Yanjie Bai

List of Publications by Year
in descending order

13	552	1040056 9	1199594 12
papers	citations	h-index	g-index

13	13	13	674
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Dietary Fiber and Metabolic Syndrome: A Meta-Analysis and Review of Related Mechanisms. Nutrients, 2018, 10, 24.	4.1	120
2	Structure and preparation of octenyl succinic esters of granular starch, microporous starch and soluble maltodextrin. Carbohydrate Polymers, 2011, 83, 520-527.	10.2	113
3	Study of octenyl succinic anhydride-modified waxy maize starch by nuclear magnetic resonance spectroscopy. Carbohydrate Polymers, 2011, 83, 407-413.	10.2	99
4	Structural Changes from Native Waxy Maize Starch Granules to Cold-Water-Soluble Pyrodextrin during Thermal Treatment. Journal of Agricultural and Food Chemistry, 2014, 62, 4186-4194.	5.2	48
5	Chemical structures in pyrodextrin determined by nuclear magnetic resonance spectroscopy. Carbohydrate Polymers, 2016, 151, 426-433.	10.2	41
6	Structure of pyrodextrin in relation to its retrogradation properties. Food Chemistry, 2018, 242, 169-173.	8.2	37
7	Strontiumâ€“calcium phosphate hybrid cement with enhanced osteogenic and angiogenic properties for vascularised bone regeneration. Journal of Materials Chemistry B, 2021, 9, 5982-5997.	5.8	33
8	Enhancing effects of radiopaque agent BaSO4 on mechanical and biocompatibility properties of injectable calcium phosphate composite cement. Materials Science and Engineering C, 2020, 116, 110904.	7.3	21
9	Effects of reaction condition on glycosidic linkage structure, physicalâ€“chemical properties and in vitro digestibility of pyrodextrins prepared from native waxy maize starch. Food Chemistry, 2020, 320, 126491.	8.2	21
10	Calcium phosphateâ€based composite cement: Impact of starch type and starch pregelatinization on its physicochemical properties and performance in the vertebral fracture surgical models in vitro. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2021, 109, 2068-2078.	3.4	8
11	A multi-functional SiO₃^{2â^'}-releasing hydrogel with bioinspired mechanical properties and biodegradability for vascularized skeletal muscle regeneration. Journal of Materials Chemistry B, 2022, 10, 7540-7555.	5.8	6
12	Dietary Fiber: Chemistry, Structure, and Properties. Journal of Chemistry, 2018, 2018, 1-2.	1.9	4
13	Animal Models of Femur Head Necrosis for Tissue Engineering and Biomaterials Research. Tissue Engineering - Part C: Methods, 2022, , .	2.1	1