

# Qichao Ruan

## List of Publications by Year in descending order

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16  
papers

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citations

687363

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#	ARTICLE	IF	CITATIONS
1	Amelogenin and enamel biomimetics. <i>Journal of Materials Chemistry B</i> , 2015, 3, 3112-3129.	5.8	130
2	An amelogenin-chitosan matrix promotes assembly of an enamel-like layer with a dense interface. <i>Acta Biomaterialia</i> , 2013, 9, 7289-7297.	8.3	113
3	Smart Hydrogels Co-switched by Hydrogen Bonds and $\pi$ - $\pi$ Stacking for Continuously Regulated Controlled-Release System. <i>Advanced Functional Materials</i> , 2010, 20, 669-676.	14.9	65
4	Peptide-Based Bioinspired Approach to Regrowing Multilayered Aprismatic Enamel. <i>ACS Omega</i> , 2018, 3, 2546-2557.	3.5	53
5	Microstructures and tribological properties of plasma sprayed WC-Co-Cu-BaF <sub>2</sub> /CaF <sub>2</sub> self-lubricating wear resistant coatings. <i>Applied Surface Science</i> , 2010, 256, 4938-4944.	6.1	52
6	Matrix metalloproteinase-20 mediates dental enamel biomineralization by preventing protein occlusion inside apatite crystals. <i>Biomaterials</i> , 2016, 75, 260-270.	11.4	46
7	Repairing human tooth enamel with leucine-rich amelogenin peptide-chitosan hydrogel. <i>Journal of Materials Research</i> , 2016, 31, 556-563.	2.6	45
8	Efficacy of amelogenin-chitosan hydrogel in biomimetic repair of human enamel in pH-cycling systems. <i>Journal of Biomedical Engineering and Informatics</i> , 2015, 2, 119.	0.2	36
9	Amelogenin-chitosan matrix for human enamel regrowth: effects of viscosity and supersaturation degree. <i>Connective Tissue Research</i> , 2014, 55, 150-154.	2.3	35
10	Biomacromolecule and Surfactant Complex Matrix for Oriented Stack of 2-Dimensional Carbonated Hydroxyapatite Nanosheets as Alignment in Calcified Tissues. <i>Crystal Growth and Design</i> , 2010, 10, 1492-1499.	3.0	25
11	Improvement in tribological properties of atmospheric plasma-sprayed WC-Co coating followed by Cu electrochemical impregnation. <i>Applied Surface Science</i> , 2009, 255, 7959-7965.	6.1	24
12	Development of Amelogenin-chitosan Hydrogel for <i>In Vitro</i> Enamel Regrowth with a Dense Interface. <i>Journal of Visualized Experiments</i> , 2014, , .	0.3	23
13	Assembly of Layered Monetite-Chitosan Nanocomposite and Its Transition to Organized Hydroxyapatite. <i>ACS Biomaterials Science and Engineering</i> , 2016, 2, 1049-1058.	5.2	19
14	Amelogenin Affects Brushite Crystal Morphology and Promotes Its Phase Transformation to Monetite. <i>Crystal Growth and Design</i> , 2016, 16, 4981-4990.	3.0	11
15	Macromolecules on nano-outlets responding to electric field and pH for dual-mode drug delivery. <i>Journal of Materials Chemistry B</i> , 2013, 1, 1579.	5.8	7
16	Peptide-Mediated Biomimetic Regrowth of Human Enamel In Situ. <i>Methods in Molecular Biology</i> , 2019, 1922, 129-138.	0.9	6