# Damian Wojcieszak

List of Publications by Year
in descending order



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|---|---|---|---|
| 98 papers | 1,308 citations | 393982 19 h-index | 433756 31 g-index |
| 99 all docs | 99 docs citations | 99 times ranked | 1500 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | 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 |
| 2 | 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 |
| 3 | 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 |
| 4 | 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 |
| 5 | Multifunctional Nanocrystalline Cuâ€“Ti Thin Films Enhance Survival and Induce Proliferation of Mouse Fibroblasts In Vitro. Coatings, 2021, 11, 300. | 1.2 | 2 |
| 6 | 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 |
| 7 | 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 |
| 8 | 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 |
| 9 | 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 |
| 10 | 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 |
| 11 | 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 |
| 12 | Investigations of structure and electrical properties of TiO2/CuO thin film heterostructures. Thin Solid Films, 2019, 690, 137538. | 0.8 | 8 |
| 13 | 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 |
| 14 | Characterization of HfO2 Optical Coatings Deposited by MF Magnetron Sputtering. Coatings, 2019, 9, 106. | 1.2 | 44 |
| 15 | 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 |
| 16 | Preparation of multicomponent thin films by magnetron co-sputtering method: The Cu-Ti case study. Vacuum, 2019, 161, 419-428. | 1.6 | 14 |
| 17 | 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 |
| 18 | Memristive properties of transparent oxide semiconducting (Ti,Cu)O<i><sub>x</sub></i>-gradient thin film. Semiconductor Science and Technology, 2018, 33, 015002. | 1.0 | 7 |

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|---|---|---|---|
| 19 | 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 |
| 20 | Influence of magnetron powering mode on various properties of TiO<sub>2</sub> thin films. Materials Science-Poland, 2018, 36, 748-760. | 0.4 | 3 |
| 21 | 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 |
| 22 | 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 |
| 23 | 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 |
| 24 | 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 |
| 25 | 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 |
| 26 | 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 |
| 27 | 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 |
| 28 | Influence of doping with Co, Cu, Ce and Fe on structure and photocatalytic activity of TiO<sub>2</sub>nanoparticles. Materials Science-Poland, 2017, 35, 725-732. | 0.4 | 13 |
| 29 | An impact of the copper additive on photocatalytic and bactericidal properties of TiO<sub>2</sub> thin films. Materials Science-Poland, 2017, 35, 421-426. | 0.4 | 6 |
| 30 | Evaluation of Polyesterimide Nanocomposites Using Methods of Thermal Analysis. IOP Conference Series: Materials Science and Engineering, 2016, 113, 012012. | 0.3 | 2 |
| 31 | Influence of Material Composition on Structural and Optical Properties of HfO2-TiO2 Mixed Oxide Coatings. Coatings, 2016, 6, 13. | 1.2 | 9 |
| 32 | 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 |
| 33 | 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 |
| 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 | 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 |
| 36 | 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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|---|---|---|---|
| 37 | Influence of plasma treatment on wettability and scratch resistance of Ag-coated polymer substrates. Materials Science-Poland, 2016, 34, 418-426. | 0.4 | 10 |
| 38 | Analysis of surface properties of semiconducting (Ti,Pd,Eu)Ox thin films. Opto-electronics Review, 2016, 24, . | 2.4 | 2 |
| 39 | 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 |
| 40 | 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 |
| 41 | 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 |
| 42 | Mechanical and structural properties of titanium dioxide deposited by innovative magnetron sputtering process. Materials Science-Poland, 2015, 33, 660-668. | 0.4 | 29 |
| 43 | Influence of nanocrystalline structure and surface properties of TiO<sub>2</sub> thin films on the viability of L929 cells. Polish Journal of Chemical Technology, 2015, 17, 33-39. | 0.3 | 7 |
| 44 | 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 |
| 45 | 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 |
| 46 | 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 |
| 47 | 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 |
| 48 | 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 |
| 49 | Influence of the structural and surface properties on photocatalytic activity of TiO<sub>2</sub>:Nd thin films. Polish Journal of Chemical Technology, 2015, 17, 103-111. | 0.3 | 5 |
| 50 | 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 |
| 51 | 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 |
| 52 | Influence of Nd dopant amount on microstructure and photoluminescence of TiO2:Nd thin films. Optical Materials, 2015, 48, 172-178. | 1.7 | 14 |
| 53 | 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 |
| 54 | 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 |

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| 55 | 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 |
| 56 | Influence of Nd-Doping on Photocatalytic Properties of TiO<sub>2</sub>Nanoparticles and Thin Film Coatings. International Journal of Photoenergy, 2014, 2014, 1-10. | 1.4 | 22 |
| 57 | 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 |
| 58 | 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 |
| 59 | Determination of optical and mechanical properties of Nb2O5 thin films for solar cells application. Applied Surface Science, 2014, 301, 63-69. | 3.1 | 45 |
| 60 | 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 |
| 61 | 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 |
| 62 | Influence of terbium on structure and luminescence of nanocrystalline TiO2 thin films. Open Physics, 2013, 11, . | 0.8 | 0 |
| 63 | 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 |
| 64 | Characterization and properties of multicomponent oxide thin films with gasochromic effect. , 2013, , . | | 1 |
| 65 | TiO2/SiO2 multilayer as an antireflective and protective coating deposited by microwave assisted magnetron sputtering. Opto-electronics Review, 2013, 21, . | 2.4 | 89 |
| 66 | Correlation of Photocatalysis and Photoluminescence Effect in Relation to the Surface Properties of TiO<sub>2</sub>:Tb Thin Films. International Journal of Photoenergy, 2013, 2013, 1-9. | 1.4 | 44 |
| 67 | Photoluminescence and Photocatalytic Properties of Nanocrystalline TiO<sub>2</sub>:Tb Thin Films. Journal of Nano Research, 2012, 18-19, 187-193. | 0.8 | 3 |
| 68 | Photocatalytic properties of transparent TiO2 coatings doped with neodymium. Polish Journal of Chemical Technology, 2012, 14, 1-7. | 0.3 | 9 |
| 69 | 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 |
| 70 | Synthesis and photocatalytic activity of undoped and doped TiO2 nanopowders. , 2011, , . | | 0 |
| 71 | Self-cleaning properties of nanocrystalline TiO2 thin films doped with terbium. , 2011, , . | | 0 |
| 72 | Analysis of substrate type and thickness influence on wettability of Nb2O5 thin films. , 2011, , . | | 2 |

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| 73 | Gasochromic Switching of Ta and Pd-Doped Nanocrystalline TiO<SUB>2</SUB> Thin Films. Journal of Nanoscience and Nanotechnology, 2011, 11, 8744-8747. | 0.9 | 4 |
| 74 | Influence of nanocrystalline structure and composition on hardness of thin films based on TiO2. Open Physics, 2011, 9, 349-353. | 0.8 | 1 |
| 75 | Photocatalytic properties of nanocrystalline TiO2 thin films doped with Tb. Open Physics, 2011, 9, 354-359. | 0.8 | 3 |
| 76 | Hardness of nanocrystalline TiO. , 2010, , . | | 1 |
| 77 | Designing of antireflection coatings for optical lenses and solar cells. , 2010, , . | | 0 |
| 78 | Influence of droplet size and surface preparation of TiO. , 2010, , . | | 1 |
| 79 | Optical and structural properties of V. , 2010, , . | | 0 |
| 80 | Influence of thickness on transparency and sheet resistance of ITO thin films. , 2010, , . | | 14 |
| 81 | Influence of neodymium dopant on TiO<inf>2</inf> structure. , 2010, , . | | 0 |
| 82 | Thermoelectrical properties of TiO<inf>2</inf>:(Co, Pd) and TiO<inf>2</inf>:Nb thin films. , 2010, , . | | 0 |
| 83 | Magnetron sputtering system with multi-targets for multilayers deposition. , 2009, , . | | 0 |
| 84 | Influence of Tb-dopant on water adsorption and wettability of TiO<inf>2</inf> thin films. , 2009, , . | | 1 |
| 85 | Investigation of gasochromic effects in TiO<inf>2</inf> thin films doped with W, Cr, Mo. , 2009, , . | | 1 |
| 86 | Influence of Eu-doping on wettability of TiO<inf>2</inf> thin films. , 2009, , . | | 1 |
| 87 | Densification of TiO2structure in High Energy magnetron sputtering process by Nd-doping. Journal of Physics: Conference Series, 2009, 146, 012019. | 0.3 | 0 |
| 88 | Gasochromic Effect in Nanocrystalline TiO<sub>2</sub>Thin Films Doped with Ta and Pd. Acta Physica Polonica A, 2009, 116, S-126-S-128. | 0.2 | 12 |
| 89 | 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 |
| 90 | Influence of annealing on the structure and stoichiometry of europium-doped titanium dioxide thin films. Vacuum, 2008, 82, 1007-1012. | 1.6 | 36 |

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| 91 | Surface characterization of TiO2 thin films obtained by high-energy reactive magnetron sputtering. Applied Surface Science, 2008, 254, 4396-4400. | 3.1 | 47 |
| 92 | 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 |
| 93 | XRD and AFM studies of nanocrystalline TiO<inf>2</inf> thin films prepared by modified magnetron sputtering. , 2008, , . | | 4 |
| 94 | Photoelectrical properties of TOS thin films based on TiO<inf>2</inf> prepared by modified magnetron sputtering. , 2008, , . | | 0 |
| 95 | Characterization of thin films based on TiO<inf>2</inf> by XRD, AFM and XPS measurements. , 2008, , . | | 2 |
| 96 | Nanocomposites for turn insulation for inverter fed motors. , 2008, , . | | 2 |
| 97 | Structural properties of transparent Tb-doped TiO<inf>2</inf> thin films. , 2007, , . | | 0 |
| 98 | Hardness of Nanocrystalline TiO<sub>2</sub> Thin Films. Journal of Nano Research, 0, 18-19, 195-200. | 0.8 | 41 |