

Xinyu Shen

List of Publications by Year in descending order

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papers

989
citations

516710

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36
times ranked

1707
citing authors

#	ARTICLE	IF	CITATIONS
1	Comprehensive Analysis of the Surface Decoration Layer of Buddha Statues from Dazu Rock Carvings in China. <i>Analytical Letters</i> , 2022, 55, 2058-2073.	1.8	2
2	Recent design and control of carbon materials for supercapacitors. <i>Journal of Materials Science</i> , 2021, 56, 1919-1942.	3.7	36
3	Systematic study of the material, structure and lacquering techniques of lacquered wooden coffins from the Eastern Regius Tombs of the Qing Dynasty, China. <i>Microchemical Journal</i> , 2021, 168, 106369.	4.5	8
4	Mechanism of iron complexes catalyzed in the N -formylation of amines with CO_2 and H_2 : the superior performance of N -H ligand methylated complexes. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 16675-16689.	2.8	3
5	Formation of an Organic-Inorganic Hybrid Network Structure by In Situ Polymerization of Silicone to Protect Cultural Heritage Stonework. <i>Journal of Materials in Civil Engineering</i> , 2020, 32, 04019322.	2.9	2
6	One-step pyrolysis toward nitrogen-doped hierarchical porous carbons for supercapacitors. <i>Journal of Materials Science</i> , 2020, 55, 12191-12202.	3.7	14
7	Three-dimensional self-doped hierarchical porous mussel nacre-derived carbons for high performance supercapacitors. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 14382-14390.	2.2	11
8	Scalable one-step synthesis of N,S co-doped graphene-enhanced hierarchical porous carbon foam for high-performance solid-state supercapacitors. <i>Journal of Materials Chemistry A</i> , 2019, 7, 7591-7603.	10.3	98
9	Comparisons of the restoring and reinforcement effects of carboxymethyl chitosan-silk fibroin (Bombyx Mori/Antheraea Yamamai/Tussah) on aged historic silk. <i>International Journal of Biological Macromolecules</i> , 2019, 124, 71-79.	7.5	12
10	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. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2018, 29, 107-124.	3.5	22
11	Quantitative Determining of Ultra-Trace Aluminum Ion in Environmental Samples by Liquid Phase Microextraction Assisted Anodic Stripping Voltammetry. <i>Sensors</i> , 2018, 18, 1503.	3.8	4
12	One-Pot Template-Free Strategy toward 3D Hierarchical Porous Nitrogen-Doped Carbon Framework in Situ Armored Homogeneous NiO Nanoparticles for High-Performance Asymmetric Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 22278-22290.	8.0	43
13	Preparation and characterization of gelatin/hydroxyapatite nanocomposite for bone tissue engineering. <i>Polymer Composites</i> , 2017, 38, 1579-1590.	4.6	15
14	Comparisons among Mg, Zn, Sr, and Si doped nano-hydroxyapatite/chitosan composites for load-bearing bone tissue engineering applications. <i>Materials Chemistry Frontiers</i> , 2017, 1, 900-910.	5.9	51
15	Constructing multi-component organic/inorganic composite bacterial cellulose-gelatin/hydroxyapatite double-network scaffold platform for stem cell-mediated bone tissue engineering. <i>Materials Science and Engineering C</i> , 2017, 78, 130-140.	7.3	63
16	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. <i>Biomacromolecules</i> , 2017, 18, 3788-3801.	5.4	6
17	Analysis on the Composition/structure and Lacquering Techniques of the Coffin of Emperor Qianlong Excavated from the Eastern Imperial Tombs. <i>Scientific Reports</i> , 2017, 7, 8446.	3.3	16
18	Scientific investigation of the lacquered wooden coffin of Xiang Fei excavated from Eastern Royal Tombs of the Qing Dynasty. <i>New Journal of Chemistry</i> , 2017, 41, 9806-9814.	2.8	12

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19	Synthesis and cytocompatibility of collagen/hydroxyapatite nanocomposite scaffold for bone tissue engineering. <i>Polymer Composites</i> , 2016, 37, 81-90.	4.6	34
20	Incorporation of homogeneous Co ₃ O ₄ into a nitrogen-doped carbon aerogel via a facile in situ synthesis method: implications for high performance asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2016, 4, 9542-9554.	10.3	101
21	Rational design of uniformly embedded metal oxide nanoparticles into nitrogen-doped carbon aerogel for high-performance asymmetric supercapacitors with a high operating voltage window. <i>Journal of Materials Chemistry A</i> , 2016, 4, 16576-16587.	10.3	50
22	A novel chitosan-tussah silk fibroin/nano-hydroxyapatite composite bone scaffold platform with tunable mechanical strength in a wide range. <i>International Journal of Biological Macromolecules</i> , 2016, 93, 87-97.	7.5	37
23	Composition/structure and lacquering craft analysis of Wenzhou Song dynasty lacquerware. <i>Analytical Methods</i> , 2016, 8, 6529-6536.	2.7	17
24	A facile method for the preparation of chitosan-based scaffolds with anisotropic pores for tissue engineering applications. <i>Carbohydrate Polymers</i> , 2016, 152, 615-623.	10.2	13
25	A novel GEL-OHA/HAp bone substitute. <i>Wuhan University Journal of Natural Sciences</i> , 2016, 21, 491-498.	0.4	2
26	Development of mesoporous titanium dioxide hybrid poly(vinylidene fluoride) ultrafiltration membranes with photocatalytic properties. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	2.6	13
27	A detailed study of homogeneous agarose/hydroxyapatite nanocomposites for load-bearing bone tissue. <i>International Journal of Biological Macromolecules</i> , 2016, 82, 134-143.	7.5	39
28	The effect of pigeon yolk sac fluid on the growth behavior of calcium carbonate crystals. <i>Poultry Science</i> , 2015, 94, 402-407.	3.4	1
29	A novel nanocomposite for bone tissue engineering based on chitosan-silk sericin/hydroxyapatite: biomimetic synthesis and its cytocompatibility. <i>RSC Advances</i> , 2015, 5, 56410-56422.	3.6	43
30	Bio-templated synthesis of hierarchically ordered macro-mesoporous anatase titanium dioxide flakes with high photocatalytic activity. <i>RSC Advances</i> , 2015, 5, 15572-15578.	3.6	33
31	Quantitative analysis of the water of crystallization of gypsum by near-infrared spectroscopy in Yungang Grottoes. <i>Analytical Methods</i> , 2015, 7, 8271-8276.	2.7	9
32	Comparisons between gelatin-tussah silk fibroin/hydroxyapatite and gelatin-Bombyx mori silk fibroin/hydroxyapatite nano-composites for bone tissue engineering. <i>RSC Advances</i> , 2015, 5, 76526-76537.	3.6	12
33	Characterization of calcium carbonate crystals in pigeon yolk sacs with different incubation times. <i>Micron</i> , 2014, 60, 39-48.	2.2	2
34	Preparation and evaluation of collagen-silk fibroin/hydroxyapatite nanocomposites for bone tissue engineering. <i>International Journal of Biological Macromolecules</i> , 2014, 65, 1-7.	7.5	78
35	Facile synthesis of anisotropic porous chitosan/hydroxyapatite scaffolds for bone tissue engineering. <i>Journal of Materials Chemistry</i> , 2011, 21, 12015.	6.7	37
36	A novel method for the fabrication of homogeneous hydroxyapatite/collagen nanocomposite and nanocomposite scaffold with hierarchical porosity. <i>Journal of Materials Science: Materials in Medicine</i> , 2011, 22, 299-305.	3.6	50