MarÃ-a Canillas

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3069080/publications.pdf

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30	490	840776 11	713466 21
papers	citations	h-index	g-index

30	30	30	654
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Calcium phosphates for biomedical applications. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2017, 56, 91-112.	1.9	152
2	Processing of hydroxyapatite obtained by combustion synthesis. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2017, 56, 237-242.	1.9	39
3	Effects of hydrothermal pressure on in situ synthesis of 3D graphene- hydroxyapatite nano structured powders. Ceramics International, 2019, 45, 1761-1769.	4.8	32
4	In situ synthesis of three dimensional graphene-hydroxyapatite nano powders via hydrothermal process. Materials Chemistry and Physics, 2019, 222, 251-255.	4.0	31
5	Improving the mechanical behavior of reduced graphene oxide/hydroxyapatite nanocomposites using gas injection into powders synthesis autoclave. Scientific Reports, 2020, 10, 8552.	3.3	25
6	Bioactive composites fabricated by freezing-thawing method for bone regeneration applications. Journal of Polymer Science, Part B: Polymer Physics, 2016, 54, 761-773.	2.1	20
7	An in vivo study on bone formation behavior of microporous granular calcium phosphate. Biomaterials Science, 2017, 5, 1315-1325.	5.4	18
8	Composite cryogels for dual drug delivery and enhanced mechanical properties. Polymer Composites, 2018, 39, E210.	4.6	17
9	Physico-chemical properties of the Ti5O9 Magneli phase with potential application as a neural stimulation electrode. Journal of Materials Chemistry B, 2013, 1, 6459.	5.8	15
10	Evaluation of Argon-Gas-Injected Solvothermal Synthesis of Hydroxyapatite Crystals Followed by High-Frequency Induction Heat Sintering. Crystal Growth and Design, 2020, 20, 3182-3189.	3.0	15
11	Targeting Neural Stem Cells with Titanium Dioxide Nanoparticles Coupled to Specific Monoclonal Antibodies. Journal of Biomaterials Applications, 2012, 26, 1069-1089.	2.4	12
12	Novel Osteoinductive and Osteogenic Scaffolds of Monetite, Amorphous Calcium Phosphate, Hydroxyapatite, and Silica Gel: Influence of the Hydroxyapatite/Monetite Ratio on Their In Vivo Behavior and on Their Physical and Chemical Properties. ACS Biomaterials Science and Engineering, 2020, 6, 3440-3453.	5.2	11
13	Different in vitro behavior of two Ca3(PO4)2 based biomaterials, a glass-ceramic and a ceramic, having the same chemical composition. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2015, 54, 181-188.	1.9	9
14	External and internal ontogenetic changes in the first rib. American Journal of Physical Anthropology, 2017, 164, 750-762.	2.1	9
15	Bulk Ti nitride prepared from rutile TiO2 for its application as stimulation electrode in neuroscience. Materials Science and Engineering C, 2019, 96, 295-301.	7.3	9
16	Titanium dioxide catalytic activity contributes to the process of free radical scavenging. Journal of Catalysis, 2020, 381, 186-192.	6.2	9
17	TiO2 surfaces support neuron growth during electric field stimulation. Materials Science and Engineering C, 2017, 79, 1-8.	7.3	8
18	Synthesis of Graphene Nanoribbonsâ€“Hydroxyapatite Nanocomposite Applicable in Biomedicine and Theranostics. Journal of Nanotheranostics, 2020, 1, 6-18.	3.1	8

#	Article	IF	Citations
19	Investigating the mechanical behavior of hydroxyapatite-reduced graphene oxide nanocomposite under different loading rates. Nano Express, 2020, 1, 010053.	2.4	8
20	Low temperature consolidation of hydroxyapatite-reduced graphene oxide nano-structured powders. Materials Advances, 2020, 1, 1337-1346.	5.4	7
21	Characterization of hydroxyapatite-reduced graphene oxide nanocomposites consolidated via high frequency induction heat sintering method. Journal of Asian Ceramic Societies, 2020, 8, 1296-1309.	2.3	7
22	Characteristics of hydroxyapatite-reduced graphene oxide composite powders synthesized via hydrothermal method in the absence and presence of diethylene glycol. Open Ceramics, 2021, 5, 100067.	2.0	7
23	Statistical evaluation of nano-structured hydroxyapatite mechanical characteristics by employing the Vickers indentation technique. Ceramics International, 2020, 46, 20081-20087.	4.8	7
24	Comparison of the effect of argon, hydrogen, and nitrogen gases on the reduced graphene oxide-hydroxyapatite nanocomposites characteristics. BMC Chemistry, 2020, 14, 59.	3.8	6
25	Scavenging activity of MagnÃ©li phases as a function of Ti⁴⁺/Ti³⁺ratios. Chemical Communications, 2017, 53, 10580-10583.	4.1	3
26	Synchrotron X-ray microdiffraction to study dental structures in Cretaceous crocodylomorphs. Cretaceous Research, 2021, 128, 104960.	1.4	3
27	Photopolymerization for filling porous ceramic matrix: Improvement of mechanical properties and drug delivering behavior. Polymer Composites, 2019, 40, 1654-1662.	4.6	2
28	Enhancing mechanical properties of hydroxyapatite-reduced graphene oxide nanocomposites by increasing the spark plasma sintering temperature. Inorganic and Nano-Metal Chemistry, 2021, 51, 1580-1590.	1.6	1
29	Materials directed to implants for repairing Central Nervous System. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2014, 53, 249-259.	1.9	0
30	Self-Photopolymerizable Hydrogelâ€“Ceramic Composites with Scavenger Properties. Polymers, 2022, 14, 1261.	4.5	0