Aihua Yao

List of Publications by Year
in descending order

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21	592	687363 13	794594 19
papers	citations	h-index	g-index

21	21	21	857
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	In Vitro Bioactive Characteristics of Borate-Based Glasses with Controllable Degradation Behavior. Journal of the American Ceramic Society, 2007, 90, 303-306.	3.8	251
2	In situ synthesis of graphene oxide/gold nanorods theranostic hybrids for efficient tumor computed tomography imaging and photothermal therapy. Nano Research, 2017, 10, 37-48.	10.4	64
3	BMP2-loaded hollow hydroxyapatite microspheres exhibit enhanced osteoinduction and osteogenicity in large bone defects. International Journal of Nanomedicine, 2015, 10, 517.	6.7	41
4	Preparation of hollow hydroxyapatite microspheres by the conversion of borate glass at near room temperature. Materials Research Bulletin, 2010, 45, 25-28.	5.2	29
5	Synthesis, characterization and in vitro cytotoxicity of self-regulating magnetic implant material for hyperthermia application. Materials Science and Engineering C, 2009, 29, 2525-2529.	7.3	28
6	TiN nanoparticles: synthesis and application as near-infrared photothermal agents for cancer therapy. Journal of Materials Science, 2019, 54, 5743-5756.	3.7	25
7	Stimulatory Effects of Boron Containing Bioactive Glass on Osteogenesis and Angiogenesis of Polycaprolactone: In Vitro Study. BioMed Research International, 2019, 2019, 1-12.	1.9	22
8	In situ fabrication of hollow hydroxyapatite microspheres by phosphate solution immersion. Journal of Crystal Growth, 2011, 327, 245-250.	1.5	20
9	Preparation of bioactive glasses with controllable degradation behavior and their bioactive characterization. Science Bulletin, 2007, 52, 272-276.	1.7	18
10	Fabrication of superparamagnetic hydroxyapatite with highly ordered three-dimensional pores. Journal of Materials Science, 2009, 44, 4020-4025.	3.7	16
11	Structure and crystallization behavior of borate-based bioactive glass. Journal of Materials Science, 2007, 42, 9730-9735.	3.7	15
12	Preparation and characterization of periodic porous frame of hydroxyapatite. Journal of the Ceramic Society of Japan, 2009, 117, 521-524.	1.1	14
13	Preparation and characterization of temperature-responsive magnetic composite particles for multi-modal cancer therapy. Journal of Materials Science: Materials in Medicine, 2011, 22, 2239-2247.	3.6	14
14	Synthesis of pH-responsive nanocomposites of gold nanoparticles and graphene oxide and their applications in SERS and catalysis. RSC Advances, 2017, 7, 56519-56527.	3.6	10
15	Nanocement Produced from Borosilicate Bioactive Glass Nanoparticles Composited with Alginate. Australian Journal of Chemistry, 2019, 72, 354.	0.9	8
16	Conversion of Bioactive Borosilicate Glass to Multilayered Hydroxyapatite in Dilute Phosphate Solution. Journal of the American Ceramic Society, 2007, 90, 070918221104004-???.	3.8	7
17	Preparation and characterization of Î²-TCP/CS scaffolds by freeze-extraction and freeze-gelation. Journal Wuhan University of Technology, Materials Science Edition, 2011, 26, 371-375.	1.0	4
18	Fabrication of N-acetyl-l-cysteine-capped CdSe-polyelectrolytes @ Hydroxyapatite Composite Microspheres for Fluorescence Detection of Cu2+ Ions. Journal of Materials Science and Technology, 2013, 29, 1104-1110.	10.7	3

#	Article	IF	Citations
19	Photothermally active borosilicate-based composite bone cement for near-infrared light controlled mineralisation. Materials Technology, 0, , 1-8.	3.0	2
20	In Vitro Mineralization Property of Borosilicate Bioactive Glass under DC Electric Field. Wuji Cailiao Xuebao/Journal of Inorganic Materials, 2021, 36, 1006.	1.3	1
21	The Interface Reactions and Solidification Mechanism of Glassy Waste under Hydrothermal Conditions. Glass Physics and Chemistry, 2021, 47, 340-348.	0.7	0