

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	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
2	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
3	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
4	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
5	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
6	Polylactic Acid Lemongrass Essential Oil Nanocapsules with Antimicrobial Properties. <i>Pharmaceuticals</i> , 2016, 9, 42.	3.8	46
7	Antimicrobial Wound Dressings as Potential Materials for Skin Tissue Regeneration. <i>Materials</i> , 2019, 12, 1859.	2.9	46
8	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
9	MAPLE Fabricated Fe ₃ O ₄ @Cinnamomum verum Antimicrobial Surfaces for Improved Gastrostomy Tubes. <i>Molecules</i> , 2014, 19, 8981-8994.	3.8	38
10	Antimicrobial and Antiparasitic Activity of Lectins. <i>Current Pharmaceutical Biotechnology</i> , 2015, 16, 152-161.	1.6	37
11	Electrochromic properties of polyaniline-coated fiber webs for tissue engineering applications. <i>International Journal of Pharmaceutics</i> , 2016, 510, 465-473.	5.2	33
12	Antimicrobial nanospheres thin coatings prepared by advanced pulsed laser technique. <i>Beilstein Journal of Nanotechnology</i> , 2014, 5, 872-880.	2.8	31
13	Bioactive Surfaces of Polylactide and Silver Nanoparticles for the Prevention of Microbial Contamination. <i>Materials</i> , 2020, 13, 768.	2.9	31
14	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
15	Analytical methods applied to the assay of sulfur-containing preserving agents. <i>Microchemical Journal</i> , 2020, 155, 104681.	4.5	29
16	Biomimetic Composite Scaffold Based on Naturally Derived Biomaterials. <i>Polymers</i> , 2020, 12, 1161.	4.5	29
17	New Collagen/HA/BT composite materials for hard tissue engineering. <i>Materials Science and Engineering C</i> , 2016, 62, 795-805.	7.3	28
18	MAPLE Coatings Embedded with Essential Oil-Conjugated Magnetite for Anti-Biofilm Applications. <i>Materials</i> , 2021, 14, 1612.	2.9	27

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19	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
20	Bioactive ZnO Coatings Deposited by MAPLE—An Appropriate Strategy to Produce Efficient Anti-Biofilm Surfaces. <i>Molecules</i> , 2016, 21, 220.	3.8	26
21	Nano-Hydroxyapatite vs. Xenografts: Synthesis, Characterization, and In Vitro Behavior. <i>Nanomaterials</i> , 2021, 11, 2289.	4.1	26
22	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
23	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
24	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
25	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
26	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
27	Key biomarkers within the colorectal cancer related inflammatory microenvironment. <i>Scientific Reports</i> , 2021, 11, 7940.	3.3	17
28	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
29	Photoluminescent Hydroxylapatite: Eu ³⁺ Doping Effect on Biological Behaviour. <i>Nanomaterials</i> , 2019, 9, 1187.	4.1	16
30	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
31	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
32	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
33	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
34	Development of 3D Bioactive Scaffolds through 3D Printing Using Wollastonite—Gelatin Inks. <i>Polymers</i> , 2020, 12, 2420.	4.5	12
35	Additives Imparting Antimicrobial Properties to Acrylic Bone Cements. <i>Materials</i> , 2021, 14, 7031.	2.9	12
36	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

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37	MAPLE fabricated magnetite@Melissa officinalis and poly lactic acid: chitosan coated surfaces with anti-staphylococcal properties. Journal of Sol-Gel Science and Technology, 2015, 73, 612-619.	2.4	11
38	Biocompatible Ag/Fe-Enhanced TiO ₂ Nanoparticles as an Effective Compound in Sunscreens. Nanomaterials, 2020, 10, 570.	4.1	11
39	Fabrication and characterization of functionalized surfaces with 3-amino propyltrimethoxysilane films for anti-infective therapy applications. Applied Surface Science, 2015, 336, 401-406.	6.1	10
40	Impact of Pseudomonas aeruginosa quorum sensing signaling molecules on adhesion and inflammatory markers in endothelial cells. Beilstein Journal of Organic Chemistry, 2018, 14, 2580-2588.	2.2	10
41	Suberin/<i>trans-</i>Cinnamaldehyde Oil Nanoparticles with Antimicrobial Activity and Anticancer Properties When Loaded with Paclitaxel. ACS Applied Bio Materials, 2019, 2, 3484-3497.	4.6	10
42	Composite scaffolds based on calcium phosphates and barium titanate obtained through bacterial cellulose templated synthesis. Materials Science and Engineering C, 2020, 110, 110704.	7.3	10
43	Influence of Terbium Ions and Their Concentration on the Photoluminescence Properties of Hydroxyapatite for Biomedical Applications. Nanomaterials, 2021, 11, 2442.	4.1	10
44	Production and Characterization of Antimicrobial Electrospun Nanofibers Containing Polyurethane, Zirconium Oxide and Zeolite. BioNanoScience, 2018, 8, 154-165.	3.5	9
45	Functionalization of eggshell membranes with CuOâ€ZnO based pâ€n junctions for visible light induced antibacterial activity against Escherichia coli. Scientific Reports, 2020, 10, 20960.	3.3	9
46	Antioxidant Determination with the Use of Carbon-Based Electrodes. Chemosensors, 2021, 9, 72.	3.6	9
47	Influence of Thermal Treatment Conditions on the Properties of Dental Silicate Cements. Molecules, 2016, 21, 233.	3.8	8
48	Recellularization potential assessment of Whartonâ€™s Jelly-derived endothelial progenitor cells using a human fetal vascular tissue model. In Vitro Cellular and Developmental Biology - Animal, 2014, 50, 937-944.	1.5	7
49	Poly(lactic-co-glycolic) acid/chitosan microsphere thin films functionalized with Cinnamomi aetheroleum and magnetite nanoparticles for preventing the microbial colonization of medical surfaces. Journal of Sol-Gel Science and Technology, 2015, 73, 679-686.	2.4	7
50	Modified calcium silicophosphate cements with improved properties. Materials Chemistry and Physics, 2019, 238, 121965.	4.0	7
51	Senescenceâ€induced immunophenotype, gene expression and electrophysiology changes in human amniocytes. Journal of Cellular and Molecular Medicine, 2019, 23, 7233-7245.	3.6	7
52	Bioprinted scaffolds. , 2019, , 35-60.		6
53	Biocompatible 3D Matrix with Antimicrobial Properties. Molecules, 2016, 21, 115.	3.8	5
54	Characteristics of Wollastonite Ceramic Coatings Obtained by Pulsed Laser Deposition. Journal of Inorganic and Organometallic Polymers and Materials, 2021, 31, 1601-1607.	3.7	5

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55	Isoflavonoid-Antibiotic Thin Films Fabricated by MAPLE with Improved Resistance to Microbial Colonization. <i>Molecules</i> , 2021, 26, 3634.	3.8	5
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	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
58	Effects of plant lectin and extracts on adhesion molecules of endothelial progenitors. <i>Open Life Sciences</i> , 2011, 6, 330-341.	1.4	4
59	Nanostructured mesoporous silica: new perspectives for fighting antimicrobial resistance. <i>Journal of Nanoparticle Research</i> , 2015, 17, 1.	1.9	4
60	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
61	Nanostructured Approaches for the Targeted Delivery of Antibiotics in Difficult Infections. <i>Current Organic Chemistry</i> , 2016, 21, 45-52.	1.6	3
62	Histone acetylation regulates the expression of HoxD9 transcription factor in endothelial progenitor cells. <i>Romanian Journal of Morphology and Embryology</i> , 2015, 56, 107-113.	0.8	3
63	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
64	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
65	Screening of Lyme borreliosis in dogs from Romania using immunoblot assay. <i>Journal of Biotechnology</i> , 2015, 208, S98.	3.8	1
66	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
67	Lectins in food: Friends or enemies?. <i>Journal of Biotechnology</i> , 2015, 208, S8.	3.8	0
68	Editorial (Thematic Issue: Nanobiomaterials for Improving Stem Cell Applications in Tissue Engineering) <i>Journal of Biotechnology</i> , 2015, 208, S1-S6.	1.3	0