

# Mindaugas Andrulevicius

## List of Publications by Year in descending order

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67  
papers

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471509

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h-index

552781

26  
g-index

67  
all docs

67  
docs citations

67  
times ranked

1116  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Optical, XPS and XRD Studies of Semiconducting Copper Sulfide Layers on a Polyamide Film. <i>International Journal of Photoenergy</i> , 2009, 2009, 1-8.   | 2.5 | 109       |
| 2  | Diamond Like Carbon Films Containing Si: Structure and Nonlinear Optical Properties. <i>Materials</i> , 2020, 13, 1003.  | 2.9 | 67        |
| 3  | Hydrophobic properties of the ion beam deposited DLC films containing SiO <sub>x</sub> . <i>Thin Solid Films</i> , 2007, 515, 7615-7618.   | 1.8 | 34        |
| 4  | Synthesis of the silicon and silicon oxide doped a-C:H films from hexamethyldisiloxane vapor by DC ion beam. <i>Surface and Coatings Technology</i> , 2006, 200, 6240-6244.                            | 4.8 | 33        |
| 5  | Laser-assisted selective copper deposition on commercial PA6 by catalytic electroless plating – Process and activation mechanism. <i>Applied Surface Science</i> , 2019, 470, 405-410.                 | 6.1 | 33        |
| 6  | XPS study of the ultrathin a-C:H films deposited onto ion beam nitrided AISI 316 steel. <i>Applied Surface Science</i> , 2005, 249, 295-302.   | 6.1 | 28        |
| 7  | Bias effects on structure and piezoresistive properties of DLC:Ag thin films. <i>Surface and Coatings Technology</i> , 2014, 255, 84-89.   | 4.8 | 28        |
| 8  | Nitrogen-doped twisted graphene grown on copper by atmospheric pressure CVD from a decane precursor. <i>Beilstein Journal of Nanotechnology</i> , 2017, 8, 145-158.                                    | 2.8 | 25        |
| 9  | Low-cost preparation method of well dispersed gold nanoparticles on reduced graphene oxide and electrocatalytic stability in PEM fuel cell. <i>Arabian Journal of Chemistry</i> , 2020, 13, 3585-3600. | 4.9 | 25        |
| 10 | Application of holographic sub-wavelength diffraction gratings for monitoring of kinetics of bioprocesses. <i>Applied Surface Science</i> , 2012, 258, 9292-9296.                                      | 6.1 | 22        |
| 11 | Structure of the silver containing diamond like carbon films: Study by multiwavelength Raman spectroscopy and XRD. <i>Diamond and Related Materials</i> , 2013, 40, 32-37.                             | 3.9 | 21        |
| 12 | Piezoresistive properties of amorphous carbon based nanocomposite thin films deposited by plasma assisted methods. <i>Thin Solid Films</i> , 2013, 538, 78-84.   | 1.8 | 20        |
| 13 | Synthesis of well dispersed gold nanoparticles on reduced graphene oxide and application in PEM fuel cells. <i>Applied Surface Science</i> , 2020, 504, 144511.  | 6.1 | 20        |
| 14 | Growth of Ag films on polyethylene terephthalate (PET) deposited by electron beam. <i>Thin Solid Films</i> , 2006, 495, 118-123.   | 1.8 | 19        |
| 15 | Shape-Memory Assisted Scratch-Healing of Transparent Thiol-Ene Coatings. <i>Materials</i> , 2019, 12, 482.   | 2.9 | 19        |
| 16 | Photothermal reduction of thick graphene oxide multilayer films via direct laser writing: Morphology, structural and chemical properties. <i>Superlattices and Microstructures</i> , 2018, 122, 36-45. | 3.1 | 18        |
| 17 | Facile Synthesis of Silver-Doped Zinc Oxide Nanostructures as Efficient Scaffolds for Detection of p-Nitrophenol. <i>Chemosensors</i> , 2020, 8, 108.  | 3.6 | 18        |
| 18 | XPS study of the a-C:H/Ti and a-C:H/a-Si interfaces. <i>Vacuum</i> , 2006, 80, 1007-1011.  | 3.5 | 17        |

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|----|--|-----|-----------|
| 19 | Effect of oxidation of copper nanoparticles on absorption spectra of DLC:Cu nanocomposites. <i>Diamond and Related Materials</i> , 2019, 99, 107538.   | 3.9 | 17        |
| 20 | Structure and Properties of Dual-doped PEDOT:PSS Multilayer Films. <i>Materials Research</i> , 2019, 22, .   | 1.3 | 17        |
| 21 | Residual stress in polytetrafluoroethylene-metal nanocomposite films prepared by magnetron sputtering. <i>Thin Solid Films</i> , 2010, 518, 5944-5949.   | 1.8 | 16        |
| 22 | Piezoresistive properties of diamond like carbon films containing copper. <i>Diamond and Related Materials</i> , 2015, 60, 20-25.  | 3.9 | 16        |
| 23 | Modification of Graphene Oxide/ $V_2O_5$ - $H_2O$ Nanocomposite Films via Direct Laser Irradiation. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 18877-18884.   | 8.0 | 16        |
| 24 | Growth and properties of the ion beam deposited SiOx containing DLC films. <i>Vacuum</i> , 2009, 83, S121-S123.  | 3.5 | 12        |
| 25 | Refractive index sensor based on the diamond like carbon diffraction grating. <i>Thin Solid Films</i> , 2011, 519, 4082-4086.  | 1.8 | 12        |
| 26 | Piezoresistive and electrical properties of Cr containing diamond-like carbon films. <i>Surface and Coatings Technology</i> , 2012, 211, 80-83.  | 4.8 | 12        |
| 27 | Giant Negative Piezoresistive Effect in Diamond-like Carbon and Diamond-like Carbon-Based Nickel Nanocomposite Films Deposited by Reactive Magnetron Sputtering of Ni Target. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 15778-15785. | 8.0 | 12        |
| 28 | Structural and optical properties of doped amorphous carbon films deposited by magnetron sputtering. <i>Thin Solid Films</i> , 2019, 681, 15-22.   | 1.8 | 12        |
| 29 | Structure and optical properties of diamond like carbon films containing aluminium and alumina. <i>Applied Surface Science</i> , 2020, 529, 147040.  | 6.1 | 11        |
| 30 | Efficient method to obtain Platinum-Cobalt supported on graphene oxide and electrocatalyst development. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 26226-26237.   | 7.1 | 11        |
| 31 | Growth of ITO thin films by magnetron sputtering: OES study, optical and electrical properties. <i>Vacuum</i> , 2009, 83, S118-S120.   | 3.5 | 10        |
| 32 | Highly Resistant Zero-Order Waveplates Based on All-Silica Multilayer Coatings. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2017, 214, 1700764.  | 1.8 | 10        |
| 33 | High performance catalytic system with enhanced durability in PEM fuel cell. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 10409-10422.  | 7.1 | 10        |
| 34 | A simple model of radiation swelling of silicon. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 1996, 40, 141-146.  | 3.5 | 9         |
| 35 | Ion beam energy effects on structure and properties of SiOx doped diamond-like carbon films. <i>Surface and Coatings Technology</i> , 2008, 202, 2328-2331.  | 4.8 | 9         |
| 36 | FORMATION OF PERIODICAL MICROSTRUCTURES USING INTERFERENCE LITHOGRAPHY. <i>Experimental Techniques</i> , 2008, 32, 23-28.  | 1.5 | 8         |

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|----|--|-----|-----------|
| 37 | Effects of 3D microlens transfer into fused silica substrate by CF <sub>4</sub> /O <sub>2</sub> dry etching. Applied Surface Science, 2017, 393, 287-293.  | 6.1 | 8         |
| 38 | Laser beam shape effect in optical control of the ¼-fluidic channel depth employing scatterometry. Optics and Lasers in Engineering, 2010, 48, 664-670.  | 3.8 | 7         |
| 39 | Self-Saturable Absorption and Reverse-Saturable Absorption Effects in Diamond-Like Carbon Films with Embedded Copper Nanoparticles. Coatings, 2019, 9, 100.  | 2.6 | 7         |
| 40 | Transient absorption spectroscopy as a promising optical tool for the quality evaluation of graphene layers deposited by microwave plasma. Surface and Coatings Technology, 2020, 395, 125887.       | 4.8 | 7         |
| 41 | Ultrafast relaxation dynamics of aluminum nanoparticles in solution. Physica E: Low-Dimensional Systems and Nanostructures, 2020, 117, 113795.   | 2.7 | 6         |
| 42 | Radiation resistance of nanolayered silicon nitride capacitors. Nuclear Instruments & Methods in Physics Research B, 2020, 471, 17-23.   | 1.4 | 6         |
| 43 | Direct synthesis of graphene on silicon by reactive magnetron sputtering deposition. Surface and Coatings Technology, 2022, 437, 128361.   | 4.8 | 6         |
| 44 | X-ray photoelectron spectroscopy study of MBE-grown Gd/EuTe multilayers. Journal of Alloys and Compounds, 2005, 401, 150-154.  | 5.5 | 5         |
| 45 | Methods and Applications of Optical Holography. Medziagotyra, 2011, 17, .  | 0.2 | 5         |
| 46 | Cerium doping and cerium aluminium co-doping effects on the sol-gel processing of Y <sub>3</sub> Fe <sub>5</sub> O <sub>12</sub> (YIG): Bulk and thin films. Solid State Sciences, 2020, 99, 106065. | 3.2 | 5         |
| 47 | Morphological and structural study of ultra thin Al films on polymer substrate. Superlattices and Microstructures, 2004, 36, 79-86.  | 3.1 | 4         |
| 48 | Ion beam deposition of amorphous hydrogenated carbon films on amorphous silicon interlayer: Experiment and simulation. Diamond and Related Materials, 2011, 20, 693-702.                             | 3.9 | 4         |
| 49 | The effect of UV Nd:YAG laser radiation on the optical and electrical properties of hydrothermal ZnO crystal. Optics and Laser Technology, 2016, 86, 21-25.  | 4.6 | 4         |
| 50 | Hydrogen-Free Diamond Like Carbon Films with Embedded Cu Nanoparticles: Structure, Composition and Reverse Saturable Absorption Effect. Materials, 2020, 13, 760.                                    | 2.9 | 4         |
| 51 | Effects of selenium treatment on composition and photoluminescence properties of porous silicon. Journal of Luminescence, 2007, 127, 431-434.  | 3.1 | 3         |
| 52 | Diamond like carbon films with embedded Cu nanoclusters deposited by reactive high power impulse magnetron sputtering: Pulse length effects. Thin Solid Films, 2019, 673, 1-6.                       | 1.8 | 3         |
| 53 | Superconducting critical temperature and softening of the phonon spectrum in ultrathin nb- and nbn/graphene hybrids. Superconductor Science and Technology, 0, , .                                   | 3.5 | 3         |
| 54 | Periodic structures modified with silver nanoparticles for novel plasmonic application. Proceedings of SPIE, 2008, , .   | 0.8 | 2         |

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|----|--|-----|-----------|
| 55 | Valence State of Iron and Molybdenum Cations under Conditions of Anionic Deficiency in Sr <sub>2</sub> FeMoO <sub>6</sub> . Physica Status Solidi (B): Basic Research, 2020, 257, 1900387. | 1.5 | 2         |
| 56 | Characterisation and radiolysis of modified lithium orthosilicate pebbles with noble metal impurities. Fusion Engineering and Design, 2017, 124, 934-939.                                  | 1.9 | 2         |
| 57 | Trilayer Composite System Based on SiO <sub>2</sub> , Thiol-Ene, and PEDOT:PSS. Focus on Stability after Thermal Treatment and Solar Irradiance. Polymers, 2021, 13, 3439.                 | 4.5 | 2         |
| 58 | Structural, Morphologic, and Ferroelectric Properties of PZT Films Deposited through Layer-by-Layer Reactive DC Magnetron Sputtering. Coatings, 2022, 12, 717.                             | 2.6 | 2         |
| 59 | Optical characterization of diffractive optical elements replicated in polymers. , 2005, , .   |     | 1         |
| 60 | Metallization of poly(ethylene terephthalate) in the wide range of substrate temperatures. Surface and Coatings Technology, 2006, 200, 6490-6494.  | 4.8 | 1         |
| 61 | Diffraction efficiency and noise analysis of hidden image holograms. Optik, 2017, 131, 805-812.  | 2.9 | 1         |
| 62 | N-doped carbon material modified with cobalt nanoparticles as catalyst for oxygen reduction. Chemija, 2019, 30, .  | 0.2 | 1         |
| 63 | Features of Polytetrafluoroethylene Coating Growth on Activated Surfaces from Gas Phase. Springer Proceedings in Physics, 2009, , 85-89.   | 0.2 | 1         |
| 64 | Degree of phase transformations in the conditions of polythermal synthesis of SrBaFeMoO <sub>6</sub> . Vacuum, 2020, 174, 109196.  | 3.5 | 0         |
| 65 | Advanced design of UV waveplates based on nano-structured thin films. , 2017, , .  |     | 0         |
| 66 | Cobalt-Activated Transfer-Free Synthesis of the Graphene on Si(100) by Anode Layer Ion Source. Processes, 2022, 10, 272.   | 2.8 | 0         |
| 67 | Structural and Chemical Peculiarities of Nitrogen-Doped Graphene Grown Using Direct Microwave Plasma-Enhanced Chemical Vapor Deposition. Coatings, 2022, 12, 572.                          | 2.6 | 0         |