PERSONAL INFORMATION

Prof. Ion N. MIHAILESCU

National Institute for Lasers, Plasma and Radiation (INFLPR), 409 Atomistilor street, PO Box MG-36, Magurele, Ilfov, RO-077125, Romania
0040 21 4574491 0040 751010774

ion.mihailescu@inflpr.ro

http://lspi.inflpr.ro/People/CV_Ion_Mihailescu.html

Sex Male | Date of birth May 30, 1947 | Nationality Romanian

POSITION

Senior Scientific Researcher 1st degree, Professor

WORK EXPERIENCE

1990 - present

Senior Scientific Researcher 1st degree

National Institute for Lasers, Plasma and Radiation (INFLPR), 409 Atomistilor street, PO Box MG-36, Magurele, Ilfov, RO-077125, Romania; www.inflpr.ro

- Coordination of research activities of the "Laser - Surface - Plasma Interactions" Laboratory (LSPI), member of the Scientific Council of INFLPR; participant in the scientific committees organizing over 20 international conferences and schools in the field

Laser Department, "Laser - Surface - Plasma Interactions" Laboratory (LSPI),

1990 - present

Professor

Faculty of Physics, University of Bucharest, Romania

- Courses for PhD students

Doctoral School, Physics Department, University of Bucharest

1975 - 1989

Scientific Researcher

Institute of Physics and Technology of Radiation Devices, Central Institute of Physics, Bucharest, Romania

- Coordination of scientific activities of the "Laser Interactions with Substance" collective, scientific secretary of the international conference "Trends in Quantum Electronics" (TQE)
- Head of Laser-Surface- Plasma Interactions Laboratory

Laser Department, "Laser - Surface - Plasma Interactions" Laboratory (LSPI),

1969 - 1975

Physicist

Institute of Atomic Physics, Bucharest , Romania

- Design and construction of facilities for the generation and study of laser-produced plasmas

Laser Department, "Laser - Surface - Plasma Interactions" Laboratory (LSPI),

EDUCATION AND TRAINING

1982

PhD, Physics

Central Institute of Physics in Bucharest, Institute of Physics and Technology of Radiation Devices, Romania

- Laser physics and technology, surface physics and engineering, plasma generation and diagnostics

1969

BSc

University of Bucharest, Faculty of Physics

- Physics profile, Nuclear Physics specialization

PERSONAL SKILLS

Mother tongue(s) Romanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
French	C2	C2	C2	C2	C2

Communication skills
- I work well both in a team and alone, coordinating the activity of research teams with up to 25 members.

Organisational / managerial skills
Head of the "Laser-Surface-Plasma Interactions" Laboratory since 1975
- Project Director PN, GAR, CNCSIS, UEFISCDI, ANCSI, POC G; Romanian director for FP5 and 7, NATO-CLG, NATO SPS

Job-related skills
- Design, construction and optimization of laser installations and laser interaction installations
- Laser interactions; lasers and plasma physics; nanostructured thin films technology, nanopowders generation and characterization, surface physics and engineering, laser spectroscopy.
- Biophysics and biomedicine; nano- bio- technologies, gas- and bio- sensors, plasma and laser theory.
- Pulsed laser deposition, modification and characterization of nanostructured thin coatings; matrix assisted pulsed laser evaporation (MAPLE); laser surface studies and processing; biomaterials thin layers; tissue engineering; biomimetic metallic implants; optoelectronics and sensors.

Other skills
Doctoral thesis supervisor, doctoral thesis coordinator, dissertation and bachelor's degree, internal and international project evaluator, scientific article reviewer for ISI-listed international journals
- Passionate about languages and history, classical music

ADDITIONAL INFORMATION

- Over 100 research internships at: École Polytechnique Palaiseau, France; Institute of General Physics of the Academy of Sciences in Moscow, Russia; University of Salento in Lecce, Italy; University “La Sapienza”, Rome, Italy; Institute of Physics and Chemistry of Materials in Strasbourg, France; GREMI Laboratories, Orleans, France; National Higher School of Arts and Engineering in Strasbourg, France; Institute of Physics in Prague, Czech Republic; University of Milan, Italy; University of Szeged, Hungary; Central Institute for Physical Research in Budapest, Hungary; Institute of Physics in Belgrade, Serbia; Institute of Physics of the University of Zagreb, Croatia; Institute of Optics in Saint-Petersburg, Russia; Institute of Electronics in Sofia, Bulgaria; Institute of Solid State Physics, Sofia, Bulgaria, European Union Institute of Electronic Structure and Lasers in Heraklion, Greece; Inst. Ciencia Mat Barcelona ICMAB, Spain; Inst. Fundamental Technol. Res. Warsaw, Poland; Florida Univ. USA; Marmara University, Turkey; Tulane University, USA; Univ Bologna, Dept Chem G Ciamician, Italy; Rizzoli Orthopedic Inst. Bologna, Italy; Holon Inst. Technol. Israel; Tel Aviv University, Israel; Institute of Nuclear Sciences VINCA, Serbia; RIKEN, Japan; Institute of Applied Physics, Chisinau, Moldova; Josef Stefan Institute Slovenia; Aix Marseille Univ, CNRS, France.
- member of the Scientific Council of INFLPR; participant in the scientific committees organizing over 20 international conferences and schools in the field
- scientific secretary of the international conference "Treds in Quantum Electronics" (TQE)
- In 1998: NATO-CNR scholarship for 4 months at the Universities of Lecce and Milan, Italy.
- 2000: Visiting Professor at the Department of Applied Physics and Optics, University of Barcelona, 5 months
- December 2000 – February 2001, Visiting Professor, ENSAIS, Louis Pasteur University

1975 – „Constantin Miculescu” Award of the Romanian Academy for contributions in the field of Laser Interactions and their Applications.

1994 – „Galileo Galilei” Award of the International Commission for Optics (ICO) “for outstanding contributions to the field of Optics“

2012 - Diploma of Honor and Medal of the IFA «for contributions in the field of laser interactions with matter»

December 17, 2015: Doctor Honoris Causa of the University of Cergy-Pontoise, France

- 2019 OSA Fellow
- According to ISI Web of Knowledge, Web of Science, October 2025: 517 articles, 213 proceedings and 13 book chapters.
- Independent citations: 7396; average citations per paper 13.35; h index 41
- https://scholar.google.ro/citations?user=NcAopnsAAAAJ&hl=en
- www.brainmap.ro profile: U-1700-038F-2698
- Editorial Board Member of Nanomaterials - MDPI since 2019, https://www.mdpi.com/journal/nanomaterials/editors

ISI publications in the last 5 years

1. “Optimised Amine Density via Plasma Treatment for Covalent Immobilisation of AMPs to Promote Osteoblasts and Enhance Antimicrobial Activity”, Mohadeseh Zare, Bogdan Butoi, Corneliu Porosnicu, Ion N. Mihailescu, David Grossin, Sarah A. Kuehne, Zubair Ahmed and Artemis Stamboulis, Colloids and Surfaces B: Biointerfaces, Volume 257, January 2026, 115188, https://doi.org/10.1016/j.colsurfb.2025.115188
2. “Editorial: Additive Manufacturing: Experiments, Simulations and Data-Driven Modelling”; Muhammad Arif Mahmood, Asif Ur Rehman, Marwan Khraisheh, Methin U. Salamci, Rashid Ur Rehman, Uzair Sajjad, Carmen Ristoscu, Andrei C. Popescu, Mihai Oane, Ion N. Mihailescu; Crystals, 2024, 14(9), 763; https://doi.org/10.3390/cryst14090763
3. “Hot probe technique for thin films Seebeck coefficient measurement”; C. L. Hapenciuc, M. Oane, A. Visan, C. Ristoscu, A. Stochioiu, I. Urzica, M. Dumitru, S. Anghel, T. Borca-Tasciuc, I. N. Mihailescu; Results in Engineering, 2024, Volume 23 (September 2024), 102789; https://doi.org/10.1016/j.rineng.2024.102789
4. “Ultra-short pulses laser heating of dielectrics: a semi-classical analytical model”; Liviu Badea, Liviu Duta, Cristian N. Mihailescu, Mihai Oane, Alexandra M. I. Trefilov, Andrei Popescu, Claudiu Hapenciuc, Muhammad Arif Mahmood, Dorina Ticos, Natalia (Serban) Mihailescu, Carmen Ristoscu, Sinziana A. Anghel, Ion N. Mihailescu; Materials, 2024, 17, 5366. https://doi.org/10.3390/ma17215366
5. “Topological avenue for efficient decontamination of large volumes of fluids via UVC irradiation of packed metamaterials”; Nicolae A. Enaki, Ion Munteanu, Tatiana Paslari, Marina Turcan, Elena Starodub, Sergiu Bazgan, Diana Podoleanu, Carmen Ristoscu, Sinziana Anghel, Maria Badiceanu, Ion N. Mihailescu; Materials 2023, 16, 4559. https://doi.org/10.3390/ma16134559
6. “Thermal lattice field during ultra-short laser pulses irradiation of metal targets: a Fokker-Planck analytical model”; Sinziana Andreea Anghel, Mihai Oane, Cristian Nicolae Mihăilescu, Bogdan A. Sava, Mihail Elisa, Natalia Mihăilescu, Dorina Ticoş, Alexandra M. I. Trefilov, Carmen Georgeta Ristoscu, Ana V. Filip, Ion N. Mihăilescu; Metals 2023, 13, 1775. https://doi.org/10.3390/met13101775
7. ’’Grain-based morphological simulation via fractal theory with experimental verification and corresponding optical properties in laser melting deposition additive manufacturing: A demystified approach”; M.A. Mahmood; A.U. Rehman; K. Ishfaq; A.C. Popescu; M. Bojan; I.N. Mihailescu; Applied Mathematical Modelling Sep. 2022; 109 , pp.304-317
8. "C-doped TiO2 nanotubes with pulsed laser deposited Bi2O3 films for photovoltaic application"; A.Bjelajac; R. Petrovic; G.E Stan; G .Socol; A. Mihailescu; I.N Mihailescu; K. Veltruska; V. Matolin; Z. Siketic; G. Provatas; M. Jaksic; D. Janackovic; Ceramics International

Feb 15 2022, 48, 4, 4649-4657; doi: 10.1016/j.ceramint.2021.10.251
9. "Thin Film Fabrication by Pulsed Laser Deposition from TiO2 Targets in O-2, N-2, He, or Ar for Dye-Sensitized Solar Cells"; D.F. Albu; J. Lungu; G. Popescu-Pelin; C.N. Mihailescu; G. Socol; A. Georgescu; M. Socol; A. Banica; V. Ciupina; I.N. Mihailescu; Coatings, MAR 2022, 12, 3, 293; doi: 10.3390/coatings12030293
10. "Coatings Functionalization via Laser versus Other Deposition Techniques for Medical Applications: A Comparative Review"; M. Badiceanu; S. Anghel; N. Mihailescu; A.I. Visan; C.N. Mihailescu; I.N. Mihailescu; Coatings 2022, 12, 71. https://doi.org/10.3390/coatings12010071
11. "Laser Additive Manufacturing of Bulk Silicon Nitride Ceramic: Modeling versus Integral Transform Technique with Experimental Correlation"; C.N. Mihailescu; M.Oane; B.A. Sava ; A.C. Popescu ; M. Elisa ; M.A. Mahmood; N. Mihailescu ; A.V. Filip; S.A. Anghel ; I.N. Mihailescu ; C. Ristoscu; Crystals Aug. 2022, 12,8,1155. https://doi.org/10.3390/cryst12081155
12. "UVC radiation intensity dependence of pathogen decontamination rate: semiclassical theory and experiment"; E.Nicolae A. Enaki; T.Paslari; S. Bazgan; E. Starodub; I. Munteanu; M. Turcan; V. Eremeev, A. Profir ; I. N. Mihailescu; Eur. Phys. J. Plus Sept. 2022; 137;1047. https://doi.org/10.1140/epjp/s13360-022-03252-y
13. ‘'Laser additive manufacturing of Co-Cr alloy and the induced defects thereof''; M.A Mahmood; A.U. Rehman; I.N. Mihailescu; Jul 2022 | May 2022 (Early Access) | International Journal of Advanced Manufacturing Technology 121 (1-2) , pp.1385-1400
14. "The effect of the contact point asymmetry on the accuracy of thin films thermal conductivity measurement by scanning thermal microscopy using Wollaston probes."; C.L. Hapenciuc; I. Negut; A. Visan; T. Borca-Tasciuc; I.N. Mihailescu; J. Appl. Phys. 2022, 131, 094902; doi:10.1063/5.0069273.
15. "Advances in Laser Additive Manufacturing of Cobalt-Chromium Alloy Multi-Layer Mesoscopic Analytical Modelling with Experimental Correlations: From Micro-Dendrite Grains to Bulk Objects"; M.A. Mahmood; A.U. Rehman; C. Ristoscu; M. Demir; G. Popescu-Pelin; F. Pitir; M.U. Salamci; I.N. Mihailescu; Nanomaterials, MAR 2022; 12, 5, 802; doi: 10.3390/nano12050802
16. ‘'Implant Surfaces Containing Bioglasses and Ciprofloxacin as Platforms for Bone Repair and Improved Resistance to Microbial Colonization''; Negut, I.; Ristoscu, C.; Tozar, T.; Dinu, M.; Parau, A.C.; Grumezescu, V.; Hapenciuc, C.; Popa, M.; Stan, M.S.; Marutescu, L.; Mihailescu, I.N.; Chifiriuc, M.C.; Pharmaceutics 2022, 14, 1175. https://doi.org/10.3390/pharmaceutics14061175
17. "Laser additive manufacturing of bulk and powder ceramic materials: mathematical modeling with experimental correlations"; M.A. Mahmood; A.C. Popescu; M. Oane; C. Ristoscu; I.N Mihailescu; Rapid Prototyping Journal; Mar 2022; doi: 10.1108/RPJ-07-2021-0179
18. Rehman, AU; Mahmood, MA; Pitir, F; Salamci, MU; Popescu, AC; Mihailescu, IN; "Mesoscopic Computational Fluid Dynamics Modelling for the Laser-Melting Deposition of AISI 304 Stainless Steel Single Tracks with Experimental Correlation: A Novel Study"; METALS 11 (10) 1569 (2021).
19. Visan, AI; Ristoscu, C; Popescu-Pelin, G; Sopronyi, M; Matei, CE; Socol, G; Chifiriuc, MC; Bleotu, C; Grossin, D; Brouillet, F; Le Grill, S; Bertrand, G; Zgura, I; Cristescu, R; Mihailescu, IN; "Composite Drug Delivery System Based on Amorphous Calcium Phosphate-Chitosan: An Efficient Antimicrobial Platform for Extended Release of Tetracycline"; PHARMACEUTICS 13 (10) 1659 (2021).
20. Mahmood, MA; Popescu, AC; Oane, M; Channa, A; Mihai, S; Ristoscu, C; Mihailescu, IN; "Bridging the analytical and artificial neural network models for keyhole formation with experimental verification in laser melting deposition: A novel approach"; RESULTS IN PHYSICS 26, 104440 (2021).
21. Nikolov, AS; Stankova, NE; Karashanova, DB; Nedyalkov, NN; Pavlov, EL; Koev, KT; Najdenski, H; Kussovski, V; Avramov, LA; Ristoscu, C; Badiceanu, M; Mihailescu, IN; "Synergistic effect in a two-phase laser procedure for production of silver nanoparticles colloids applicable in ophthalmology"; OPTICS AND LASER TECHNOLOGY 138, 106850 (2021).
22. Nicarel, A; Oane, M; Mihailescu, IN; Ristoscu, C; "Fourier two-temperature model to describe ultrafast laser pulses interaction with metals: A novel mathematical technique"; PHYSICS LETTERS A 392, 127155 (2021).
23. Mahmood, MA; Banica, A; Ristoscu, C; Becherescu, N; Mihailescu, IN; "Laser Coatings via State-of-the-Art Additive Manufacturing: A Review"; COATINGS 11 (3) 296 (2021).
24. Mahmood, MA; Popescu, AC; Oane, M; Chioibasu, D; Popescu-Pelin, G; Ristoscu, C; Mihailescu, IN; "Grain refinement and mechanical properties for AISI304 stainless steel single-tracks by laser melting deposition: Mathematical modelling versus experimental results"; RESULTS IN PHYSICS 22, 103880 (2021).
25. Oane, M; Mahmood, MA; Popescu, AC; Banica, A; Ristoscu, C; Mihailescu, IN; "Thermal Nonlinear Klein-Gordon Equation for Nano-/Micro-Sized Metallic Particle-Attosecond Laser Pulse Interaction"; MATERIALS 14 (4) 857 (2021).
26. Mahmood, MA; Visan, AI; Ristoscu, C; Mihailescu, IN; "Artificial Neural Network Algorithms for 3D Printing"; MATERIALS 14 (1) 163 (2021).
27. Asif Ur Rehman, Muhammad Arif Mahmood, Fatih Pitir, Metin Uymaz Salamci, Andrei C. Popescu, Ion N. Mihailescu; 'Keyhole formation by laser drilling in laser powder bed fusion of Ti6Al4V biomedical alloy: mesoscopic computational fluid dynamics simulation versus mathematical modelling using empirical validation."; Nanomaterials 2021, 11, 3284
28. Asif Ur Rehman, Muhammad Arif Mahmood, Peyman Ansari, Metin Uymaz Salamci, Andrei C. Popescu, Ion N. Mihailescu; "Spatter Formation and Splashing Induced Defects in Laser-Based Powder Bed Fusion of AlSi10Mg Alloy: A Novel Hydrodynamics Modelling with Empirical Testing."; Metals 2021,11, 2023
29. Muhammad Arif Mahmood , Asif Ur Rehman, Fatih Pitir, Metin Uymaz Salamci, Ion N. Mihailescu; Laser Melting Deposition Additive Manufacturing of Ti6Al4V Biomedical Alloy: Mesoscopic In-Situ Flow Field Mapping via Computational Fluid Dynamics and Analytical Modelling with Empirical Testing; Materials 2021, 14, 7749
30. Muhammad Arif Mahmood , Diana Chioibasu, Sabin Mihai, Mihai Iovea, Ion N. Mihailescu, Andrei C. Popescu; Non-Destructive X-ray Characterization of a Novel Joining Method Based on Laser-Melting Deposition for AISI 304 Stainless Steel; Materials 2021, 14, 7796
31. Bjelajac, A; Petrovic, R; Vujancevic, J; Veltruska, K; Matolin, V; Siketic, Z; Provatas, G; Jaksic, M; Stan, GE; Socol, G; Mihailescu, IN; Janackovic, D; "Sn-doped TiO2 nanotubular thin film for photocatalytic degradation of methyl orange dye"; JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS 147, 109609 (2020).
32. Mahmood, MA; Han, CF; Chu, HY; Sun, CC; Wu, WH; Lin, WJ; Liu, LC; Lai, JY; Mihailescu, IN; Lin, JF; "Effects of roll pattern and reduction ratio on optical characteristics of A1008 cold-rolled steel specimens: analytical approach and experimental correlations"; INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY 111 (44415) 2001-2020 (2020).

33. Mahmood, MA; Popescu, AC; Hapenciuc, CL; Ristoscu, C; Visan, AI; Oane, M; Mihailescu, IN; "Estimation of clad geometry and corresponding residual stress distribution in laser melting deposition: analytical modeling and experimental correlations"; INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY 111 (44228) 77-91 (2020).
34. Mahmood, MA; Popescu, AC; Oane, M; Ristoscu, C; Chioibasu, D; Mihai, S; Mihailescu, IN; "Three-Jet Powder Flow and Laser-Powder Interaction in Laser Melting Deposition: Modelling Versus Experimental Correlations"; METALS 10 (9) 1113 (2020).
35. Buca, AM; Oane, M; Mihailescu, IN; Mahmood, MA; Sava, BA; Ristoscu, C; "An Analytical Multiple-Temperature Model for Flash Laser Irradiation on Single-Layer Graphene"; NANOMATERIALS 10 (7) 1319 (2020).
36. Mahmood, MA; Popescu, AC; Mihailescu, IN; "Metal Matrix Composites Synthesized by Laser-Melting Deposition: A Review"; MATERIALS 13 (11) 2593 (2020).
37. Buca, AM; Oane, M; Mahmood, MA; Mihailescu, IN; Popescu, AC; Sava, BA; Ristoscu, C; "Non-Fourier Estimate of Electron Temperature in Case of Femtosecond Laser Pulses Interaction with Metals"; METALS 10 (5) 606 (2020).
38. Popescu-Pelin, G; Ristoscu, C; Duta, L; Stan, GE; Pasuk, I; Tite, T; Stan, MS; Bleotu, C; Popa, M; Chifiriuc, MC; Oktar, FN; Nicarel, A; Mihailescu, IN; "Antimicrobial and Cytocompatible Bovine Hydroxyapatite-Alumina-Zeolite Composite Coatings Synthesized by Pulsed Laser Deposition from Low-Cost Sustainable Natural Resources"; ACS SUSTAINABLE CHEMISTRY & ENGINEERING 8 (10) 4026-4036 (2020).
39. Linnik, O; Popescu-Pelin, G; Stefan, N; Chorna, N; Smirnova, N; Mihailescu, CN; Ristoscu, C; Mihailescu, IN; "Investigation of nitrogen and iron co-doped TiO(2)films synthesized in N-2/CH(4)via pulsed laser deposition technique"; APPLIED NANOSCIENCE 10 (8) 2569-2579 (2020).
40. Negut, I; Floroian, L; Ristoscu, C; Mihailescu, CN; Rosca, JCM; Tozar, T; Badea, M; Grumezescu, V; Hapenciuc, C; Mihailescu, IN; "Functional Bioglass-Biopolymer Double Nanostructure for Natural Antimicrobial Drug Extracts Delivery"; NANOMATERIALS 10 (2) 385 (2020).
41. "Gianina Popescu-Pelin, Carmen Ristoscu, Liviu Duta, Iuliana Pasuk, George E. Stan, Miruna Silvia Stan, Marcela Popa, Mariana C. Chifiriuc, Claudiu Hapenciuc, Faik N. Oktar, Anca Nicarel, Ion N. Mihailescu; “Fish Bone Derived Bi-Phasic Calcium Phosphate Coatings Fabricated by Pulsed Laser Deposition for Biomedical Applications”; Marine Drugs, 2020, 18, 623;
42. "Bjelajac, A; Petrovic, R; Popovic, M; Rakocevic, Z; Socol, G; Mihailescu, IN; Janackovic, D; Doping of TiO2 nanotubes with nitrogen by annealing in ammonia for visible light activation: Influence of pre- and post-annealing in air; "THIN SOLID FILMS"; Volume: 692 Article Number: 137598 Published: DEC 31 2019
43. Mihailescu, IN; "NANOMATERIALS"; , -MIHAILESCU, Ion N./0000-0001-9486-0420 ().
44. Lungu, J; Socol, G; Stan, GE; Stefan, N; Luculescu, C; Georgescu, A; Popescu-Pelin, G; Prodan, G; Girtu, MA; Mihailescu, IN; “Pulsed Laser Fabrication of TiO2 Buffer Layers for Dye Sensitized Solar Cells” ; "NANOMATERIALS"; 9 (746): 1–15.
45. Neacsu, IA; Arsenie, LV; Trusca, R; Ardelean, IL; Mihailescu, N; Mihailescu, IN; Ristoscu, C; Bleotu, C; Ficai, A; Andronescu, E; Biomimetic Collagen/Zn2+-Substituted Calcium Phosphate Composite Coatings on Titanium Substrates as Prospective Bioactive Layer for Implants: A Comparative Study Spin Coating vs. MAPLE "NANOMATERIALS" Volume: 9 Issue: 5 Article Number: 692
46. “Thin WBx and WyTi1-yBx films deposited by combined magnetron sputtering and pulsed laser deposition technique”, Justyna Chrzanowska-Giżyńska, Piotr Denis, Maciej Giżyński, Łukasz Kurpaska, Ion Mihailescu, Carmen Ristoscu, Zygmunt Szymański, Tomasz Moscicki, Applied Surface Science, 478 (1 June 2019) 505-513
47. "Lilyana Kolaklieva, Vasiliy Chitanov, Anna Szekeres, Krassimira Antonova, Penka Terziyska, Zsolt Fogarassy, Peter Petrik, Ion N. Mihailescu, Liviu Duta; Pulsed Laser Deposition of Aluminum Nitride Films: Correlation between Mechanical, Optical, and
48. Structural Properties; Coatings 9 (3) 195"
49. Mihailescu, N; Haskoylu, ME; Ristoscu, C; Bostan, MS; Sopronyi, M; Eroglu, MS; Chifiriuc, MC; Mustaciosu, CC; Axente, E; Oner, ET; Mihailescu, IN; Gradient multifunctional biopolymer thin film assemblies synthesized by combinatorial MAPLE"; APPLIED SURFACE SCIENCE" Vol. 466, 1 February 2019, Pages 628-636
50. C. L. Hapenciuc, I. Negut, T. Borca-Tasciuc and I. N. Mihailescu; “A steady-state hot-wire method for thermal conductivity measurement of fluids”; International Journal of Heat and Mass Transfer, Volume: 134 Pages: 993-1002 Published: MAY 2019
51. Scarisoreanu, M ; Ilie, AG; Dutu, E ; Badoi, A ; Dumitrache, F ; Tanasa, E ; Mihailescu, CN ; Mihailescu, I ; Direct nanocrystallite size investigation in microstrained mixed phase TiO2 nanoparticles by PCA of Raman spectra; APPLIED SURFACE SCIENCE Volume: 470. Pages: 507-519

Date 13.10.2025