

Sandra M Londoño-Restrepo

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

698
citations

623734

14
h-index

839539

18
g-index

19
all docs

19
docs citations

19
times ranked

599
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of the Nano Crystal Size on the X-ray Diffraction Patterns of Biogenic Hydroxyapatite from Human, Bovine, and Porcine Bones. <i>Scientific Reports</i> , 2019, 9, 5915.	3.3	174
2	Crystalline structures of the main components of starch. <i>Current Opinion in Food Science</i> , 2021, 37, 107-111.	8.0	95
3	Morphological, structural, thermal, compositional, vibrational, and pasting characterization of white, yellow, and purple Arracacha Lego-like starches and flours (<i>Arracacia xanthorrhiza</i>). <i>International Journal of Biological Macromolecules</i> , 2018, 113, 1188-1197.	7.5	51
4	Study of bovine hydroxyapatite obtained by calcination at low heating rates and cooled in furnace air. <i>Journal of Materials Science</i> , 2016, 51, 4431-4441.	3.7	49
5	Physicochemical, morphological, and rheological characterization of <i>Xanthosoma robustum</i> Lego-like starch. <i>International Journal of Biological Macromolecules</i> , 2014, 65, 222-228.	7.5	46
6	Influence of physicochemical changes of the avocado starch throughout its pasting profile: Combined extraction. <i>Carbohydrate Polymers</i> , 2022, 281, 119048.	10.2	35
7	Cooling rate effects on thermal, structural, and microstructural properties of bio-hydroxyapatite obtained from bovine bone. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2016, 104, 339-344.	3.4	32
8	Synthesis and characterization of bioinspired nano-hydroxyapatite by wet chemical precipitation. <i>Ceramics International</i> , 2021, 47, 32775-32785.	4.8	31
9	Effect of the crystal size on the infrared and Raman spectra of bio hydroxyapatite of human, bovine, and porcine bones. <i>Journal of Raman Spectroscopy</i> , 2019, 50, 1120-1129.	2.5	30
10	In-situ XRD study of the crystal size transition of hydroxyapatite from swine bone. <i>Ceramics International</i> , 2020, 46, 24454-24461.	4.8	28
11	Synthesis and characterization of nano-hydroxyapatite added with magnesium obtained by wet chemical precipitation. <i>Progress in Natural Science: Materials International</i> , 2021, 31, 575-582.	4.4	27
12	Nano to micro size transition of hydroxyapatite in porcine bone during heat treatment with low heating rates. <i>Progress in Natural Science: Materials International</i> , 2020, 30, 494-501.	4.4	23
13	In situ study of hydroxyapatite from cattle during a controlled calcination process using HT-XRD. <i>Materials Science and Engineering C</i> , 2019, 105, 110020.	7.3	20
14	Comparative study of physicochemical properties of bio-hydroxyapatite with commercial samples. <i>Materials Chemistry and Physics</i> , 2021, 259, 124201.	4.0	19
15	Study of morphological, structural, thermal, and pasting properties of flour and isolated starch from unripe plantain (<i>Musa paradisiaca</i>). <i>International Journal of Biological Macromolecules</i> , 2021, 183, 1723-1731.	7.5	17
16	Physicochemical characterization of Amaranth starch insulated by mechanical separations. <i>International Journal of Biological Macromolecules</i> , 2021, 177, 430-436.	7.5	8
17	Study of microstructural, structural, mechanical, and vibrational properties of defatted trabecular bovine bones: natural sponges. , 2019, , 441-485.		6
18	Physicochemical properties of 3D bovine natural scaffolds as a function of the anterior-posterior, lateral and superior-inferior directions. <i>Materialia</i> , 2021, 16, 101100.	2.7	5

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19	Determination of basal bone mineral density in the femur bones of male and female Wistar rats. <i>Laboratory Animals</i> , 2021, 55, 30-42.	1.0	2