

Celaletdin Ergun

List of Publications by Year in descending order

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43
papers

3,806
citations

361413

20
h-index

414414

32
g-index

45
all docs

45
docs citations

45
times ranked

4067
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced functions of osteoblasts on nanophase ceramics. <i>Biomaterials</i> , 2000, 21, 1803-1810.	11.4	1,212
2	Specific proteins mediate enhanced osteoblast adhesion on nanophase ceramics. <i>Journal of Biomedical Materials Research Part B</i> , 2000, 51, 475-483.	3.1	874
3	Enhanced osteoclast-like cell functions on nanophase ceramics. <i>Biomaterials</i> , 2001, 22, 1327-1333.	11.4	413
4	Hydroxylapatite with substituted magnesium, zinc, cadmium, and yttrium. II. Mechanisms of osteoblast adhesion. <i>Journal of Biomedical Materials Research Part B</i> , 2002, 59, 312-317.	3.1	250
5	An in vitro evaluation of the Ca/P ratio for the cytocompatibility of nano-to-micron particulate calcium phosphates for bone regeneration. <i>Acta Biomaterialia</i> , 2008, 4, 1472-1479.	8.3	206
6	Hydroxylapatite with substituted magnesium, zinc, cadmium, and yttrium. I. Structure and microstructure. <i>Journal of Biomedical Materials Research Part B</i> , 2002, 59, 305-311.	3.1	174
7	Increased osteoblast adhesion on titanium-coated hydroxylapatite that forms CaTiO ₃ . <i>Journal of Biomedical Materials Research Part B</i> , 2003, 67A, 975-980.	3.1	104
8	Effect of Ti ion substitution on the structure of hydroxylapatite. <i>Journal of the European Ceramic Society</i> , 2008, 28, 2137-2149.	5.7	64
9	Increased osteoblast adhesion on nanoparticulate calcium phosphates with higher Ca/P ratios. <i>Journal of Biomedical Materials Research - Part A</i> , 2008, 85A, 236-241.	4.0	60
10	Increased osteoblast adhesion on nanograined hydroxyapatite and tricalcium phosphate containing calcium titanate. <i>Journal of Biomedical Materials Research - Part A</i> , 2007, 80A, 990-997.	4.0	54
11	The effect of combined delivery of recombinant human bone morphogenetic protein-2 and recombinant human vascular endothelial growth factor 165 from biomimetic calcium-phosphate-coated implants on osseointegration. <i>Clinical Oral Implants Research</i> , 2011, 22, 1433-1439.	4.5	50
12	Synthesis and characterization of Ag-containing calcium phosphates with various Ca/P ratios. <i>Materials Science and Engineering C</i> , 2015, 53, 111-119.	7.3	36
13	In vitro performance of Ag-incorporated hydroxyapatite and its adhesive porous coatings deposited by electrostatic spraying. <i>Materials Science and Engineering C</i> , 2017, 77, 556-564.	7.3	36
14	Hydroxylapatite and titanium: Interfacial reactions. <i>Journal of Biomedical Materials Research Part B</i> , 2003, 65A, 336-343.	3.1	34
15	Enhanced phase stability in hydroxylapatite/zirconia composites with hot isostatic pressing. <i>Ceramics International</i> , 2011, 37, 935-942.	4.8	30
16	Synthesis and characterization of iron oxide particles using spray pyrolysis technique. <i>Ceramics International</i> , 2015, 41, 1994-2005.	4.8	29
17	Synthesis and microstructural characterization of nano-size calcium phosphates with different stoichiometry. <i>Ceramics International</i> , 2011, 37, 971-977.	4.8	27
18	Interface reaction/diffusion in hydroxylapatite-coated SS316L and CoCrMo alloys. <i>Acta Materialia</i> , 2004, 52, 4767-4772.	7.9	23

#	ARTICLE	IF	CITATIONS
19	Osteoblast adhesion on novel machinable calcium phosphate/lanthanum phosphate composites for orthopedic applications. Journal of Biomedical Materials Research - Part A, 2009, 89A, 727-733.	4.0	22
20	Synthesis of ZnO nanoparticles by an aerosol process. Ceramics International, 2014, 40, 7107-7116.	4.8	22
21	Synthesis and characterization of machinable calcium phosphate/lanthanum phosphate composites. Journal of Materials Processing Technology, 2008, 199, 178-184.	6.3	18
22	Novel machinable calcium phosphate/CaTiO ₃ composites. Ceramics International, 2011, 37, 1143-1146.	4.8	9
23	<i>In Situ</i> Synthesis of B ₄ C / TiB ₂ Composites from Low Cost Sugar Based Precursor. Defect and Diffusion Forum, 2010, 297-301, 52-56.	0.4	8
24	Effect of Precursor Deficiency Induced Ca/P Ratio on Antibacterial and Osteoblast Adhesion Properties of Ag-Incorporated Hydroxyapatite: Reducing Ag Toxicity. Materials, 2021, 14, 3158.	2.9	8
25	Specific proteins mediate enhanced osteoblast adhesion on nanophase ceramics. Journal of Biomedical Materials Research Part B, 2000, 51, 475-483.	3.1	8
26	Synthesis of boron carbide nanoparticles via spray pyrolysis. Journal of Materials Research, 2016, 31, 2789-2803.	2.6	6
27	Comparison and validation of finite element analysis with a servo-hydraulic testing unit for a biodegradable fixation system in a rabbit model. International Journal of Oral and Maxillofacial Surgery, 2014, 43, 32-39.	1.5	5
28	Synthesis and Characterization of Ag Doped Hydroxylapatite as an Antibacterial Scaffolds Material. Defect and Diffusion Forum, 0, 283-286, 250-255.	0.4	4
29	In situ synthesis of B ₄ C/SiC, B ₄ C/TiB ₂ , and B ₄ C/ZrB ₂ composites from organic-inorganic hybrid precursor via a simple bottom-up approach. Journal of Sol-Gel Science and Technology, 2019, 92, 745-759.	2.4	4
30	Structural Characterization of Ion Nitrided 316L Austenitic Stainless Steel: Influence of Treatment Temperature and Time. Metals, 2022, 12, 306.	2.3	4
31	Synthesis of B ₄ C/SiC Composite from Sugar Based Precursor. Defect and Diffusion Forum, 0, 283-286, 268-272.	0.4	3
32	A study on calcium phosphate/barium titanate composites: phase characterization, piezoelectric property, and cytocompatibility. Journal of the Australian Ceramic Society, 2020, 56, 1197-1216.	1.9	3
33	A facile synthesis method for in situ composites of TiB ₂ /B ₄ C and ZrB ₂ /B ₄ C. Journal of the Australian Ceramic Society, 2022, 58, 411-420.	1.9	3
34	Phase Stability in Hydroxyapatite / Barium Titanate Piezo Bioceramics. Defect and Diffusion Forum, 0, 273-276, 1-7.	0.4	1
35	Ion Nitriding of CoCrMo Alloys. Defect and Diffusion Forum, 2010, 297-301, 82-87.	0.4	1
36	Phase Interaction in Hydroxylapatite/LaPO ₄ Composite. , 2006, , 373.		0

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37	Increased Osteoblast Adhesion on Nanograined Hydroxyapatite and Tricalcium Phosphate Calcium Titanate Composites. Materials Research Society Symposia Proceedings, 2006, 950, 1.	0.1	0
38	Synthesis and Characterization of Ag Doped Hydroxylapatite via the Decomposition of EDTA Chelate. Defect and Diffusion Forum, 2010, 297-301, 25-29.	0.4	0
39	Characterization of Silver Doped Hydroxyapatite Prepared by EDTA Chelate Decomposition Method. Materials Research Society Symposia Proceedings, 2012, 1418, 139.	0.1	0
40	Phase Interaction in Hydroxylapatite/CaTiO ₃ Composite. , 2006, , .		0
41	Synthesis and Characterization of Al, Ag, Ti, Cu, and B Substituted Hydroxylapatite. , 0, , 131-137.		0
42	Preparation of Ag-Doped Calcium Phosphates. , 2013, , 1679-1685.		0
43	Machinable Tricalcium Phosphate/Lanthanum Phosphate Composites. Ceramic Engineering and Science Proceedings, 0, , 53-62.	0.1	0