George Dan MogoÅanu

List of Publications by Year in descending order

55 papers	1,957 citations	304602 22 h-index	254106 43 g-index
57 all docs	57 docs citations	57 times ranked	3351 citing authors

#	Article	IF	Citations
1	Natural and synthetic polymers for wounds and burns dressing. International Journal of Pharmaceutics, 2014, 463, 127-136.	2.6	826
2	The Effect of Silver Nanoparticles on Antioxidant/Pro-Oxidant Balance in a Murine Model. International Journal of Molecular Sciences, 2020, 21, 1233.	1.8	75
3	In vitro and in vivo studies of novel fabricated bioactive dressings based on collagen and zinc oxide 3D scaffolds. International Journal of Pharmaceutics, 2019, 557, 199-207.	2.6	68
4	Biocompatible Fe3O4 Increases the Efficacy of Amoxicillin Delivery against Gram-Positive and Gram-Negative Bacteria. Molecules, 2014, 19, 5013-5027.	1.7	59
5	Polymeric protective agents for nanoparticles in drug delivery and targeting. International Journal of Pharmaceutics, 2016, 510, 419-429.	2.6	52
6	MAPLE fabricated magnetite@eugenol and (3-hidroxybutyric acid-co-3-hidroxyvaleric acid)â€“polyvinyl alcohol microspheres coated surfaces with anti-microbial properties. Applied Surface Science, 2014, 306, 16-22.	3.1	51
7	Efficiency of Vanilla, Patchouli and Ylang Ylang Essential Oils Stabilized by Iron Oxide@C14 Nanostructures against Bacterial Adherence and Biofilms Formed by Staphylococcus aureus and Klebsiella pneumoniae Clinical Strains. Molecules, 2014, 19, 17943-17956.	1.7	49
8	Usnic acid-loaded biocompatible magnetic PLGA-PVA microsphere thin films fabricated by MAPLE with increased resistance to staphylococcal colonization. Biofabrication, 2014, 6, 035002.	3.7	45
9	The Fructoborates: Part of a Family of Naturally Occurring Sugarâ€“Borate Complexesâ€”Biochemistry, Physiology, and Impact on Human Health: a Review. Biological Trace Element Research, 2019, 188, 11-25.	1.9	42
10	Silver Nanocoatings for Reducing the Exogenous Microbial Colonization of Wound Dressings. Materials, 2016, 9, 345.	1.3	38
11	Anionic polymers and 10nm Fe3O4@UA wound dressings support human foetal stem cells normal development and exhibit great antimicrobial properties. International Journal of Pharmaceutics, 2014, 463, 146-154.	2.6	37
12	Keratin-Based Biomaterials for Biomedical Applications. Current Drug Targets, 2014, 15, 518-530.	1.0	37
13	Effects of Calcium Fructoborate on Levels of C-Reactive Protein, Total Cholesterol, Low-Density Lipoprotein, Triglycerides, IL-1Î², IL-6, and MCP-1: a Double-blind, Placebo-controlled Clinical Study. Biological Trace Element Research, 2015, 163, 124-131.	1.9	35
14	Fabrication and Cytotoxicity of Gemcitabine-Functionalized Magnetite Nanoparticles. Molecules, 2017, 22, 1080.	1.7	34
15	Calcium Fructoborate for Bone and Cardiovascular Health. Biological Trace Element Research, 2016, 172, 277-281.	1.9	32
16	pH sensitive core-shell magnetic nanoparticles for targeted drug delivery in cancer therapy. Romanian Journal of Morphology and Embryology, 2016, 57, 23-32.	0.4	28
17	MAPLE Coatings Embedded with Essential Oil-Conjugated Magnetite for Anti-Biofilm Applications. Materials, 2021, 14, 1612.	1.3	27
18	Antimicrobial Nanostructured Bioactive Coating Based on Fe3O4 and Patchouli Oil for Wound Dressing. Metals, 2016, 6, 103.	1.0	26

#	Article	IF	Citations
19	Bioactive ZnO Coatings Deposited by MAPLEâ€"An Appropriate Strategy to Produce Efficient Anti-Biofilm Surfaces. Molecules, 2016, 21, 220.	1.7	26
20	Prevention of Microbial Communities: Novel Approaches Based Natural Products. Current Pharmaceutical Biotechnology, 2015, 16, 94-111.	0.9	25
21	MAPLE fabrication of thin films based on kanamycin functionalized magnetite nanoparticles with anti-pathogenic properties. Applied Surface Science, 2015, 336, 188-195.	3.1	24
22	Antibiofilm Coatings Based on PLGA and Nanostructured Cefepime-Functionalized Magnetite. Nanomaterials, 2018, 8, 633.	1.9	23
23	Fabrication, Characterization, and Evaluation of Bionanocomposites Based on Natural Polymers and Antibiotics for Wound Healing Applications. Molecules, 2016, 21, 761.	1.7	22
24	Collagen-Nanoparticles Composites for Wound Healing and Infection Control. Metals, 2017, 7, 516.	1.0	21
25	Mesoporous silica coatings for cephalosporin active release at the bone-implant interface. Applied Surface Science, 2016, 374, 165-171.	3.1	20
26	Antibiotic Resistance and Virulence Phenotypes of Recent Bacterial Strains Isolated from Urinary Tract Infections in Elderly Patients with Prostatic Disease. Pathogens, 2017, 6, 22.	1.2	20
27	Iron oxide nanoparticles modulate the interaction of different antibiotics with cellular membranes. Romanian Journal of Morphology and Embryology, 2014, 55, 849-56.	0.4	20
28	Novel Drug Delivery Magnetite Nano-systems Used in Antimicrobial Therapy. Current Organic Chemistry, 2014, 18, 185-191.	0.9	19
29	Phases of the cutaneous angiogenesis process in experimental third-degree skin burns: histological and immunohistochemical study. Romanian Journal of Morphology and Embryology, 2013, 54, 163-71.	0.4	19
30	Thin coatings based on ZnO@C18-usnic acid nanoparticles prepared by MAPLE inhibit the development of Salmonella enterica early biofilm growth. Applied Surface Science, 2016, 374, 318-325.	3.1	18
31	Natural products used forÂfood preservation. , 2017, , 365-411.		18
32	Enhanced Internalization of Nanoparticles Following Ionizing Radiation Leads to Mitotic Catastrophe in MG-63 Human Osteosarcoma Cells. International Journal of Molecular Sciences, 2020, 21, 7220.	1.8	14
33	Biofilm-Resistant Nanocoatings Based on ZnO Nanoparticles and Linalool. Nanomaterials, 2021, 11, 2564.	1.9	14
34	Natural and synthetic polymers for drug delivery and targeting. , 2016, , 229-284.		12
35	Biocompatible hybrid silica nanobiocomposites for the efficient delivery of anti-staphylococcal drugs. International Journal of Pharmaceutics, 2016, 510, 532-542.	2.6	9
36	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.	1.1	7

#	Article	IF	Citations
37	Simultaneous Quantitation of Boric Acid and Calcium Fructoborate in Dietary Supplements by HPTLC-Densitometry. Analytical Sciences, 2017, 33, 743-746.	0.8	6
38	Letter to the Editor: Boron enhances the antiviral activity of the curcumin against SARS-CoV-2. Romanian Journal of Morphology and Embryology, 2021, 61, 967-970.	0.4	6
39	Comparative study of microvascular density in experimental third-degree skin burns treated with topical preparations containing herbal extracts. Romanian Journal of Morphology and Embryology, 2013, 54, 107-13.	0.4	6
40	Prosthetic Devices with Nanostructurated Surfaces for Increased Resistance to Microbial Colonization. Current Pharmaceutical Biotechnology, 2015, 16, 112-120.	0.9	5
41	In vivo biodistribution of CNTs using a BALB/c mouse experimental model. Romanian Journal of Morphology and Embryology, 2015, 56, 1481-93.	0.4	5
42	Nanostructured mesoporous silica: new perspectives for fighting antimicrobial resistance. Journal of Nanoparticle Research, 2015, 17, 1.	0.8	4
43	Preclinical and histological study of boron-containing compounds hydrogels on experimental model of periodontal disease. Romanian Journal of Morphology and Embryology, 2021, 62, 219-226.	0.4	4
44	Natural and semisynthetic candidate molecules for COVID-19 prophylaxis and treatment. Romanian Journal of Morphology and Embryology, 2020, 61, 321-334.	0.4	4
45	In vitro and in vivo applications of 3D dendritic gold nanostructures. Romanian Journal of Morphology and Embryology, 2015, 56, 915-24.	0.4	3
46	Effect of Scutellariae herba extracts in experimental model of skin burns: histological and immunohistochemical assessment. Romanian Journal of Morphology and Embryology, 2016, 57, 1285-1294.	0.4	3
47	Study of antimicrobial effects of functionalized silver nanoparticles. Romanian Journal of Morphology and Embryology, 2019, 60, 939-946.	0.4	3
48	Simultaneous quantitation of nicotinamide riboside and nicotinamide in dietary supplements via HPTLCâ€“UV with confirmation by online HPTLCâ€“ESIâ€“MS. Acta Chromatographica, 2020, 32, 128-133.	0.7	2
49	Biodistribution of essential oil-conjugated silver nanoparticles. Romanian Journal of Morphology and Embryology, 2021, 61, 1099-1109.	0.4	2
50	Nanoparticle-functionalized dressings for the treatment of third-degree skin burns â€“ histopathological and immunohistochemical study. Romanian Journal of Morphology and Embryology, 2021, 62, 159-168.	0.4	2
51	HPTLC QUANTIFICATION OF POLYPHENOLIC ACIDS AND ANTIOXIDANT ACTIVITY OF POLYGONUM HYDROPIPER L. SPECIES FROM ROMANIAN FLORA. Farmacia, 2019, 67, 1005-1010.	0.1	2
52	Histological and immunohistochemical study of cutaneous angiogenesis process in experimental third-degree skin burns treated with allograft. Romanian Journal of Morphology and Embryology, 2012, 53, 1061-7.	0.4	2
53	Applications of nanobiopolymers for soft tissue engineering. , 2016, , 83-109.		1
54	Macrophage response in experimental third-degree skin burns treated with allograft. Histological and immunohistochemical study. Romanian Journal of Morphology and Embryology, 2012, 53, 1027-36.	0.4	1

#	Article	IF	Citations
55	Marine Natural Products in Fighting Microbial Infections. , 2016, , 351-375.		0