

Carmen Ristoscu

List of Publications by Year in descending order

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141
papers

2,204
citations

236612

25
h-index

276539

41
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143
all docs

143
docs citations

143
times ranked

2587
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Strontium-substituted hydroxyapatite coatings synthesized by pulsed-laser deposition: In vitro osteoblast and osteoclast response. <i>Acta Biomaterialia</i> , 2008, 4, 1885-1893. | 4.1 | 313 |
| 2 | Pulsed laser deposition of hydroxyapatite thin films on Ti-5Al-2.5Fe substrates with and without buffer layers. <i>Applied Surface Science</i> , 2000, 168, 127-131. | 3.1 | 97 |
| 3 | Levan Nanostructured Thin Films by MAPLE Assembling. <i>Biomacromolecules</i> , 2011, 12, 2251-2256. | 2.6 | 76 |
| 4 | Biofunctional alendronate-“Hydroxyapatite thin films deposited by Matrix Assisted Pulsed Laser Evaporation. <i>Biomaterials</i> , 2009, 30, 6168-6177. | 5.7 | 68 |
| 5 | Antifungal activity of Ag:hydroxyapatite thin films synthesized by pulsed laser deposition on Ti and Ti modified by TiO ₂ nanotubes substrates. <i>Applied Surface Science</i> , 2014, 293, 37-45. | 3.1 | 65 |
| 6 | Artificial Neural Network Algorithms for 3D Printing. <i>Materials</i> , 2021, 14, 163. | 1.3 | 65 |
| 7 | Plume emissions accompanying 248 nm laser ablation of graphite in vacuum: Effects of pulse duration. <i>Journal of Applied Physics</i> , 2002, 91, 6162-6172. | 1.1 | 62 |
| 8 | The effect of laser wavelength on the ablation rate of carbon. <i>Applied Physics A: Materials Science and Processing</i> , 2014, 117, 395-400. | 1.1 | 53 |
| 9 | Structural and biological evaluation of lignin addition to simple and silver-doped hydroxyapatite thin films synthesized by matrix-assisted pulsed laser evaporation. <i>Journal of Materials Science: Materials in Medicine</i> , 2015, 26, 5333. | 1.7 | 47 |
| 10 | Structural and optical characterization of AlN films grown by pulsed laser deposition. <i>Applied Surface Science</i> , 2005, 248, 411-415. | 3.1 | 44 |
| 11 | Combinatorial MAPLE gradient thin film assemblies signalling to human osteoblasts. <i>Biofabrication</i> , 2014, 6, 035010. | 3.7 | 39 |
| 12 | Synergistic effects of BMP-2, BMP-6 or BMP-7 with human plasma fibronectin onto hydroxyapatite coatings: A comparative study. <i>Acta Biomaterialia</i> , 2017, 55, 481-492. | 4.1 | 39 |
| 13 | Calcium phosphate thin film processing by pulsed laser deposition and in situ assisted ultraviolet pulsed laser deposition. <i>Journal of Materials Science: Materials in Medicine</i> , 2002, 13, 1167-1173. | 1.7 | 36 |
| 14 | Combinatorial matrix-assisted pulsed laser evaporation: Single-step synthesis of biopolymer compositional gradient thin film assemblies. <i>Applied Physics Letters</i> , 2012, 101, . | 1.5 | 36 |
| 15 | Nanostructured ZnO coatings grown by pulsed laser deposition for optical gas sensing of butane. <i>Journal of Applied Physics</i> , 2005, 98, 074312. | 1.1 | 33 |
| 16 | Antiresorption implant coatings based on calcium alendronate and octacalcium phosphate deposited by matrix assisted pulsed laser evaporation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 136, 449-456. | 2.5 | 33 |
| 17 | Theoretical modelling of phenomena in the pulsed-laser deposition process: Application to Ti targets ablation in low-pressure N ₂ . <i>Journal of Applied Physics</i> , 1999, 86, 6096-6106. | 1.1 | 31 |
| 18 | SnO ₂ nanostructured films obtained by pulsed laser ablation deposition. <i>Applied Surface Science</i> , 2005, 247, 95-100. | 3.1 | 31 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Matrix assisted pulsed laser evaporation processing of triacetate-pullulan polysaccharide thin films for drug delivery systems. Applied Surface Science, 2006, 252, 4647-4651. | 3.1 | 31 |
| 20 | Accurate analysis of indium-zinc oxide thin films via laser-induced breakdown spectroscopy based on plasma modeling. Journal of Analytical Atomic Spectrometry, 2014, 29, 553. | 1.6 | 29 |
| 21 | Estimation of clad geometry and corresponding residual stress distribution in laser melting deposition: analytical modeling and experimental correlations. International Journal of Advanced Manufacturing Technology, 2020, 111, 77-91. | 1.5 | 29 |
| 22 | Pulsed laser deposition of barium hexaferrite (BaFe ₁₂ O ₁₉) thin films. Applied Surface Science, 2000, 154-155, 485-491. | 3.1 | 28 |
| 23 | Synthesis of biomaterial thin films by pulsed laser technologies: Electrochemical evaluation of bioactive glass-based nanocomposite coatings for biomedical applications. Materials Science and Engineering C, 2012, 32, 1152-1157. | 3.8 | 28 |
| 24 | Structural characterization of AlN films synthesized by pulsed laser deposition. Applied Surface Science, 2011, 257, 5370-5374. | 3.1 | 27 |
| 25 | Correlation between electronic structure and photocatalytic properties of non-metal doped TiO ₂ /ZrO ₂ thin films obtained by pulsed laser deposition method. Vacuum, 2015, 114, 166-171. | 1.6 | 27 |
| 26 | Mechanical properties improvement of pulsed laser-deposited hydroxyapatite thin films by high energy ion-beam implantation. Applied Surface Science, 2002, 186, 483-489. | 3.1 | 26 |
| 27 | Role of laser pulse duration and gas pressure in deposition of AlN thin films. Journal of Applied Physics, 2001, 90, 456-461. | 1.1 | 25 |
| 28 | Growth and characterization of $\text{I}^2\text{-SiC}$ films obtained by fs laser ablation. Applied Surface Science, 2006, 252, 4672-4677. | 3.1 | 25 |
| 29 | Laser thin films deposition and characterization for biomedical applications. , 2016, , 77-125. | | 25 |
| 30 | Three-Jet Powder Flow and Laser Powder Interaction in Laser Melting Deposition: Modelling Versus Experimental Correlations. Metals, 2020, 10, 1113. | 1.0 | 25 |
| 31 | Sr-ferrite thin films grown on sapphire by pulsed laser deposition. Applied Surface Science, 2000, 168, 108-113. | 3.1 | 22 |
| 32 | New bio-active, antimicrobial and adherent coatings of nanostructured carbon double-reinforced with silver and silicon by Matrix-Assisted Pulsed Laser Evaporation for medical applications. Applied Surface Science, 2018, 441, 871-883. | 3.1 | 22 |
| 33 | Advanced Biomimetic Implants Based on Nanostructured Coatings Synthesized by Pulsed Laser Technologies. Springer Series in Materials Science, 2010, , 235-260. | 0.4 | 22 |
| 34 | Stainless steel surface biofunctionalization with PMMA-bioglass coatings: compositional, electrochemical corrosion studies and microbiological assay. Journal of Materials Science: Materials in Medicine, 2015, 26, 195. | 1.7 | 21 |
| 35 | Combinatorial MAPLE deposition of antimicrobial orthopedic maps fabricated from chitosan and biomimetic apatite powders. International Journal of Pharmaceutics, 2016, 511, 505-515. | 2.6 | 21 |
| 36 | Enhanced gas sensing of Au nanocluster-doped or -coated zinc oxide thin films. Journal of Applied Physics, 2007, 102, . | 1.1 | 20 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Functionalized Antimicrobial Composite Thin Films Printing for Stainless Steel Implant Coatings. <i>Molecules</i> , 2016, 21, 740. | 1.7 | 19 |
| 38 | Laser Coatings via State-of-the-Art Additive Manufacturing: A Review. <i>Coatings</i> , 2021, 11, 296. | 1.2 | 18 |
| 39 | AlN:Cr thin films synthesized by pulsed laser deposition: Studies by X-ray diffraction and spectroscopic ellipsometry. <i>Applied Surface Science</i> , 2009, 255, 5271-5274. | 3.1 | 17 |
| 40 | Femtosecond laser modification of multilayered TiAlN/TiN coating. <i>Surface and Coatings Technology</i> , 2011, 206, 411-416. | 2.2 | 17 |
| 41 | Femtosecond pulse shaping for phase and morphology control in PLD: Synthesis of cubic SiC. <i>Applied Surface Science</i> , 2006, 252, 4857-4862. | 3.1 | 16 |
| 42 | Study of the gradual interface between hydroxyapatite thin films PLD grown onto Ti-controlled sublayers. <i>Applied Surface Science</i> , 2007, 254, 1150-1154. | 3.1 | 15 |
| 43 | Metal oxide nanoparticles synthesized by pulsed laser ablation for proton exchange membrane fuel cells. <i>Journal of Power Sources</i> , 2010, 195, 7776-7780. | 4.0 | 15 |
| 44 | Antimicrobial thin films based on ayurvedic plants extracts embedded in a bioactive glass matrix. <i>Applied Surface Science</i> , 2017, 417, 224-233. | 3.1 | 15 |
| 45 | Thin W _{1-x} B _x and W _{1-x} Ti _{1-y} B _x films deposited by combined magnetron sputtering and pulsed laser deposition technique. <i>Applied Surface Science</i> , 2019, 478, 505-513. | 3.1 | 15 |
| 46 | Functional Bioglass/Biopolymer Double Nanostructure for Natural Antimicrobial Drug Extracts Delivery. <i>Nanomaterials</i> , 2020, 10, 385. | 1.9 | 15 |
| 47 | Biomimetic Collagen/Zn ²⁺ -Substituted Calcium Phosphate Composite Coatings on Titanium Substrates as Prospective Bioactive Layer for Implants: A Comparative Study Spin Coating vs. MAPLE. <i>Nanomaterials</i> , 2019, 9, 692. | 1.9 | 14 |
| 48 | Fish Bone Derived Bi-Phasic Calcium Phosphate Coatings Fabricated by Pulsed Laser Deposition for Biomedical Applications. <i>Marine Drugs</i> , 2020, 18, 623. | 2.2 | 14 |
| 49 | Antimicrobial and Cytocompatible Bovine Hydroxyapatite-Alumina-Zeolite Composite Coatings Synthesized by Pulsed Laser Deposition from Low-Cost Sustainable Natural Resources. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 4026-4036. | 3.2 | 14 |
| 50 | Grain refinement and mechanical properties for AISI304 stainless steel single-tracks by laser melting deposition: Mathematical modelling versus experimental results. <i>Results in Physics</i> , 2021, 22, 103880. | 2.0 | 14 |
| 51 | Pulsed laser deposition of Mg thin films on Cu substrates for photocathode applications. <i>Applied Surface Science</i> , 2005, 248, 397-401. | 3.1 | 13 |
| 52 | Photoemission characteristics of PLD grown Mg films under UV laser irradiation. <i>Journal Physics D: Applied Physics</i> , 2007, 40, 5965-5970. | 1.3 | 13 |
| 53 | Tailoring immobilization of immunoglobulin by excimer laser for biosensor applications. <i>Journal of Biomedical Materials Research - Part A</i> , 2011, 96A, 384-394. | 2.1 | 12 |
| 54 | Biocompatibility and bioactivity enhancement of Ce stabilized ZrO ₂ doped HA coatings by controlled porosity change of Al ₂ O ₃ substrates. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2011, 96B, 218-224. | 1.6 | 12 |

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|----|--|-----|-----------|
| 55 | Gradient multifunctional biopolymer thin film assemblies synthesized by combinatorial MAPLE. Applied Surface Science, 2019, 466, 628-636. | 3.1 | 12 |
| 56 | Non-Fourier Estimate of Electron Temperature in Case of Femtosecond Laser Pulses Interaction with Metals. Metals, 2020, 10, 606. | 1.0 | 12 |
| 57 | Optical emission spectroscopy and time-of-flight investigations of plasmas generated from AlN targets in cases of pulsed laser deposition with sub-ps and ns ultraviolet laser pulses. Journal of Applied Physics, 2003, 93, 2244-2250. | 1.1 | 11 |
| 58 | Shallow hydroxyapatite coatings pulsed laser deposited onto Al ₂ O ₃ substrates with controlled porosity: correlation of morphological characteristics with in vitro testing results. Applied Surface Science, 2009, 255, 5312-5317. | 3.1 | 11 |
| 59 | Improvement in ultraviolet based decontamination rate using meta-materials. Applied Surface Science, 2017, 417, 40-47. | 3.1 | 11 |
| 60 | Bridging the analytical and artificial neural network models for keyhole formation with experimental verification in laser melting deposition: A novel approach. Results in Physics, 2021, 26, 104440. | 2.0 | 11 |
| 61 | Structural and optical characterization of undoped, doped, and clustered ZnO thin films obtained by PLD for gas sensing applications. Applied Surface Science, 2007, 253, 6499-6503. | 3.1 | 10 |
| 62 | Surface morphology of AlN films synthesized by pulsed laser deposition. Vacuum, 2009, 84, 155-157. | 1.6 | 10 |
| 63 | Sea Snail: An Alternative Source for Nano-Bioceramic Production. Key Engineering Materials, 0, 493-494, 781-786. | 0.4 | 10 |
| 64 | VIS/IR spectroscopy of thin AlN films grown by pulsed laser deposition at 400Â°C and 800Â°C and various N₂ pressures. Journal of Physics: Conference Series, 2014, 514, 012001. | 0.3 | 10 |
| 65 | Biopolymer Thin Films Synthesized by Advanced Pulsed Laser Techniques. , 0, , . | | 10 |
| 66 | Synergistic effect in a two-phase laser procedure for production of silver nanoparticles colloids applicable in ophthalmology. Optics and Laser Technology, 2021, 138, 106850. | 2.2 | 10 |
| 67 | Nanocrystalline Er:YAG thin films prepared by pulsed laser deposition: An electron microscopy study. Applied Surface Science, 2007, 253, 8268-8272. | 3.1 | 9 |
| 68 | Modification of AlN thin films morphology and structure by temporally shaping of fs laser pulses used for deposition. Thin Solid Films, 2011, 519, 6381-6387. | 0.8 | 9 |
| 69 | Detection of charge density wave ground state in granular thin films of blue bronze K _{0.3} MoO ₃ by femtosecond spectroscopy. Journal of Applied Physics, 2011, 110, . | 1.1 | 9 |
| 70 | Mg based photocathodes for high brightness RF photoinjectors. Applied Surface Science, 2007, 253, 6531-6534. | 3.1 | 8 |
| 71 | An Analytical Multiple-Temperature Model for Flash Laser Irradiation on Single-Layer Graphene. Nanomaterials, 2020, 10, 1319. | 1.9 | 8 |
| 72 | Spectroscopic studies of (AsSe) ₁₀₀ ~xAg _x thin films. Applied Surface Science, 2009, 255, 9691-9694. | 3.1 | 7 |

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|----|---|-----|-----------|
| 73 | Investigation of nitrogen and iron co-doped TiO ₂ films synthesized in N ₂ /CH ₄ via pulsed laser deposition technique. Applied Nanoscience (Switzerland), 2020, 10, 2569-2579. | 1.6 | 7 |
| 74 | A Perspective of Pulsed Laser Deposition (PLD) in Surface Engineering: Alumina Coatings and Substrates. Key Engineering Materials, 2008, 384, 185-212. | 0.4 | 6 |
| 75 | Surface-enhanced Raman scattering activity of niobium surface after irradiation with femtosecond laser pulses. Journal of Applied Physics, 2015, 118, . | 1.1 | 6 |
| 76 | Optical metamaterials for decontamination of translucent liquids and gases. Journal Physics D: Applied Physics, 2018, 51, 385101. | 1.3 | 6 |
| 77 | Fourier two-temperature model to describe ultrafast laser pulses interaction with metals: A novel mathematical technique. Physics Letters, Section A: General, Atomic and Solid State Physics, 2021, 392, 127155. | 0.9 | 6 |
| 78 | Biomaterial Thin Films by Soft Pulsed Laser Technologies for Biomedical Applications. Springer Series in Materials Science, 2014, , 271-294. | 0.4 | 6 |
| 79 | Implant Surfaces Containing Bioglasses and Ciprofloxacin as Platforms for Bone Repair and Improved Resistance to Microbial Colonization. Pharmaceutics, 2022, 14, 1175. | 2.0 | 6 |
| 80 | Structural comparison between La _{0.60} Y _{0.07} Ca _{0.33} MnO ₃ bulk and pulsed laser deposited thin films. Journal of Magnetism and Magnetic Materials, 2000, 211, 54-60. | 1.0 | 5 |
| 81 | Effects of pulse laser duration and ambient nitrogen pressure in PLD of AlN. Applied Physics A: Materials Science and Processing, 2004, 79, 927-929. | 1.1 | 5 |
| 82 | Femtosecond laser processing of NiPd single and 5x(Ni/Pd) multilayer thin films. Applied Surface Science, 2017, 417, 16-22. | 3.1 | 5 |
| 83 | Composite Drug Delivery System Based on Amorphous Calcium Phosphate-Chitosan: An Efficient Antimicrobial Platform for Extended Release of Tetracycline. Pharmaceutics, 2021, 13, 1659. | 2.0 | 5 |
| 84 | Trap-assisted tunneling at temperatures near 77 K in laser annealed Si n+p junctions. Journal of Applied Physics, 2001, 90, 860-865. | 1.1 | 4 |
| 85 | Particulates in pulsed laser deposition: formation mechanisms and possible approaches to their elimination. , 2002, 4762, 64. | | 4 |
| 86 | Synthesis of Nanostructured PLD AlN Films: XRD and Surface-Enhanced Raman Scattering Studies. Micro and Nanosystems, 2014, 6, 9-13. | 0.3 | 4 |
| 87 | Laser synthesis of nanometric iron oxide films for thermo-sensing applications. Materials Research Bulletin, 2014, 50, 148-154. | 2.7 | 4 |
| 88 | Combinatorial Laser Synthesis of Biomaterial Thin Films: Selection and Processing for Medical Applications. Springer Series in Materials Science, 2018, , 309-338. | 0.4 | 4 |
| 89 | Metamaterials for Antimicrobial Biofilm Applications. , 2018, , 257-282. | | 4 |
| 90 | Growth and characterization of pulsed laser-deposited Mn-Zn ferrite thin films. Vacuum, 2000, 58, 294-299. | 1.6 | 3 |

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| 91 | Laser technology for synthesis of AlN films: influence of the incident laser fluence on the films microstructure. Journal of Physics: Conference Series, 2012, 356, 012003. | 0.3 | 3 |
| 92 | Charge density waves in nanocrystalline thin films of blue bronze K _{0.3} MoO ₃ . Physica B: Condensed Matter, 2012, 407, 1889-1893. | 1.3 | 3 |
| 93 | Bioactive glass thin films synthesized by advanced pulsed laser techniques. Journal of Physics: Conference Series, 2016, 764, 012020. | 0.3 | 3 |
| 94 | Advances in Laser Additive Manufacturing of Cobalt-Chromium Alloy Multi-Layer Mesoscopic Analytical Modelling with Experimental Correlations: From Micro-Dendrite Grains to Bulk Objects. Nanomaterials, 2022, 12, 802. | 1.9 | 3 |
| 95 | Laser additive manufacturing of Co-Cr alloy and the induced defects thereof. International Journal of Advanced Manufacturing Technology, 2022, 121, 1385-1400. | 1.5 | 3 |
| 96 | Influence of the deposition configuration on the composition, structure and morphology of La _{0.6} Y _{0.07} Ca _{0.33} MnO ₃ thin films obtained by pulsed laser deposition. Solid State Sciences, 2001, 3, 1253-1256. | 0.8 | 2 |
| 97 | Synthesis of ZnO thin films by 40 ps @ 532 nm laser pulses. Applied Physics A: Materials Science and Processing, 2011, 104, 871-876. | 1.1 | 2 |
| 98 | Optical studies of (AsSe) _{100-x} Sb _x thin films. Applied Physics A: Materials Science and Processing, 2011, 104, 959-962. | 1.1 | 2 |
| 99 | Nanocrystalline thin films with charge density wave ground state. Vacuum, 2013, 98, 93-99. | 1.6 | 2 |
| 100 | Pulsed Laser-Deposited TiO ₂ -based Films: Synthesis, Electronic Structure and Photocatalytic Activity. , 0, , . | | 2 |
| 101 | Oxidation behaviour of composite CrN/(Cr,V)N coatings with different contents of vanadium induced by UV nanosecond laser pulses. Optical and Quantum Electronics, 2018, 50, 1. | 1.5 | 2 |
| 102 | Biomimetic Coatings by Pulsed Laser Deposition. Biological and Medical Physics Series, 2013, , 163-191. | 0.3 | 2 |
| 103 | Thin Films and Nanoparticles by Pulsed Laser Deposition: Wetting, Adherence, and Nanostructuring. , 2018, , 245-276. | | 2 |
| 104 | Pulsed-laser deposition of hydroxyapatite thin layer on Ti alloy collectors with and without buffer interlayers. , 1999, , . | | 1 |
| 105 | La ₂ O ₃ -doped BaTiO ₃ thin films obtained by pulsed laser deposition. Journal of Modern Optics, 2001, 48, 2185-2189. | 0.6 | 1 |
| 106 | Influence of substrate orientation on the characteristics of Sr-ferrite thin films obtained by pulsed laser deposition. , 2001, , . | | 1 |
| 107 | La ₂ O ₃ -doped BaTiO ₃ thin films obtained by pulsed laser deposition. Journal of Modern Optics, 2001, 48, 2185-2189. | 0.6 | 1 |
| 108 | AlN thin films obtained by pulsed laser deposition and reactive sputtering. , 0, , . | | 1 |

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| 109 | Diffractive optical elements for photonic gas sensors. , 2005, , . | | 1 |
| 110 | MEASUREMENTS OF QUANTUM EFFICIENCY OF MG FILMS PRODUCED BY PULSED LASER ABLATION DEPOSITION FOR APPLICATION TO BRIGHT ELECTRON SOURCES. International Journal of Modern Physics A, 2007, 22, 4051-4060. | 0.5 | 1 |
| 111 | Ellipsometric characterization of AlN films synthesized by Pulsed-Laser-Deposition. Journal of Physics: Conference Series, 2010, 253, 012032. | 0.3 | 1 |
| 112 | The Influence of the Foaming Agents on the Porosity of the PM Hydroxyapatite-Based Biocomposites Processed by Two-Step Sintering. Advanced Materials Research, 0, 1128, 178-186. | 0.3 | 1 |
| 113 | Influence of the scanning conditions on the characteristics of the nanostructures fabricated by laser ablation in liquid. Proceedings of SPIE, 2015, , . | 0.8 | 1 |
| 114 | Deposition and surface modification of thin solid structures by high-intensity pulsed laser irradiation. , 2015, , 287-313. | | 1 |
| 115 | Thermal Nonlinear Kleinâ€“Gordon Equation for Nano-/Micro-Sized Metallic Particleâ€“Attosecond Laser Pulse Interaction. Materials, 2021, 14, 857. | 1.3 | 1 |
| 116 | Ablation study with a Nd:YAG laser in enhanced free-running regime. , 2001, , . | | 1 |
| 117 | Optoelectronics effects in modernization of advanced implants using periodical optical structure. , 2018, , . | | 1 |
| 118 | Laser additive manufacturing of bulk and powder ceramic materials: mathematical modeling with experimental correlations. Rapid Prototyping Journal, 2022, 28, 1520-1529. | 1.6 | 1 |
| 119 | Heat transfer and propagation of plumes in laser reactive ablation of a Ti target in low-pressure N 2. , 1999, , . | | 0 |
| 120 | <title>Numerical description of the interactions between plasma and high-intensity UV laser pulses of nanosecond duration</title>. , 2000, 4070, 351. | | 0 |
| 121 | Theoretical and experimental parametric study of the synthesis process of TiN by reactive pulsed laser deposition. , 2001, , . | | 0 |
| 122 | Monte Carlo simulation of transit of ablated atoms through ambient gas. , 2001, 4430, 275. | | 0 |
| 123 | Influence of a TiN interlayer on the microstructure and mechanical properties of hydroxyapatite films grown by pulsed laser deposition. , 2001, 4397, 319. | | 0 |
| 124 | Aspects in HTS laser ablation thin film technology and characterization. , 2001, 4397, 309. | | 0 |
| 125 | Hydroxyapatite thin films growth by pulsed laser deposition: effects of the Ti alloys substrate passivation on the film properties by the insertion of a TiN buffer layer. , 2001, , . | | 0 |
| 126 | <title>Quasi-optical dynamical surface resistance characterization of HTS laser-ablated films</title>. , 2002, 4762, 239. | | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 127 | Pulsed laser deposition of chromium oxides for applications in spintronics. , 2003, , . | | 0 |
| 128 | <title>Role of laser pulse duration and ambient nitrogen pressure in deposition of AlN thin films</title>. , 2004, 5581, 356. | | 0 |
| 129 | <title>Optical emission accompanying pulsed laser ablation of graphite: experiment and kinetics</title>. , 2004, , . | | 0 |
| 130 | <title>Pulsed laser deposition of chromium oxides thin films: chemical stabilizations by capping and doping</title>. , 2004, , . | | 0 |
| 131 | Trap space charge limited current in pulsed laser deposited AlN:Cr films. , 2009, , . | | 0 |
| 132 | Study of the charge transport mechanism in AlN:Cr films synthesized by pulsed laser deposition. Journal of Physics: Conference Series, 2010, 223, 012037. | 0.3 | 0 |
| 133 | Study of the charge transport mechanism in pulsed laser deposited AlN:Cr films. Journal of Physics: Conference Series, 2010, 253, 012036. | 0.3 | 0 |
| 134 | Effect of Pulse Laser Duration and Shape on PLD Thin Films Morphology and Structure. , 2011, , . | | 0 |
| 135 | Study of the charge transport mechanism in pulsed laser deposited AlN:Si films. Journal of Physics: Conference Series, 2012, 356, 012038. | 0.3 | 0 |
| 136 | Characterisation of the charge transport mechanism in pulsed laser deposited AlN:Si films. , 2014, , . | | 0 |
| 137 | Effect of the preparation method on the optical properties of GeS _{1.2} — AgI films. , 2014, , . | | 0 |
| 138 | Phenomenological model of growth of TiO ₂ films for biomedicine. , 2015, , . | | 0 |
| 139 | Laser Ablation of Biomaterials. , 2016, , . | | 0 |
| 140 | Prevention, Treatment and Tiagnosis of Pathogenic Infections by Using Pulsed Light Radiation Propagating Through Metamaterials. IOP Conference Series: Materials Science and Engineering, 2018, 374, 012011. | 0.3 | 0 |
| 141 | Electrical characterization of Si doped AlN films synthesized by pulsed laser deposition. EPJ Applied Physics, 2015, 70, 10102. | 0.3 | 0 |