

# Anisoara Cimpean

## List of Publications by Year in descending order

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71  
papers

1,706  
citations

257101

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315357

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71  
docs citations

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times ranked

2364  
citing authors

#	ARTICLE	IF	CITATIONS
1	SiC- and Ag-SiC-Doped Hydroxyapatite Coatings Grown Using Magnetron Sputtering on Ti Alloy for Biomedical Application. <i>Coatings</i> , 2022, 12, 195.	1.2	4
2	Optimized Extraction of Glycoproteins from <i>Ganoderma lucidum</i> . , 2022, 7, .		0
3	Macrophage-like Cells Are Responsive to Titania Nanotube Intertube Spacing An In Vitro Study. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3558.	1.8	4
4	TiO <sub>2</sub> Nanotubes Functionalized with Icaritin for an Attenuated In Vitro Immune Response and Improved In Vivo Osseointegration. <i>Journal of Functional Biomaterials</i> , 2022, 13, 43.	1.8	12
5	Comprehensive analysis of compatible natural fibre as sacrificial porogen template for tailored ceramic 3D bioproducts destined for hard tissue reconstruction. <i>Ceramics International</i> , 2021, 47, 5318-5334.	2.3	12
6	The State of the Art and Prospects for Osteoimmunomodulatory Biomaterials. <i>Materials</i> , 2021, 14, 1357.	1.3	18
7	Bioactive Ibuprofen-Loaded PLGA Coatings for Multifunctional Surface Modification of Medical Devices. <i>Polymers</i> , 2021, 13, 1413.	2.0	9
8	Endothelial Cell Responses to a Highly Deformable Titanium Alloy Designed for Vascular Stent Applications. <i>Journal of Functional Biomaterials</i> , 2021, 12, 33.	1.8	5
9	Anodic TiO <sub>2</sub> Nanotubes: Tailoring Osteoinduction via Drug Delivery. <i>Nanomaterials</i> , 2021, 11, 2359.	1.9	25
10	In Vitro Macrophage Immunomodulation by Poly( $\epsilon$ -caprolactone) Based-Coated AZ31 Mg Alloy. <i>International Journal of Molecular Sciences</i> , 2021, 22, 909.	1.8	17
11	Antimicrobial Effect of Mucoadhesive Films Prepared with Biogenic Silica Nanoparticles. <i>Proceedings (mdpi)</i> , 2020, 57, .	0.2	0
12	The Influence of Severe Plastic Deformation on Microstructure and In Vitro Biocompatibility of the New Ti-Nb-Zr-Ta-Fe-O Alloy Composition. <i>Materials</i> , 2020, 13, 4853.	1.3	9
13	Induced Hydrophilicity and In Vitro Preliminary Osteoblast Response of Polyvinylidene Fluoride (PVDF) Coatings Obtained via MAPLE Deposition and Subsequent Thermal Treatment. <i>Molecules</i> , 2020, 25, 582.	1.7	22
14	Drug Delivery Systems Based on Titania Nanotubes and Active Agents for Enhanced Osseointegration of Bone Implants. <i>Current Medicinal Chemistry</i> , 2020, 27, 854-902.	1.2	22
15	In vitro and in vivo biological performance of Mg-based bone implants. <i>Reviews in Biological and Biomedical Sciences</i> , 2020, 3, 11-41.	0.1	4
16	Synthesis and characterization of biocompatible polymer-ceramic film structures as favorable interface in guided bone regeneration. <i>Applied Surface Science</i> , 2019, 494, 335-352.	3.1	26
17	The influence of barium titanate on the biological properties of collagen-hydroxyapatite composite scaffolds. <i>Materials Letters</i> , 2019, 253, 317-322.	1.3	13
18	Human Mesenchymal Stem Cell Response to Lactoferrin-based Composite Coatings. <i>Materials</i> , 2019, 12, 3414.	1.3	12

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19	In vitro study of human endothelial progenitor cells behaviour on nitrated Ni-free Ti-27Nb alloy. Progress in Natural Science: Materials International, 2019, 29, 466-471.	1.8	6
20	Lateral Spacing of TiO <sub>2</sub> Nanotubes Modulates Osteoblast Behavior. Materials, 2019, 12, 2956.	1.3	22
21	Naturally-Derived Biphasic Calcium Phosphates through Increased Phosphorus-Based Reagent Amounts for Biomedical Applications. Materials, 2019, 12, 381.	1.3	25
22	Macrophage in vitro Response on Hybrid Coatings Obtained by Matrix Assisted Pulsed Laser Evaporation. Coatings, 2019, 9, 236.	1.2	15
23	Eco-friendly synthesized spherical ZnO materials: Effect of the core-shell to solid morphology transition on antimicrobial activity. Materials Science and Engineering C, 2019, 97, 438-450.	3.8	11
24	Nitrodopamine vs dopamine as an intermediate layer for bone regeneration applications. Materials Science and Engineering C, 2019, 98, 461-471.	3.8	16
25	In vitro behavior of human mesenchymal stem cells on poly(N-isopropylacrylamide) based biointerfaces obtained by matrix assisted pulsed laser evaporation. Applied Surface Science, 2018, 440, 712-724.	3.1	7
26	Cellulose acetate membranes functionalized with resveratrol by covalent immobilization for improved osseointegration. Applied Surface Science, 2018, 438, 2-13.	3.1	63
27	Influence of the modulated two-step synthesis of biogenic hydroxyapatite on biomimetic products <sup>TM</sup> surface. Applied Surface Science, 2018, 438, 147-157.	3.1	34
28	Nanochannelar Topography Positively Modulates Osteoblast Differentiation and Inhibits Osteoclastogenesis. Coatings, 2018, 8, 294.	1.2	16
29	Graphene nanoplatelets-sericin surface-modified Gum alloy for improved biological response. RSC Advances, 2018, 8, 18492-18501.	1.7	9
30	Osteoblast Cell Response to Naturally Derived Calcium Phosphate-Based Materials. Materials, 2018, 11, 1097.	1.3	24
31	Collagen/hydroxyapatite bone grafts manufactured by homogeneous/heterogeneous 3D printing. Materials Letters, 2018, 231, 179-182.	1.3	29
32	Innovative methodology for developing a bone grafting composite biomaterial starting from the seashell of Rapana thomasiana. Comptes Rendus Chimie, 2017, 20, 440-445.	0.2	9
33	Novel degradable biointerfacing nanocomposite coatings for modulating the osteoblast response. Surface and Coatings Technology, 2017, 325, 397-409.	2.2	13
34	Characterization and In Vitro and In Vivo Assessment of a Novel Cellulose Acetate-Coated Mg-Based Alloy for Orthopedic Applications. Materials, 2017, 10, 686.	1.3	43
35	Surface Characterization, Corrosion Resistance and in Vitro Biocompatibility of a New Ti-Hf-Mo-Sn Alloy. Materials, 2016, 9, 818.	1.3	17
36	Vertically, interconnected carbon nanowalls as biocompatible scaffolds for osteoblast cells. Journal Physics D: Applied Physics, 2016, 49, 274004.	1.3	7

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37	In vitro evaluation of poly(ethylene glycol)-block-poly( $\epsilon$ -caprolactone) methyl ether copolymer coating effects on cells adhesion and proliferation. <i>Applied Surface Science</i> , 2016, 374, 23-30.	3.1	20
38	Sericin Covalent Immobilization onto Cellulose Acetate Membrane for Biomedical Applications. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 1765-1774.	3.2	143
39	Nitride coating enhances endothelialization on biomedical NiTi shape memory alloy. <i>Materials Science and Engineering C</i> , 2016, 62, 686-691.	3.8	14
40	Attenuation of the macrophage inflammatory activity by TiO <sub>2</sub> nanotubes via inhibition of MAPK and NF- $\kappa$ B pathways. <i>International Journal of Nanomedicine</i> , 2015, 10, 6455.	3.3	46
41	Biological Behaviour and Enhanced Anticorrosive Performance of the Nitrided Superelastic Ti-23Nb-0.7Ta-2Zr-0.5N Alloy. <i>BioMed Research International</i> , 2015, 2015, 1-14.	0.9	7
42	In vitro performance assessment of new beta Ti-Mo-Nb alloy compositions. <i>Materials Science and Engineering C</i> , 2015, 47, 105-113.	3.8	45
43	Nanochannels formed on TiZr alloy improve biological response. <i>Acta Biomaterialia</i> , 2015, 24, 370-377.	4.1	35
44	Dose-related effects of sericin on preadipocyte behavior within collagen/sericin hybrid scaffolds. <i>Progress in Natural Science: Materials International</i> , 2015, 25, 122-130.	1.8	20
45	Modification of titanium surface with collagen and doxycycline as a new approach in dental implants. <i>Journal of Adhesion Science and Technology</i> , 2015, 29, 2537-2550.	1.4	30
46	Surface plasma functionalization influences macrophage behavior on carbon nanowalls. <i>Materials Science and Engineering C</i> , 2015, 48, 118-125.	3.8	31
47	Recent Advances and Challenges in Adipose Tissue Engineering: Adipose Derived Stem Cell-based Approaches. <i>Current Tissue Engineering</i> , 2014, 3, 7-24.	0.2	1
48	Long-term corrosion performances and cytocompatibility of nitrided Ti and Ti-6Al-4V alloy in severe functional conditions. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2014, 65, 593-604.	0.8	16
49	In vitro bio-functional performances of the novel superelastic beta-type Ti-23Nb-0.7Ta-2Zr-0.5N alloy. <i>Materials Science and Engineering C</i> , 2014, 35, 411-419.	3.8	32
50	Potentiality of the "Gum Metal" titanium-based alloy for biomedical applications. <i>Materials Science and Engineering C</i> , 2014, 44, 362-370.	3.8	69
51	Enhancement of the electrochemical behaviour and biological performance of Ti-25Ta-5Zr alloy by thermo-mechanical processing. <i>Materials Science and Engineering C</i> , 2014, 38, 127-142.	3.8	10
52	Reduced inflammatory activity of RAW 264.7 macrophages on titania nanotube modified Ti surface. <i>International Journal of Biochemistry and Cell Biology</i> , 2014, 55, 187-195.	1.2	94
53	Corrosion and biocompatibility of PPy/PEG coating electrodeposited on Ti6Al7Nb alloy. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2013, 64, 926-931.	0.8	12
54	Design of a nitrogen-implanted titanium-based superelastic alloy with optimized properties for biomedical applications. <i>Materials Science and Engineering C</i> , 2013, 33, 4173-4182.	3.8	25

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55	Collagen-hydroxyapatite/Cisplatin Drug Delivery Systems for Locoregional Treatment of Bone Cancer. <i>Technology in Cancer Research and Treatment</i> , 2013, 12, 275-284.	0.8	65
56	Surfactant-dependent macrophage response to polypyrrole-based coatings electrodeposited on Ti6Al7Nb alloy. <i>Materials Science and Engineering C</i> , 2013, 33, 3353-3361.	3.8	11
57	Sericin Enhances the Bioperformance of Collagen-Based Matrices Preseeded with Human-Adipose Derived Stem Cells (hADSCs). <i>International Journal of Molecular Sciences</i> , 2013, 14, 1870-1889.	1.8	37
58	Modulation of Adipogenic Conditions for Prospective Use of hADSCs in Adipose Tissue Engineering. <i>International Journal of Molecular Sciences</i> , 2012, 13, 15881-15900.	1.8	29
59	Osteoblast cell behavior on the new beta-type Tiâ€“25Taâ€“25Nb alloy. <i>Materials Science and Engineering C</i> , 2012, 32, 1554-1563.	3.8	29
60	Layer-shaped alginate hydrogels enhance the biological performance of human adipose-derived stem cells. <i>BMC Biotechnology</i> , 2012, 12, 35.	1.7	39
61	Surface characterization and biocompatibility of titanium alloys implanted with nitrogen by Hardion+ technology. <i>Journal of Materials Science: Materials in Medicine</i> , 2012, 23, 2953-66.	1.7	10
62	Effects of LP-MOCVD prepared TiO <sub>2</sub> thin films on the in vitro behavior of gingival fibroblasts. <i>Materials Chemistry and Physics</i> , 2011, 125, 485-492.	2.0	12
63	In Vitro Effects of Calcium Fructoborate upon Production of Inflammatory Mediators by LPS-stimulated RAW 264.7 Macrophages. <i>Biological Trace Element Research</i> , 2010, 135, 334-344.	1.9	43
64	Corrosion behaviour and biocompatibility of a new dental noble AuPdAgTi alloy. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2010, 61, 775-782.	0.8	3
65	Comparative Effects of Boric Acid and Calcium Fructoborate on Breast Cancer Cells. <i>Biological Trace Element Research</i> , 2008, 122, 197-205.	1.9	67
66	The relation between electrochemical tests and in vitro evaluation of titanium alloy biocompatibility. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2007, 58, 687-695.	0.8	31
67	In Vitro Effects of Calcium Fructoborate on fMLP-stimulated Human Neutrophil Granulocytes. <i>Biological Trace Element Research</i> , 2007, 118, 27-37.	1.9	26
68	In vitro biocompatibility and electrochemical behavior of titanium and its alloys. , 2006, , .		2
69	In vitro interactions of titanium bioalloys with human cells and physiological fluids. , 2006, , .		0
70	Substrate-specifying determinants of the nucleotide pyrophosphatases/phosphodiesterases NPP1 and NPP2. <i>Biochemical Journal</i> , 2004, 381, 71-77.	1.7	71
71	Biochemical Investigation of Some Proteins from Human Primary Teeth to Evaluate Heavy Metal Pollution. <i>Key Engineering Materials</i> , 0, 415, 53-56.	0.4	1