Xinyu Shen

List of Publications by Year
in descending order

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36	989	516710 16	434195 31
papers	citations	h-index	g-index

36	36	36	1707
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Incorporation of homogeneous Co₃O₄ into a nitrogen-doped carbon aerogel via a facile in situ synthesis method: implications for high performance asymmetric supercapacitors. Journal of Materials Chemistry A, 2016, 4, 9542-9554.	10.3	101
2	Scalable one-step synthesis of N,S co-doped graphene-enhanced hierarchical porous carbon foam for high-performance solid-state supercapacitors. Journal of Materials Chemistry A, 2019, 7, 7591-7603.	10.3	98
3	Preparation and evaluation of collagen-silk fibroin/hydroxyapatite nanocomposites for bone tissue engineering. International Journal of Biological Macromolecules, 2014, 65, 1-7.	7.5	78
4	Constructing multi-component organic/inorganic composite bacterial cellulose-gelatin/hydroxyapatite double-network scaffold platform for stem cell-mediated bone tissue engineering. Materials Science and Engineering C, 2017, 78, 130-140.	7.3	63
5	Comparisons among Mg, Zn, Sr, and Si doped nano-hydroxyapatite/chitosan composites for load-bearing bone tissue engineering applications. Materials Chemistry Frontiers, 2017, 1, 900-910.	5.9	51
6	A novel method for the fabrication of homogeneous hydroxyapatite/collagen nanocomposite and nanocomposite scaffold with hierarchical porosity. Journal of Materials Science: Materials in Medicine, 2011, 22, 299-305.	3.6	50
7	Rational design of uniformly embedded metal oxide nanoparticles into nitrogen-doped carbon aerogel for high-performance asymmetric supercapacitors with a high operating voltage window. Journal of Materials Chemistry A, 2016, 4, 16576-16587.	10.3	50
8	A novel nanocomposite for bone tissue engineering based on chitosanâ€“silk sericin/hydroxyapatite: biomimetic synthesis and its cytocompatibility. RSC Advances, 2015, 5, 56410-56422.	3.6	43
9	One-Pot Template-Free Strategy toward 3D Hierarchical Porous Nitrogen-Doped Carbon Framework in Situ Armored Homogeneous NiO Nanoparticles for High-Performance Asymmetric Supercapacitors. ACS Applied Materials & Interfaces, 2018, 10, 22278-22290.	8.0	43
10	A detailed study of homogeneous agarose/hydroxyapatite nanocomposites for load-bearing bone tissue. International Journal of Biological Macromolecules, 2016, 82, 134-143.	7.5	39
11	Facile synthesis of anisotropic porous chitosan/hydroxyapatite scaffolds for bone tissue engineering. Journal of Materials Chemistry, 2011, 21, 12015.	6.7	37
12	A novel chitosan- tussah silk fibroin/nano-hydroxyapatite composite bone scaffold platform with tunable mechanical strength in a wide range. International Journal of Biological Macromolecules, 2016, 93, 87-97.	7.5	37
13	Recent design and control of carbon materials for supercapacitors. Journal of Materials Science, 2021, 56, 1919-1942.	3.7	36
14	Synthesis and cytocompatibility of collagen/hydroxyapatite nanocomposite scaffold for bone tissue engineering. Polymer Composites, 2016, 37, 81-90.	4.6	34
15	Bio-templated synthesis of hierarchically ordered macro-mesoporous anatase titanium dioxide flakes with high photocatalytic activity. RSC Advances, 2015, 5, 15572-15578.	3.6	33
16	Rational design of a high-strength bone scaffold platform based on in situ hybridization of bacterial cellulose/nano-hydroxyapatite framework and silk fibroin reinforcing phase. Journal of Biomaterials Science, Polymer Edition, 2018, 29, 107-124.	3.5	22
17	Composition/structure and lacquering craft analysis of Wenzhou Song dynasty lacquerware. Analytical Methods, 2016, 8, 6529-6536.	2.7	17
18	Analysis on the Composition/structure and Lacquering Techniques of the Coffin of Emperor Qianlong Excavated from the Eastern Imperial Tombs. Scientific Reports, 2017, 7, 8446.	3.3	16

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19	Preparation and characterization of gelatin/hydroxyapatite nanocomposite for bone tissue engineering. Polymer Composites, 2017, 38, 1579-1590.	4.6	15
20	One-step pyrolysis toward nitrogen-doped hierarchical porous carbons for supercapacitors. Journal of Materials Science, 2020, 55, 12191-12202.	3.7	14
21	A facile method for the preparation of chitosan-based scaffolds with anisotropic pores for tissue engineering applications. Carbohydrate Polymers, 2016, 152, 615-623.	10.2	13
22	Development of mesoporous titanium dioxide hybrid poly(vinylidene fluoride) ultrafiltration membranes with photocatalytic properties. Journal of Applied Polymer Science, 2016, 133, .	2.6	13
23	Comparisons between gelatin-tussah silk fibroin/hydroxyapatite and gelatin-Bombyx mori silk fibroin/hydroxyapatite nano-composites for bone tissue engineering. RSC Advances, 2015, 5, 76526-76537.	3.6	12
24	Scientific investigation of the lacquered wooden coffin of Xiang Fei excavated from Eastern Royal Tombs of the Qing Dynasty. New Journal of Chemistry, 2017, 41, 9806-9814.	2.8	12
25	Comparisons of the restoring and reinforcement effects of carboxymethyl chitosan-silk fibroin (Bombyx Mori/Antheraea Yamamai/Tussah) on aged historic silk. International Journal of Biological Macromolecules, 2019, 124, 71-79.	7.5	12
26	Three-dimensional self-doped hierarchical porous mussel nacre-derived carbons for high performance supercapacitors. Journal of Materials Science: Materials in Electronics, 2019, 30, 14382-14390.	2.2	11
27	Quantitative analysis of the water of crystallization of gypsum by near-infrared spectroscopy in Yungang Grottoes. Analytical Methods, 2015, 7, 8271-8276.	2.7	9
28	Systematic study of the material, structure and lacquering techniques of lacquered wooden coffins from the Eastern Regius Tombs of the Qing Dynasty, China. Microchemical Journal, 2021, 168, 106369.	4.5	8
29	Constructing an Anisotropic Triple-Pass Tubular Framework within a Lyophilized Porous Gelatin Scaffold Using Dexamethasone-Loaded Functionalized Whatman Paper To Reinforce Its Mechanical Strength and Promote Osteogenesis. Biomacromolecules, 2017, 18, 3788-3801.	5.4	6
30	Quantitative Determining of Ultra-Trace Aluminum Ion in Environmental Samples by Liquid Phase Microextraction Assisted Anodic Stripping Voltammetry. Sensors, 2018, 18, 1503.	3.8	4
31	Mechanism of iron complexes catalyzed in the N-formylation of amines with CO₂ and H₂: the superior performance of Nâ€“H ligand methylated complexes. Physical Chemistry Chemical Physics, 2021, 23, 16675-16689.	2.8	3
32	Characterization of calcium carbonate crystals in pigeon yolk sacs with different incubation times. Micron, 2014, 60, 39-48.	2.2	2
33	A novel GEL-OHA/HAp bone substitute. Wuhan University Journal of Natural Sciences, 2016, 21, 491-498.	0.4	2
34	Formation of an Organicâ€“Inorganic Hybrid Network Structure by In Situ Polymerization of Silicone to Protect Cultural Heritage Stonework. Journal of Materials in Civil Engineering, 2020, 32, 04019322.	2.9	2
35	Comprehensive Analysis of the Surface Decoration Layer of Buddha Statues from Dazu Rock Carvings in China. Analytical Letters, 2022, 55, 2058-2073.	1.8	2
36	The effect of pigeon yolk sac fluid on the growth behavior of calcium carbonate crystals. Poultry Science, 2015, 94, 402-407.	3.4	1