Fangfang Sun

List of Publications by Year
in descending order

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23 papers	1,174 citations	623734 14 h-index	677142 22 g-index
23 all docs	23 docs citations	23 times ranked	1882 citing authors

#	Article	IF	Citations
1	Various preparation methods of highly porous hydroxyapatite/polymer nanoscale biocomposites for bone regeneration. Acta Biomaterialia, 2011, 7, 3813-3828.	8.3	258
2	A high-energy-density sugar biobattery based on a synthetic enzymatic pathway. Nature Communications, 2014, 5, 3026.	12.8	232
3	High-yield hydrogen production from biomass by in vitro metabolic engineering: Mixed sugars coutilization and kinetic modeling. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 4964-4969.	7.1	200
4	In vitro metabolic engineering of hydrogen production at theoretical yield from sucrose. Metabolic Engineering, 2014, 24, 70-77.	7.0	87
5	Deep oxidation of glucose in enzymatic fuel cells through a synthetic enzymatic pathway containing a cascade of two thermostable dehydrogenases. Biosensors and Bioelectronics, 2012, 36, 110-115.	10.1	64
6	Administration of a herbal immunoregulation mixture enhances some immune parameters in carp (Cyprinus carpio). Fish Physiology and Biochemistry, 2007, 33, 93-101.	2.3	51
7	Mechanical properties of multilayered chitosan/CNT nanocomposite films. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2011, 528, 6636-6641.	5.6	36
8	Immunological and biochemical parameters in carp (Cyprinus carpio) after Qompsell feed ingredients for long-term administration. Aquaculture Research, 2007, 38, 246-255.	1.8	34
9	Preparation of multi-layered film of hydroxyapatite and chitosan. Materials Science and Engineering C, 2010, 30, 789-794.	7.3	33
10	Thermophilic Thermotoga maritima ribose-5-phosphate isomerase RpiB: Optimized heat treatment purification and basic characterization. Protein Expression and Purification, 2012, 82, 302-307.	1.3	30
11	Temporal trends in lipid screening and therapy among youth from 2002 to 2012. Journal of Clinical Lipidology, 2015, 9, S77-S87.	1.5	23
12	Preparation of High Flexible Composite Film of Hydroxyapatite and Chitosan. Polymer Bulletin, 2009, 62, 111-118.	3.3	22
13	In vivo study on the biocompatibility of chitosanâ€“hydroxyapatite film depending on degree of deacetylation. Journal of Biomedical Materials Research - Part A, 2017, 105, 1637-1645.	4.0	18
14	Biocompatibility of Nanoscale Hydroxyapatite-embedded Chitosan Films. Bulletin of the Korean Chemical Society, 2012, 33, 3950-3956.	1.9	17
15	Enhancement of primary neuronal cell proliferation using printingâ€transferred carbon nanotube sheets. Journal of Biomedical Materials Research - Part A, 2015, 103, 1746-1754.	4.0	14
16	Hydroxyapatite coating on damaged tooth surfaces by immersion. Biomedical Materials (Bristol), 2009, 4, 025017.	3.3	13
17	Fabrication of large area flexible and highly transparent film by a simple Ag nanowire alignment. Journal of Experimental Nanoscience, 2013, 8, 130-137.	2.4	13
18	A Hidden Transhydrogen Activity of a FMN-Bound Diaphorase under Anaerobic Conditions. PLoS ONE, 2016, 11, e0154865.	2.5	10

#	Article	IF	Citations
19	Cultures of <scp>S</scp>chwannâ€“like cells differentiated from adiposeâ€derived stem cells on <scp>PDMS</scp>/<scp>MWNT</scp> sheets as a scaffold for peripheral nerve regeneration. Journal of Biomedical Materials Research - Part A, 2015, 103, 3642-3648.	4.0	9
20	Hydroxyapatite composite scaffold for bone regeneration via rapid prototyping technique: a review. Rapid Prototyping Journal, 2022, 28, 585-605.	3.2	5
21	Vertically aligned multi-layered structures to enhance mechanical properties of chitosanâ€“carbon nanotube films. Journal of Materials Science, 2015, 50, 2587-2593.	3.7	3
22	An activity transition from NADH dehydrogenase to NADH oxidase during protein denaturation. Biotechnology and Applied Biochemistry, 2018, 65, 286-293.	3.1	2
23	Nanotechnology: A New Approach to Improve Orthopedic Implants. , 2012, , 401-443.		0