

Jiaojiao Yang

List of Publications by Year in descending order

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36
papers

1,045
citations

516561

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434063

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36
times ranked

1038
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydroxyapatite-anchored dendrimer for in situ remineralization of human tooth enamel. <i>Biomaterials</i> , 2013, 34, 5036-5047.	5.7	158
2	Bioinspired intrafibrillar mineralization of human dentine by PAMAM dendrimer. <i>Biomaterials</i> , 2013, 34, 6738-6747.	5.7	122
3	A Highly Stretchable, Real-Time Self-Healable Hydrogel Adhesive Matrix for Tissue Patches and Flexible Electronics. <i>Advanced Healthcare Materials</i> , 2020, 9, e1901423.	3.9	89
4	Multiaarm cationic star polymers by atom transfer radical polymerization from β -cyclodextrin cores: Influence of arm number and length on gene delivery. <i>Acta Biomaterialia</i> , 2013, 9, 4726-4733.	4.1	68
5	Modulated regeneration of acid-etched human tooth enamel by a functionalized dendrimer that is an analog of amelogenin. <i>Acta Biomaterialia</i> , 2014, 10, 4437-4446.	4.1	67
6	Triclosan-loaded poly(amido amine) dendrimer for simultaneous treatment and remineralization of human dentine. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 115, 237-243.	2.5	52
7	Effective dentin restorative material based on phosphate-terminated dendrimer as artificial protein. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 128, 304-314.	2.5	46
8	Remineralization of Demineralized Dentin Induced by Amine-Terminated PAMAM Dendrimer. <i>Macromolecular Materials and Engineering</i> , 2015, 300, 107-117.	1.7	44
9	Remineralization effectiveness of the PAMAM dendrimer with different terminal groups on artificial initial enamel caries in vitro. <i>Dental Materials</i> , 2020, 36, 210-220.	1.6	28
10	Electrochemically Active, Compressible, and Conducting Silk Fibroin Hydrogels. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 9310-9317.	1.8	27
11	An instant, repeatable and universal supramolecular adhesive based on natural small molecules for dry/wet environments. <i>Chemical Engineering Journal</i> , 2022, 442, 136206.	6.6	25
12	Staged self-assembly of PAMAM dendrimers into macroscopic aggregates with a microribbon structure similar to that of amelogenin. <i>Soft Matter</i> , 2013, 9, 7553.	1.2	24
13	Two-in-one strategy: a remineralizing and anti-adhesive coating against demineralized enamel. <i>International Journal of Oral Science</i> , 2020, 12, 27.	3.6	24
14	A mussel-inspired wet-adhesion hydrogel with hemostasis and local anti-inflammation for managing the development of acute wounds. <i>Materials and Design</i> , 2022, 213, 110347.	3.3	24
15	Preparation and characterisation of a gellan gum-based hydrogel enabling osteogenesis and inhibiting <i>Enterococcus faecalis</i> . <i>International Journal of Biological Macromolecules</i> , 2020, 165, 2964-2973.	3.6	23
16	Enhanced release of poorly water-soluble drugs from synergy between mesoporous magnesium carbonate and polymers. <i>International Journal of Pharmaceutics</i> , 2017, 525, 183-190.	2.6	18
17	A facile strategy to construct silk fibroin based GTR membranes with appropriate mechanical performance and enhanced osteogenic capacity. <i>Journal of Materials Chemistry B</i> , 2020, 8, 10407-10415.	2.9	18
18	A novel anticaries agent, honokiol-loaded poly(amido amine) dendrimer, for simultaneous long-term antibacterial treatment and remineralization of demineralized enamel. <i>Dental Materials</i> , 2021, 37, 1337-1349.	1.6	16

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19	A Stable Cell Membrane-Based Coating with Antibiofouling and Macrophage Immunoregulatory Properties for Implants at the Macroscopic Level. <i>Chemistry of Materials</i> , 2021, 33, 7994-8006.	3.2	15
20	Fibroblast membrane-camouflaged nanoparticles for inflammation treatment in the early stage. <i>International Journal of Oral Science</i> , 2021, 13, 39.	3.6	15
21	Synthesis and characterization of amorphous magnesium carbonate nanoparticles. <i>Materials Chemistry and Physics</i> , 2019, 224, 301-307.	2.0	13
22	Remineralization effectiveness of adhesive containing amorphous calcium phosphate nanoparticles on artificial initial enamel caries in a biofilm-challenged environment. <i>Clinical Oral Investigations</i> , 2021, 25, 5375-5390.	1.4	13
23	An injectable gellan gum-based hydrogel that inhibits <i>Staphylococcus aureus</i> for infected bone defect repair. <i>Journal of Materials Chemistry B</i> , 2022, 10, 282-292.	2.9	13
24	A silk fibroin based bioadhesive with synergistic photothermal-reinforced antibacterial activity. <i>International Journal of Biological Macromolecules</i> , 2022, 209, 608-617.	3.6	13
25	Adhesion of <i>Streptococcus mutans</i> on remineralized enamel surface induced by poly(amido amine) dendrimers. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 197, 111409.	2.5	12
26	Mussel-inspired self-assembly engineered implant coatings for synergistic anti-infection and osteogenesis acceleration. <i>Journal of Materials Chemistry B</i> , 2021, 9, 8501-8511.	2.9	12
27	Effect of chlorhexidine-loaded poly(amido amine) dendrimer on matrix metalloproteinase activities and remineralization in etched human dentin in vitro. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2021, 121, 104625.	1.5	11
28	Amorphous magnesium carbonate nanoparticles with strong stabilizing capability for amorphous ibuprofen. <i>International Journal of Pharmaceutics</i> , 2018, 548, 515-521.	2.6	10
29	Multifunctional Polymer-Free Mineral Plastic Adhesives Formed by Multiple Noncovalent Bonds. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 7403-7410.	4.0	9
30	In Situ Synchrotron X-ray Diffraction Analysis of the Setting Process of Brushite Cement: Reaction and Crystal Growth. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 36392-36399.	4.0	8
31	Evaluation of the ability of adhesives with antibacterial and remineralization functions to prevent secondary caries in vivo. <i>Clinical Oral Investigations</i> , 2022, 26, 3637-3650.	1.4	7
32	Calcium carbonate deposition on layer-by-layer systems assembled from star polymers. <i>Journal of Polymer Research</i> , 2013, 20, 1.	1.2	5
33	Remineralization of dentine tubules induced by phosphate-terminated PAMAM dendrimers. <i>Heliyon</i> , 2020, 6, e05886.	1.4	5
34	Dental Materials for Oral Microbiota Dysbiosis: An Update. <i>Frontiers in Cellular and Infection Microbiology</i> , 0, 12, .	1.8	5
35	A facile strategy to modulate the fluorescent properties of star polymers by varying the arm numbers. <i>Journal of Polymer Research</i> , 2012, 19, 1.	1.2	3
36	Enhanced UV protection and water adsorption properties of transparent poly(methyl methacrylate) films through incorporation of amorphous magnesium carbonate nanoparticles. <i>Journal of Polymer Research</i> , 2021, 28, 1.	1.2	3