Anna ÅlÃ³sarczyk

List of Publications by Year
in descending order

57 papers	1,948 citations	257450 24 h-index	265206 42 g-index
57 all docs	57 docs citations	57 times ranked	2664 citing authors

#	Article	IF	Citations
1	Functionalized tricalcium phosphate and poly(3-hydroxyoctanoate) derived composite scaffolds as platforms for the controlled release of diclofenac. Ceramics International, 2021, 47, 3876-3883.	4.8	13
2	Development of highly porous calcium phosphate bone cements applying nonionic surface active agents. RSC Advances, 2021, 11, 23908-23921.	3.6	5
3	Effect of Gold Nanoparticles and Silicon on the Bioactivity and Antibacterial Properties of Hydroxyapatite/Chitosan/Tricalcium Phosphate-Based Biomicroconcretes. Materials, 2021, 14, 3854.	2.9	9
4	New Hybrid Bioactive Composites for Bone Substitution. Processes, 2020, 8, 335.	2.8	13
5	In vivo behavior of biomicroconcretes based on Î±â€tricalcium phosphate and hybrid hydroxyapatite/chitosan granules and sodium alginate. Journal of Biomedical Materials Research - Part A, 2020, 108, 1243-1255.	4.0	9
6	Biomicroconcretes based on the hybrid HAp/CTS granules, Î±-TCP and pectins as a novel injectable bone substitutes. Materials Letters, 2020, 265, 127457.	2.6	14
7	Comparative study on physicochemical properties of alpha-TCP / calcium sulphate dihydrate biomicroconcretes containing chitosan, sodium alginate or methylcellulose. Acta of Bioengineering and Biomechanics, 2020, 22, .	0.4	6
8	Comparative study on physicochemical properties of alpha-TCP / calcium sulphate dihydrate biomicroconcretes containing chitosan, sodium alginate or methylcellulose. Acta of Bioengineering and Biomechanics, 2020, 22, 47-56.	0.4	2
9	Novel multicomponent organicâ€“inorganic WPI/gelatin/CaP hydrogel composites for bone tissue engineering. Journal of Biomedical Materials Research - Part A, 2019, 107, 2479-2491.	4.0	29
10	Influence of Selected Surfactants on Physicochemical Properties of Calcium Phosphate Bone Cements. Langmuir, 2019, 35, 13656-13662.	3.5	7
11	Novel bioresorbable tricalcium phosphate/polyhydroxyoctanoate (TCP/PHO) composites as scaffolds for bone tissue engineering applications. Journal of the Mechanical Behavior of Biomedical Materials, 2019, 98, 235-245.	3.1	20
12	Influence of sodium alginate and methylcellulose on hydrolysis and physicochemical properties of Î±-TCP based materials. Ceramics International, 2018, 44, 6533-6540.	4.8	16
13	Novel selfâ€gelling injectable hydrogel/alphaâ€tricalcium phosphate composites for bone regeneration: Physiochemical and microcomputer tomographical characterization. Journal of Biomedical Materials Research - Part A, 2018, 106, 822-828.	4.0	36
14	Use of microporous hydroxyapatite material in regenerative treatment of periodontal tissues in dogs: a clinical study. Medycyna Weterynaryjna, 2018, 74, 5985-2018.	0.1	0
15	Influence of magnesium and silver ions on rheological properties of hydroxyapatite/chitosan/calcium sulphate based bone cements. Ceramics International, 2017, 43, 16196-16203.	4.8	14
16	Evaluation of antibacterial activity and cytocompatibility of Î±-TCP based bone cements with silver-doped hydroxyapatite and CaCO3. Ceramics International, 2017, 43, 13997-14007.	4.8	25
17	New approach in evaluation of ceramic-polymer composite bioactivity and biocompatibility. Analytical and Bioanalytical Chemistry, 2017, 409, 5747-5755.	3.7	10
18	Quantitative stereological analysis of the highly porous hydroxyapatite scaffolds using X-ray CM and SEM. Bio-Medical Materials and Engineering, 2017, 28, 235-246.	0.6	2

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19	How calcite and modified hydroxyapatite influence physicochemical properties and cytocompatibility of alpha-TCP based bone cements. Journal of Materials Science: Materials in Medicine, 2017, 28, 117.	3.6	15
20	Structural transformation of synthetic hydroxyapatite under simulated in vivo conditions studied with ATR-FTIR spectroscopic imaging. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 171, 155-161.	3.9	61
21	The importance of chitosan and nano-TiHA in cement-type composites on the basis of calcium sulfate. Ceramics International, 2016, 42, 15559-15567.	4.8	16
22	The comparison study of bioactivity between composites containing synthetic non-substituted and carbonate-substituted hydroxyapatite. Materials Science and Engineering C, 2016, 62, 260-267.	7.3	22
23	Cytocompatibility of the selected calcium phosphate based bone cements: comparative study in human cell culture. Journal of Materials Science: Materials in Medicine, 2015, 26, 270.	3.6	17
24	Alpha-tricalcium phosphate synthesized by two different routes: Structural and spectroscopic characterization. Ceramics International, 2015, 41, 5727-5733.	4.8	37
25	Solidâ€State NMR Study of Mn²⁺ for Ca²⁺ Substitution in Thermally Processed Hydroxyapatites. Journal of the American Ceramic Society, 2015, 98, 1265-1274.	3.8	12
26	Effect of a carbonated HAP/Î²-glucan composite bone substitute on healing of drilled bone voids in the proximal tibial metaphysis of rabbits. Materials Science and Engineering C, 2015, 53, 60-67.	7.3	27
27	<i>In vivo</i>implantation of porous titanium alloy implants coated with magnesium-doped octacalcium phosphate and hydroxyapatite thin films using pulsed laser depostion. , 2015, 103, 151-158.		73
28	Comparative in vitro study of calcium phosphate ceramics for their potency as scaffolds for tissue engineering. Bio-Medical Materials and Engineering, 2014, 24, 1609-1623.	0.6	7
29	Physicochemical properties and biomimetic behaviour of Î±-TCP-chitosan based materials. Ceramics International, 2014, 40, 5523-5532.	4.8	33
30	Do novel cement-type biomaterials reveal ion reactivity that affects cell viability in vitro?. Open Life Sciences, 2014, 9, 277-289.	1.4	22
31	Application of Î²-1,3-glucan in production of ceramics-based elastic composite for bone repair. Open Life Sciences, 2013, 8, 534-548.	1.4	12
32	Evaluation of a setting reaction pathway in the novel composite TiHAâ€“CSD bone cement by FT-Raman and FT-IR spectroscopy. Journal of Molecular Structure, 2013, 1034, 289-295.	3.6	11
33	Physicochemical properties of the novel biphasic hydroxyapatite-magnesium phosphate biomaterial. Acta of Bioengineering and Biomechanics, 2013, 15, 53-63.	0.4	4
34	Study on the new bone cement based on calcium sulfate and Mg, CO3 doped hydroxyapatite. Ceramics International, 2012, 38, 4935-4942.	4.8	31
35	Incorporation of carbonate and magnesium ions into synthetic hydroxyapatite: The effect on physicochemical properties. Journal of Molecular Structure, 2011, 987, 40-50.	3.6	88
36	A comparative study of carbonate bands from nanocrystalline carbonated hydroxyapatites using FT-IR spectroscopy in the transmission and photoacoustic modes. Journal of Molecular Structure, 2011, 997, 7-14.	3.6	44

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37	Synthesis, structural properties and thermal stability of Mn-doped hydroxyapatite. Journal of Molecular Structure, 2010, 976, 301-309.	3.6	77
38	Structural studies of magnesium doped hydroxyapatite coatings after osteoblast culture. Journal of Molecular Structure, 2010, 977, 145-152.	3.6	62
39	The effect of phosphate source on the sintering of carbonate substituted hydroxyapatite. Ceramics International, 2010, 36, 577-582.	4.8	28
40	Effects of Mg Additives on Properties of Mg-Doped Hydroxyapatite Ceramics. Advances in Science and Technology, 2010, 76, 60-65.	0.2	3
41	Covalent coating of hydroxyapatite by keratin stabilizes gentamicin release. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2009, 89B, 102-113.	3.4	24
42	Manufacturing of highly porous calcium phosphate bioceramics via gel-casting using agarose. Ceramics International, 2009, 35, 2249-2254.	4.8	70
43	Estimation of the specific surface area of apatites in human mineralized tissues using 31P MAS NMR. Solid State Nuclear Magnetic Resonance, 2007, 32, 53-58.	2.3	35
44	Mechanical properties of HApâ€“ZrO2 composites. Journal of the European Ceramic Society, 2006, 26, 1481-1488.	5.7	102
45	Efficiency of 1Hâ†’31P NMR cross-polarization in bone apatite and its mineral standards. Solid State Nuclear Magnetic Resonance, 2006, 29, 345-348.	2.3	25
46	Drug Release from Hydroxyapatite Implants with Different Microstructure and Phase Composition. Advances in Science and Technology, 2006, 49, 62-67.	0.2	1
47	FTIR and XRD evaluation of carbonated hydroxyapatite powders synthesized by wet methods. Journal of Molecular Structure, 2005, 744-747, 657-661.	3.6	365
48	HApâ€“ZrO2 composite coatings prepared by plasma spraying for biomedical applications. Ceramics International, 2005, 31, 567-571.	4.8	17
49	Phase stability of hydroxyapatiteâ€“zirconia (HApâ€“ZrO2) composites for bone replacement. Journal of Molecular Structure, 2004, 704, 333-340.	3.6	59
50	Influence of the Ca- and P-enriched oxide layers produced on titanium and the Ti6Al4V alloy by the IBAD method upon the corrosion resistance of these materials. Vacuum, 2003, 70, 163-167.	3.5	13
51	The kinetics of pentoxifylline release in vivo from drug-loaded hydroxyapatite implants. Ceramics International, 2001, 27, 767-772.	4.8	30
52	The kinetics of pentoxifylline release from drug-loaded hydroxyapatite implants. Biomaterials, 2000, 21, 1215-1221.	11.4	48
53	Kinetics of NMR cross-polarization from protons to phosphorus-31 in natural brushite. Solid State Nuclear Magnetic Resonance, 2000, 15, 237-238.	2.3	14
54	Hot pressed hydroxyapatiteâ€“carbon fibre composites. Journal of the European Ceramic Society, 2000, 20, 1397-1402.	5.7	57

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55	Ceramic materials on the basis of hydroxyapatite and tricalcium phosphate. Ceramics International, 1999, 25, 561-565.	4.8	29
56	Porous hydroxyapatite ceramics. Journal of Materials Science Letters, 1999, 18, 1163-1165.	0.5	17
57	The FTIR spectroscopy and QXRD studies of calcium phosphate based materials produced from the powder precursors with different ratios. Ceramics International, 1997, 23, 297-304.	4.8	110