

# Irina Negut

## List of Publications by Year in descending order

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37  
papers

1,066  
citations

623734

14  
h-index

434195

31  
g-index

37  
all docs

37  
docs citations

37  
times ranked

1467  
citing authors

#	ARTICLE	IF	CITATIONS
1	Treatment Strategies for Infected Wounds. <i>Molecules</i> , 2018, 23, 2392.	3.8	421
2	Scaffolds for Wound Healing Applications. <i>Polymers</i> , 2020, 12, 2010.	4.5	155
3	Nanomaterials for Drug Delivery to the Central Nervous System. <i>Nanomaterials</i> , 2019, 9, 371.	4.1	96
4	Wet chemical synthesis of ZnO-CdS composites and their photocatalytic activity. <i>Materials Research Bulletin</i> , 2018, 99, 174-181.	5.2	46
5	Fabrication of antimicrobial silver-doped carbon structures by combinatorial pulsed laser deposition. <i>International Journal of Pharmaceutics</i> , 2016, 515, 592-606.	5.2	34
6	MAPLE deposition of Nigella sativa functionalized Fe <sub>3</sub> O <sub>4</sub> nanoparticles for antimicrobial coatings. <i>Applied Surface Science</i> , 2018, 455, 513-521.	6.1	24
7	Functionalized Graphene Oxide Thin Films for Anti-tumor Drug Delivery to Melanoma Cells. <i>Frontiers in Chemistry</i> , 2020, 8, 184.	3.6	22
8	Stainless steel surface biofunctionalization with PMMA-bioglass coatings: compositional, electrochemical corrosion studies and microbiological assay. <i>Journal of Materials Science: Materials in Medicine</i> , 2015, 26, 195.	3.6	21
9	Functionalized Antimicrobial Composite Thin Films Printing for Stainless Steel Implant Coatings. <i>Molecules</i> , 2016, 21, 740.	3.8	19
10	Anti-Cancer Nanopowders and MAPLE-Fabricated Thin Films Based on SPIONs Surface Modified with Paclitaxel Loaded $\beta$ -Cyclodextrin. <i>Pharmaceutics</i> , 2021, 13, 1356.	4.5	18
11	Polymeric Coatings and Antimicrobial Peptides as Efficient Systems for Treating Implantable Medical Devices Associated-Infections. <i>Polymers</i> , 2022, 14, 1611.	4.5	16
12	Antimicrobial thin films based on ayurvedic plants extracts embedded in a bioactive glass matrix. <i>Applied Surface Science</i> , 2017, 417, 224-233.	6.1	15
13	MAPLE fabricated coatings based on magnetite nanoparticles embedded into biopolymeric spheres resistant to microbial colonization. <i>Applied Surface Science</i> , 2018, 448, 230-236.	6.1	15
14	Functional Bioglass@Biopolymer Double Nanostructure for Natural Antimicrobial Drug Extracts Delivery. <i>Nanomaterials</i> , 2020, 10, 385.	4.1	15
15	Bioactive Coatings Based on Hydroxyapatite, Kanamycin, and Growth Factor for Biofilm Modulation. <i>Antibiotics</i> , 2021, 10, 160.	3.7	15
16	Antimicrobial applications of MAPLE processed coatings based on PLGA and lincomycin functionalized magnetite nanoparticles. <i>Applied Surface Science</i> , 2019, 484, 587-599.	6.1	14
17	Biofilm-Resistant Nanocoatings Based on ZnO Nanoparticles and Linalool. <i>Nanomaterials</i> , 2021, 11, 2564.	4.1	14
18	PEG-Functionalized Magnetite Nanoparticles for Modulation of Microbial Biofilms on Voice Prosthesis. <i>Antibiotics</i> , 2022, 11, 39.	3.7	14

#	ARTICLE	IF	CITATIONS
19	Printing amphotericin B on microneedles using matrix-assisted pulsed laser evaporation. International Journal of Bioprinting, 2017, 3, 147.	3.4	12
20	Nanomagnetite-embedded PLGA Spheres for Multipurpose Medical Applications. Materials, 2019, 12, 2521.	2.9	11
21	A steady-state hot-wire method for thermal conductivity measurements of fluids. International Journal of Heat and Mass Transfer, 2019, 134, 993-1002.	4.8	10
22	Bioactive Coatings Loaded with Osteogenic Protein for Metallic Implants. Polymers, 2021, 13, 4303.	4.5	9
23	Surface-enhanced Raman scattering activity of niobium surface after irradiation with femtosecond laser pulses. Journal of Applied Physics, 2015, 118, .	2.5	6
24	Successful Release of Voriconazole and Flavonoids from MAPLE Deposited Bioactive Surfaces. Applied Sciences (Switzerland), 2019, 9, 786.	2.5	6
25	Nanostructured Thin Coatings Containing Anthriscus sylvestris Extract with Dual Bioactivity. Molecules, 2020, 25, 3866.	3.8	6
26	Implant Surfaces Containing Bioglasses and Ciprofloxacin as Platforms for Bone Repair and Improved Resistance to Microbial Colonization. Pharmaceutics, 2022, 14, 1175.	4.5	6
27	Isoflavonoid-Antibiotic Thin Films Fabricated by MAPLE with Improved Resistance to Microbial Colonization. Molecules, 2021, 26, 3634.	3.8	5
28	Recent advances of graphene family nanomaterials for nanomedicine. , 2018, , 413-455.		3
29	Matrix-Assisted Pulsed laser Evaporation-deposited Rapamycin Thin Films Maintain Antiproliferative Activity. International Journal of Bioprinting, 2019, 6, 188.	3.4	3
30	Experimental Investigation on Water Adsorption Using Laser Photoacoustic Spectroscopy and Numerical Simulations. Materials, 2021, 14, 5839.	2.9	3
31	Optimized silicon reinforcement of carbon coatings by pulsed laser technique for superior functional biomedical surfaces fabrication. Biofabrication, 2017, 9, 025029.	7.1	2
32	Progress of nanoparticles research in cancer therapy and diagnosis. , 2017, , 159-176.		2
33	Microscale Drug Delivery Systems: Current Perspectives and Novel Approaches. , 2017, , 1-15.		2
34	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.	3.3	2
35	Nanocoatings and thin films. , 2019, , 463-477.		2
36	Nanoparticles and hyperthermia. , 2019, , 63-90.		2

#	ARTICLE	IF	CITATIONS
37	The effect of the contact point asymmetry on the accuracy of thin films thermal conductivity measurement by scanning thermal microscopy using Wollaston probes. Journal of Applied Physics, 2022, 131, 094902.	2.5	0