on TiOx for Application on Flexible Glass for Photovoltaic Panels. Journal of Materials Engineering and Performance, 2022, 31, 6998-7008.	1.2	5
61	XRD and AFM studies of nanocrystalline TiO<inf>2</inf> thin films prepared by modified magnetron sputtering. , 2008, , .		4
62	Gasochromic Switching of Ta and Pd-Doped Nanocrystalline TiO₂ Thin Films. Journal of Nanoscience and Nanotechnology, 2011, 11, 8744-8747.	0.9	4
63	Investigation of physicochemical properties of (Ti-V)Ox (4.3at.% of V) functional thin films and their possible application in the field of transparent electronics. Applied Surface Science, 2014, 304, 73-80.	3.1	4
64	Thermophysical properties of refractory W-50.4%Re and Mo-39.5%Re thin alloy layers deposited on silicon and silica substrates. International Journal of Refractory Metals and Hard Materials, 2020, 87, 105147.	1.7	4
65	Photocatalytic properties of nanocrystalline TiO2 thin films doped with Tb. Open Physics, 2011, 9, 354-359.	0.8	3
66	Photoluminescence and Photocatalytic Properties of Nanocrystalline TiO₂:Tb Thin Films. Journal of Nano Research, 2012, 18-19, 187-193.	0.8	3
67	Optical and electrical properties of (Ti-V)Ox thin film as n-type Transparent Oxide Semiconductor. Bulletin of the Polish Academy of Sciences: Technical Sciences, 2014, 62, 583-588.	0.8	3
68	Influence of post-process annealing temperature on structural, optical, mechanical and corrosion properties of mixed TiO2WO3 thin films. Thin Solid Films, 2020, 698, 137856.	0.8	3
69	Investigation of Optical Response of Gasochromic Thin Film Structures through Modelling of Their Transmission Spectra under Presence of Organic Vapor. Acta Physica Polonica A, 2015, 127, 1702-1705.	0.2	3
70	Influence of magnetron powering mode on various properties of TiO₂ thin films. Materials Science-Poland, 2018, 36, 748-760.	0.4	3
71	Analysis of surface properties of Ti-Cu-Ox gradient thin films using AFM and XPS investigations. Materials Science-Poland, 2018, 36, 761-768.	0.4	3
72	Characterization of thin films based on TiO<inf>2</inf> by XRD, AFM and XPS measurements. , 2008, , .		2

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73	Nanocomposites for turn insulation for inverter fed motors. , 2008, , .		2
74	Analysis of substrate type and thickness influence on wettability of Nb2O5 thin films. , 2011, , .		2
75	Evaluation of Polyesterimide Nanocomposites Using Methods of Thermal Analysis. IOP Conference Series: Materials Science and Engineering, 2016, 113, 012012.	0.3	2
76	Analysis of surface properties of semiconducting (Ti,Pd,Eu)Ox thin films. Opto-electronics Review, 2016, 24, .	2.4	2
77	New theory of acoustic signal detection in the inner ear â€“ An explanation of bifilar structure of the cochlea. Medical Hypotheses, 2020, 140, 109636.	0.8	2
78	Multifunctional Nanocrystalline Cuâ€“Ti Thin Films Enhance Survival and Induce Proliferation of Mouse Fibroblasts In Vitro. Coatings, 2021, 11, 300.	1.2	2
79	Investigation of a memory effect in a Au/(Tiâ€“Cu)Ox-gradient thin film/TiAlV structure. Beilstein Journal of Nanotechnology, 2022, 13, 265-273.	1.5	2
80	Influence of Tb-dopant on water adsorption and wettability of TiO<inf>2</inf> thin films. , 2009, , .		1
81	Investigation of gasochromic effects in TiO<inf>2</inf> thin films doped with W, Cr, Mo. , 2009, , .		1
82	Influence of Eu-doping on wettability of TiO<inf>2</inf> thin films. , 2009, , .		1
83	Hardness of nanocrystalline TiO. , 2010, , .		1
84	Influence of droplet size and surface preparation of TiO. , 2010, , .		1
85	Influence of nanocrystalline structure and composition on hardness of thin films based on TiO2. Open Physics, 2011, 9, 349-353.	0.8	1
86	Characterization and properties of multicomponent oxide thin films with gasochromic effect. , 2013, , .		1
87	Experimental verification of a new theory of acoustic signal detection in the inner ear related to noncontact detection of potential changes on the tectorial membrane. Applied Acoustics, 2022, 190, 108659.	1.7	1
88	Structural properties of transparent Tb-doped TiO<inf>2</inf> thin films. , 2007, , .		0
89	Photoelectrical properties of TOS thin films based on TiO<inf>2</inf> prepared by modified magnetron sputtering. , 2008, , .		0
90	Magnetron sputtering system with multi-targets for multilayers deposition. , 2009, , .		0

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91	Densification of TiO2structure in High Energy magnetron sputtering process by Nd-doping. Journal of Physics: Conference Series, 2009, 146, 012019.	0.3	0
92	Designing of antireflection coatings for optical lenses and solar cells. , 2010, , .		0
93	Optical and structural properties of V. , 2010, , .		0
94	Influence of neodymium dopant on TiO<inf>2</inf> structure. , 2010, , .		0
95	Thermoelectrical properties of TiO<inf>2</inf>:(Co, Pd) and TiO<inf>2</inf>:Nb thin films. , 2010, , .		0
96	Synthesis and photocatalytic activity of undoped and doped TiO2 nanopowders. , 2011, , .		0
97	Self-cleaning properties of nanocrystalline TiO2 thin films doped with terbium. , 2011, , .		0
98	Influence of terbium on structure and luminescence of nanocrystalline TiO2 thin films. Open Physics, 2013, 11, .	0.8	0