

Florin Iordache

List of Publications by Year in descending order

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Version: 2024-02-01

68
papers

1,555
citations

279798

23
h-index

345221

36
g-index

70
all docs

70
docs citations

70
times ranked

1979
citing authors

#	ARTICLE	IF	CITATIONS
1	Biocompatible and Antimicrobial Cellulose Acetate-Collagen Films Containing MWCNTs Decorated with TiO ₂ Nanoparticles for Potential Biomedical Applications. <i>Nanomaterials</i> , 2022, 12, 239.	4.1	12
2	Antioxidant, anti-inflammatory and immunomodulatory roles of vitamins in COVID-19 therapy. <i>European Journal of Medicinal Chemistry</i> , 2022, 232, 114175.	5.5	41
3	Multivariate Risk Analysis of RAS, BRAF and EGFR Mutations Allelic Frequency and Coexistence as Colorectal Cancer Predictive Biomarkers. <i>Cancers</i> , 2022, 14, 2792.	3.7	2
4	Characteristics of Wollastonite Ceramic Coatings Obtained by Pulsed Laser Deposition. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2021, 31, 1601-1607.	3.7	5
5	Oxidative stress mitigation by antioxidants - An overview on their chemistry and influences on health status. <i>European Journal of Medicinal Chemistry</i> , 2021, 209, 112891.	5.5	328
6	MAPLE Coatings Embedded with Essential Oil-Conjugated Magnetite for Anti-Biofilm Applications. <i>Materials</i> , 2021, 14, 1612.	2.9	27
7	Antioxidant Determination with the Use of Carbon-Based Electrodes. <i>Chemosensors</i> , 2021, 9, 72.	3.6	9
8	Key biomarkers within the colorectal cancer related inflammatory microenvironment. <i>Scientific Reports</i> , 2021, 11, 7940.	3.3	17
9	Isoflavonoid-Antibiotic Thin Films Fabricated by MAPLE with Improved Resistance to Microbial Colonization. <i>Molecules</i> , 2021, 26, 3634.	3.8	5
10	Synthesis and Characterization of Photoluminescent Ce(III) and Ce(IV) Substituted Hydroxyapatite Nanomaterials by Co-Precipitation Method: Cytotoxicity and Biocompatibility Evaluation. <i>Nanomaterials</i> , 2021, 11, 1911.	4.1	18
11	Nano-Hydroxyapatite vs. Xenografts: Synthesis, Characterization, and In Vitro Behavior. <i>Nanomaterials</i> , 2021, 11, 2289.	4.1	26
12	Influence of Terbium Ions and Their Concentration on the Photoluminescence Properties of Hydroxyapatite for Biomedical Applications. <i>Nanomaterials</i> , 2021, 11, 2442.	4.1	10
13	Additives Imparting Antimicrobial Properties to Acrylic Bone Cements. <i>Materials</i> , 2021, 14, 7031.	2.9	12
14	Analytical methods applied to the assay of sulfur-containing preserving agents. <i>Microchemical Journal</i> , 2020, 155, 104681.	4.5	29
15	Functionalization of eggshell membranes with CuO/ZnO based p-n junctions for visible light induced antibacterial activity against Escherichia coli. <i>Scientific Reports</i> , 2020, 10, 20960.	3.3	9
16	Development of 3D Bioactive Scaffolds through 3D Printing Using Wollastonite-Gelatin Inks. <i>Polymers</i> , 2020, 12, 2420.	4.5	12
17	Biocompatible Ag/Fe-Enhanced TiO ₂ Nanoparticles as an Effective Compound in Sunscreens. <i>Nanomaterials</i> , 2020, 10, 570.	4.1	11
18	Bacterial cellulose-assisted synthesis of glass-ceramic scaffolds with TiO ₂ crystalline domains. <i>International Journal of Applied Ceramic Technology</i> , 2020, 17, 2017-2024.	2.1	4

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19	Composite scaffolds based on calcium phosphates and barium titanate obtained through bacterial cellulose templated synthesis. <i>Materials Science and Engineering C</i> , 2020, 110, 110704.	7.3	10
20	Bioactive Surfaces of Polylactide and Silver Nanoparticles for the Prevention of Microbial Contamination. <i>Materials</i> , 2020, 13, 768.	2.9	31
21	Biomimetic Composite Scaffold Based on Naturally Derived Biomaterials. <i>Polymers</i> , 2020, 12, 1161.	4.5	29
22	Modified calcium silicophosphate cements with improved properties. <i>Materials Chemistry and Physics</i> , 2019, 238, 121965.	4.0	7
23	Suberin<i>trans</i> Cinnamaldehyde Oil Nanoparticles with Antimicrobial Activity and Anticancer Properties When Loaded with Paclitaxel. <i>ACS Applied Bio Materials</i> , 2019, 2, 3484-3497.	4.6	10
24	Senescence-induced immunophenotype, gene expression and electrophysiology changes in human amniocytes. <i>Journal of Cellular and Molecular Medicine</i> , 2019, 23, 7233-7245.	3.6	7
25	Photoluminescent Hydroxylapatite: Eu ³⁺ Doping Effect on Biological Behaviour. <i>Nanomaterials</i> , 2019, 9, 1187.	4.1	16
26	Antimicrobial Wound Dressings as Potential Materials for Skin Tissue Regeneration. <i>Materials</i> , 2019, 12, 1859.	2.9	46
27	Bioprinted scaffolds. , 2019, , 35-60.		6
28	Structure-grain size-synthesis route of silver nanoparticles: a correlation with the cytotoxic effect. <i>Romanian Journal of Morphology and Embryology</i> , 2019, 60, 617-628.	0.8	2
29	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
30	Production and Characterization of Antimicrobial Electrospun Nanofibers Containing Polyurethane, Zirconium Oxide and Zeolite. <i>BioNanoScience</i> , 2018, 8, 154-165.	3.5	9
31	Impact of <i>Pseudomonas aeruginosa</i> quorum sensing signaling molecules on adhesion and inflammatory markers in endothelial cells. <i>Beilstein Journal of Organic Chemistry</i> , 2018, 14, 2580-2588.	2.2	10
32	Cellulose acetate - essential oil nanocapsules with antimicrobial activity for biomedical applications. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 172, 471-479.	5.0	50
33	Nanoencapsulation techniques for compounds and products with antioxidant and antimicrobial activity - A critical view. <i>European Journal of Medicinal Chemistry</i> , 2018, 157, 1326-1345.	5.5	108
34	Editorial (Thematic Issue: Nanobiomaterials for Improving Stem Cell Applications in Tissue Engineering) <i>TJ ETQq0 0 0,rgBT /Overlock 10 T</i>	1.35	0
35	Antimicrobial Nanostructured Bioactive Coating Based on Fe ₃ O ₄ and Patchouli Oil for Wound Dressing. <i>Metals</i> , 2016, 6, 103.	2.3	26
36	Biocompatible 3D Matrix with Antimicrobial Properties. <i>Molecules</i> , 2016, 21, 115.	3.8	5

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37	Bioactive ZnO Coatings Deposited by MAPLE—An Appropriate Strategy to Produce Efficient Anti-Biofilm Surfaces. <i>Molecules</i> , 2016, 21, 220.	3.8	26
38	Influence of Thermal Treatment Conditions on the Properties of Dental Silicate Cements. <i>Molecules</i> , 2016, 21, 233.	3.8	8
39	Poly(lactic acid)—Lemongrass Essential Oil Nanocapsules with Antimicrobial Properties. <i>Pharmaceuticals</i> , 2016, 9, 42.	3.8	46
40	Electrophysiology, immunophenotype, and gene expression characterization of senescent and cryopreserved human amniotic fluid stem cells. <i>Journal of Physiological Sciences</i> , 2016, 66, 463-476.	2.1	14
41	Synthesis, characterization and bioevaluation of drug-collagen hybrid materials for biomedical applications. <i>International Journal of Pharmaceutics</i> , 2016, 510, 474-484.	5.2	21
42	New Collagen/HA/BT composite materials for hard tissue engineering. <i>Materials Science and Engineering C</i> , 2016, 62, 795-805.	7.3	28
43	Synthesis and characterization of new composite materials based on poly(methacrylic acid) and hydroxyapatite with applications in dentistry. <i>International Journal of Pharmaceutics</i> , 2016, 510, 516-523.	5.2	30
44	Electrochromic properties of polyaniline-coated fiber webs for tissue engineering applications. <i>International Journal of Pharmaceutics</i> , 2016, 510, 465-473.	5.2	33
45	Nanostructured Approaches for the Targeted Delivery of Antibiotics in Difficult Infections. <i>Current Organic Chemistry</i> , 2016, 21, 45-52.	1.6	3
46	Development of Scaffolds for Vascular Tissue Engineering: Biomaterial Mediated Neovascularization. <i>Current Stem Cell Research and Therapy</i> , 2016, 12, 155-164.	1.3	5
47	Nanostructured mesoporous silica: new perspectives for fighting antimicrobial resistance. <i>Journal of Nanoparticle Research</i> , 2015, 17, 1.	1.9	4
48	Fabrication and characterization of functionalized surfaces with 3-amino propyltrimethoxysilane films for anti-infective therapy applications. <i>Applied Surface Science</i> , 2015, 336, 401-406.	6.1	10
49	MAPLE fabricated magnetite@ <i>Melissa officinalis</i> and poly lactic acid: chitosan coated surfaces with anti-staphylococcal properties. <i>Journal of Sol-Gel Science and Technology</i> , 2015, 73, 612-619.	2.4	11
50	Poly(lactic-co-glycolic) acid/chitosan microsphere thin films functionalized with Cinnamomi aetheroleum and magnetite nanoparticles for preventing the microbial colonization of medical surfaces. <i>Journal of Sol-Gel Science and Technology</i> , 2015, 73, 679-686.	2.4	7
51	Gamma-cyclodextrin/usnic acid thin film fabricated by MAPLE for improving the resistance of medical surfaces to <i>Staphylococcus aureus</i> colonization. <i>Applied Surface Science</i> , 2015, 336, 407-412.	6.1	19
52	Screening of Lyme borreliosis in dogs from Romania using immunoblot assay. <i>Journal of Biotechnology</i> , 2015, 208, S98.	3.8	1
53	Carvone functionalized iron oxide nanostructures thin films prepared by MAPLE for improved resistance to microbial colonization. <i>Journal of Sol-Gel Science and Technology</i> , 2015, 73, 605-611.	2.4	12
54	Lectins in food: Friends or enemies?. <i>Journal of Biotechnology</i> , 2015, 208, S8.	3.8	0

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55	MAPLE fabrication of thin films based on kanamycin functionalized magnetite nanoparticles with anti-pathogenic properties. <i>Applied Surface Science</i> , 2015, 336, 188-195.	6.1	24
56	Prosthetic Devices with Nanostructured Surfaces for Increased Resistance to Microbial Colonization. <i>Current Pharmaceutical Biotechnology</i> , 2015, 16, 112-120.	1.6	5
57	Antimicrobial and Antiparasitic Activity of Lectins. <i>Current Pharmaceutical Biotechnology</i> , 2015, 16, 152-161.	1.6	37
58	Histone acetylation regulates the expression of HoxD9 transcription factor in endothelial progenitor cells. <i>Romanian Journal of Morphology and Embryology</i> , 2015, 56, 107-13.	0.8	3
59	Antimicrobial nanospheres thin coatings prepared by advanced pulsed laser technique. <i>Beilstein Journal of Nanotechnology</i> , 2014, 5, 872-880.	2.8	31
60	Recellularization potential assessment of Wharton's Jelly-derived endothelial progenitor cells using a human fetal vascular tissue model. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2014, 50, 937-944.	1.5	7
61	MAPLE fabricated magnetite@eugenol and (3-hydroxybutyric acid-co-3-hydroxyvaleric acid) polyvinyl alcohol microspheres coated surfaces with anti-microbial properties. <i>Applied Surface Science</i> , 2014, 306, 16-22.	6.1	51
62	MAPLE Fabricated Fe ₃ O ₄ @Cinnamomum verum Antimicrobial Surfaces for Improved Gastrostomy Tubes. <i>Molecules</i> , 2014, 19, 8981-8994.	3.8	38
63	Biocompatible Fe ₃ O ₄ Increases the Efficacy of Amoxicillin Delivery against Gram-Positive and Gram-Negative Bacteria. <i>Molecules</i> , 2014, 19, 5013-5027.	3.8	59
64	Fluorescence analysis of apoptosis induced by <i>Pseudomonas aeruginosa</i> in endothelial cells. <i>Romanian Journal of Morphology and Embryology</i> , 2014, 55, 313-7.	0.8	1
65	Histone Deacetylase (HDAC) Inhibitors Down-Regulate Endothelial Lineage Commitment of Umbilical Cord Blood Derived Endothelial Progenitor Cells. <i>International Journal of Molecular Sciences</i> , 2012, 13, 15074-15085.	4.1	16
66	Integration Properties of Wharton's Jelly-derived Novel Mesenchymal Stem Cells into Ventricular Slices of Murine Hearts. <i>Cellular Physiology and Biochemistry</i> , 2011, 28, 63-76.	1.6	24
67	Direct contact of umbilical cord blood endothelial progenitors with living cardiac tissue is a requirement for vascular tube-like structures formation. <i>Journal of Cellular and Molecular Medicine</i> , 2011, 15, 1914-1926.	3.6	13
68	Effects of plant lectin and extracts on adhesion molecules of endothelial progenitors. <i>Open Life Sciences</i> , 2011, 6, 330-341.	1.4	4