Hua Tong

List of Publications by Year
in descending order

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Version: 2024-02-01

		159585	206112
67	2,493	30	48
papers	citations	h-index	g-index

67	67	67	3762
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Preparation and characterization of homogeneous chitosanâ€“polylactic acid/hydroxyapatite nanocomposite for bone tissue engineering and evaluation of its mechanical properties. Acta Biomaterialia, 2009, 5, 2693-2703.	8.3	225
2	Control over the crystal phase, shape, size and aggregation of calcium carbonate via a l-aspartic acid inducing process. Biomaterials, 2004, 25, 3923-3929.	11.4	209
3	Three-dimensional hierarchical porous carbon/graphene composites derived from graphene oxide-chitosan hydrogels for high performance supercapacitors. Electrochimica Acta, 2015, 171, 13-22.	5.2	120
4	A Method for the Fabrication of Low-Noise Carbon Fiber Nanoelectrodes. Analytical Chemistry, 2001, 73, 1048-1052.	6.5	114
5	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
6	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
7	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
8	Synthesis and characterization of low content of different SiO2 materials composite poly (vinylidene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	8.2	72
9	Synthesis and characterization of chitosanâ€“multiwalled carbon nanotubes/hydroxyapatite nanocomposites for bone tissue engineering. Journal of Materials Science: Materials in Medicine, 2013, 24, 1843-1851.	3.6	70
10	Study of the degradation mechanism of Chinese historic silk (Bombyx mori) for the purpose of conservation. Polymer Degradation and Stability, 2013, 98, 727-735.	5.8	63
11	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
12	Templated synthesis and activation of highly nitrogen-doped worm-like carbon composites based on melamine-urea-formaldehyde resins for high performance supercapacitors. Electrochimica Acta, 2016, 194, 168-178.	5.2	59
13	Synthesis of highly ordered macro-mesoporous anatase TiO2 film with high photocatalytic activity. Microporous and Mesoporous Materials, 2011, 138, 200-206.	4.4	55
14	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
15	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
16	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
17	Synthesis and characterization of SBA-15/poly (vinylidene fluoride) (PVDF) hybrid membrane. Desalination, 2010, 260, 147-152.	8.2	48
18	Rational design of a stable, effective, and sustained dexamethasone delivery platform on a titanium implant: An innovative application of metal organic frameworks in bone implants. Chemical Engineering Journal, 2018, 333, 20-33.	12.7	45

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19	Homogeneous chitosan/carbonate apatite/citric acid nanocomposites prepared through a novel in situ precipitation method. Composites Science and Technology, 2007, 67, 2238-2245.	7.8	43
20	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
21	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
22	In situ analysis of the organic framework in the prismatic layer of mollusc shell. Biomaterials, 2002, 23, 2593-2598.	11.4	39
23	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
24	Facile synthesis of anisotropic porous chitosan/hydroxyapatite scaffolds for bone tissue engineering. Journal of Materials Chemistry, 2011, 21, 12015.	6.7	37
25	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
26	One-step copper-catalyzed synthesis of porous carbon nanotubes for high-performance supercapacitors. Microporous and Mesoporous Materials, 2021, 310, 110670.	4.4	37
27	Reinforcement of vulnerable historic silk fabrics with bacterial cellulose film and its light aging behavior. Carbohydrate Polymers, 2012, 88, 496-501.	10.2	36
28	Recent design and control of carbon materials for supercapacitors. Journal of Materials Science, 2021, 56, 1919-1942.	3.7	36
29	Synthesis and cytocompatibility of collagen/hydroxyapatite nanocomposite scaffold for bone tissue engineering. Polymer Composites, 2016, 37, 81-90.	4.6	34
30	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
31	The inducing effect of lecithin liposome organic template on the nucleation and crystal growth of calcium carbonate. Materials Science and Engineering C, 2009, 29, 222-227.	7.3	28
32	Use of THM-PY-GC/MS technique to characterize complex, multilayered Chinese lacquer. Journal of Analytical and Applied Pyrolysis, 2019, 140, 339-348.	5.5	28
33	Carboxylated Agarose (CA)-Silk Fibroin (SF) Dual Confluent Matrices Containing Oriented Hydroxyapatite (HA) Crystals: Biomimetic Organic/Inorganic Composites for Tibia Repair. Biomacromolecules, 2016, 17, 2437-2447.	5.4	22
34	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
35	Studies on induction of l-aspartic acid modified chitosan to crystal growth of the calcium phosphate in supersaturated calcification solution by quartz crystal microbalance. Biosensors and Bioelectronics, 2006, 22, 291-297.	10.1	20
36	A novel approach of homogenous inorganic/organic composites through in situ precipitation in poly-acrylic acid gel. Materials Letters, 2007, 61, 629-634.	2.6	20

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37	Fabrication and characterization of chitosan-silk fibroin/hydroxyapatite composites via in situ precipitation for bone tissue engineering. Chinese Journal of Polymer Science (English Edition), 2015, 33, 1661-1671.	3.8	18
38	Red lead degradation: monitoring of color change over time. New Journal of Chemistry, 2016, 40, 3686-3692.	2.8	18
39	Composition/structure and lacquering craft analysis of Wenzhou Song dynasty lacquerware. Analytical Methods, 2016, 8, 6529-6536.	2.7	17
40	Spectroscopic investigation and comprehensive analysis of the polychrome clay sculpture of Hua Yan Temple of the Liao Dynasty. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 240, 118574.	3.9	17
41	A novel approach to study the dynamic process of calcium carbonate crystal growth by microcalorimetric method. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2007, 458, 244-248.	5.6	16
42	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
43	Nitrogen and sulfur co-doped porous chitosan hydrogel-derived carbons for supercapacitors. Journal of Electroanalytical Chemistry, 2022, 907, 116060.	3.8	16
44	Preparation and characterization of gelatin/hydroxyapatite nanocomposite for bone tissue engineering. Polymer Composites, 2017, 38, 1579-1590.	4.6	15
45	Yolk spherocrystal: The structure, composition and liquid crystal template. Journal of Structural Biology, 2008, 163, 1-9.	2.8	14
46	One-step pyrolysis toward nitrogen-doped hierarchical porous carbons for supercapacitors. Journal of Materials Science, 2020, 55, 12191-12202.	3.7	14
47	Potassium chloride-catalyzed growth of porous carbon nanotubes for high-performance supercapacitors. Journal of Alloys and Compounds, 2022, 906, 164242.	5.5	14
48	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
49	Development of mesoporous titanium dioxide hybrid poly(vinylidene fluoride) ultrafiltration membranes with photocatalytic properties. Journal of Applied Polymer Science, 2016, 133, .	2.6	13
50	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
51	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
52	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
53	Biomineralization-inspired synthesis of chitosan/hydroxyapatite biocomposites based on a novel bilayer rate-controlling model. Colloids and Surfaces B: Biointerfaces, 2015, 136, 457-464.	5.0	11
54	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

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55	Investigation into the deterioration process of archaeological bamboo strips of China from four different periods by chemical and anatomical analysis. Polymer Degradation and Stability, 2014, 109, 71-78.	5.8	10
56	Micro-Raman, XRD and THM-Py-GC/MS analysis to characterize the materials used in the Eleven-Faced Guanyin of the Du Le Temple of the Liao Dynasty, China. Microchemical Journal, 2021, 171, 106828.	4.5	10
57	Dual pore-former method to prepare nitrogen-doped hierarchical porous carbons for supercapacitors. Journal of Alloys and Compounds, 2022, 895, 162587.	5.5	10
58	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
59	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
60	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
61	Characterization of Kangxi Coins of Tsing Empire by SEM-EDS. Mikrochimica Acta, 2003, 142, 123-127.	5.0	4
62	A Novel Approach of Homogenous Inorganic/Organic Composite through In Situ Precipitation in Gelatine/Poly(Acrylic Acid) Gel. Key Engineering Materials, 2007, 361-363, 499-502.	0.4	2
63	Characterization of calcium carbonate crystals in pigeon yolk sacs with different incubation times. Micron, 2014, 60, 39-48.	2.2	2
64	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
65	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
66	The effect of pigeon yolk sac fluid on the growth behavior of calcium carbonate crystals. Poultry Science, 2015, 94, 402-407.	3.4	1
67	Relationship Between Yolk Sac Liquid Crystal Formation and Calcium Transport in Pigeon Egg Yolk Sac Endoderm. Agricultural Research, 2018, 7, 232-238.	1.7	0