

# Yanjie Bai

## List of Publications by Year in descending order

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13  
papers

552  
citations

1040056

9  
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1199594

12  
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docs citations

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times ranked

674  
citing authors

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