

Xingyu Chen

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

1,782
citations

257450

24
h-index

276875

41
g-index

45
all docs

45
docs citations

45
times ranked

1889
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydroxyapatite-anchored dendrimer for in situ remineralization of human tooth enamel. <i>Biomaterials</i> , 2013, 34, 5036-5047.	11.4	158
2	Biomimetic Nanoerythroosomeâ€Coated Aptamerâ€DNA Tetrahedron/Maytansine Conjugates: pHâ€Responsive and Targeted Cytotoxicity for HER2â€Positive Breast Cancer. <i>Advanced Materials</i> , 2022, 34, e2109609.	21.0	158
3	Controlled insulin release from glucose-sensitive self-assembled multilayer films based on 21-arm star polymer. <i>Biomaterials</i> , 2011, 32, 1759-1766.	11.4	129
4	Bioinspired intrafibrillar mineralization of human dentine by PAMAM dendrimer. <i>Biomaterials</i> , 2013, 34, 6738-6747.	11.4	122
5	Tetrahedral Framework Nucleic Acids Deliver Antimicrobial Peptides with Improved Effects and Less Susceptibility to Bacterial Degradation. <i>Nano Letters</i> , 2020, 20, 3602-3610.	9.1	82
6	A Lysosomeâ€Activated Tetrahedral Nanobox for Encapsulated siRNA Delivery. <i>Advanced Materials</i> , 2022, 34, e2201731.	21.0	79
7	Super long-term glycemic control in diabetic rats by glucose-sensitive LbL films constructed of supramolecular insulin assembly. <i>Biomaterials</i> , 2012, 33, 8733-8742.	11.4	71
8	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.	8.3	67
9	C2/C4 Regioselective Heteroarylation of Indoles by Tuning Câ€H Metalation Modes. <i>ACS Catalysis</i> , 2019, 9, 6372-6379.	11.2	62
10	Choline phosphate functionalized surface: protein-resistant but cell-adhesive zwitterionic surface potential for tissue engineering. <i>Chemical Communications</i> , 2015, 51, 487-490.	4.1	56
11	Zwitterionic PMCPâ€Modified Polycaprolactone Surface for Tissue Engineering: Antifouling, Cell Adhesion Promotion, and Osteogenic Differentiation Properties. <i>Small</i> , 2019, 15, e1903784.	10.0	52
12	A natural polymer based bioadhesive with self-healing behavior and improved antibacterial properties. <i>Biomaterials Science</i> , 2020, 8, 4346-4357.	5.4	49
13	Effective dentin restorative material based on phosphate-terminated dendrimer as artificial protein. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 128, 304-314.	5.0	46
14	Bioinspired by cell membranes: functional polymeric materials for biomedical applications. <i>Materials Chemistry Frontiers</i> , 2020, 4, 750-774.	5.9	45
15	Natural protein bioinspired materials for regeneration of hard tissues. <i>Journal of Materials Chemistry B</i> , 2020, 8, 2199-2215.	5.8	43
16	The influence of arrangement sequence on the glucose-responsive controlled release profiles of insulin-incorporated LbL films. <i>Acta Biomaterialia</i> , 2012, 8, 4380-4388.	8.3	41
17	Cascade Câ€H Annulation Reaction of Benzaldehydes, Anilines, and Alkynes toward Dibenzo[<i>a</i> , <i>f</i>]quinolizinium Salts: Discovery of Photostable Mitochondrial Trackers at the Nanomolar Level. <i>Organic Letters</i> , 2018, 20, 7071-7075.	4.6	40
18	Effect of Molecular Weight and Arm Number on the Growth and pH-Dependent Morphology of Star Poly[2-(dimethylamino)ethyl methacrylate]/Poly(styrenesulfonate) Multilayer Films. <i>Macromolecules</i> , 2010, 43, 9087-9093.	4.8	39

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19	Pd-Catalyzed Direct C-H Functionalization/Annulation of BODIPYs with Alkynes to Access Unsymmetrical Benzo[<i>b</i>]-Fused BODIPYs: Discovery of Lysosome-Targeted Turn-On Fluorescent Probes. <i>Journal of Organic Chemistry</i> , 2018, 83, 9538-9546.	3.2	38
20	Treating LRRK2-Related Parkinson's Disease by Inhibiting the mTOR Signaling Pathway to Restore Autophagy. <i>Advanced Functional Materials</i> , 2021, 31, 2105152.	14.9	37
21	Selenium-substituted hydroxyapatite particles with regulated microstructures for osteogenic differentiation and anti-tumor effects. <i>Ceramics International</i> , 2019, 45, 13787-13798.	4.8	28
22	Polyvinyl alcohol/chitosan composite hydrogels with sustained release of traditional Tibetan medicine for promoting chronic diabetic wound healing. <i>Biomaterials Science</i> , 2021, 9, 3821-3829.	5.4	28
23	Substrate-anchored and degradation-sensitive anti-inflammatory coatings for implant materials. <i>Scientific Reports</i> , 2015, 5, 11105.	3.3	27
24	Multifunctional Biomedical Materials Derived from Biological Membranes. <i>Advanced Materials</i> , 2022, 34, e2107406.	21.0	26
25	Multifunctional hydrogels based on β -cyclodextrin with both biomineralization and anti-inflammatory properties. <i>Carbohydrate Polymers</i> , 2014, 102, 869-876.	10.2	25
26	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.	2.7	24
27	Zwitterionic choline phosphate functionalized chitosan with antibacterial property and superior water solubility. <i>European Polymer Journal</i> , 2020, 134, 109821.	5.4	23
28	A zwitterionic surface with general cell-adhesive and protein-resistant properties. <i>RSC Advances</i> , 2015, 5, 76216-76220.	3.6	22
29	Multilayer Choline Phosphate Molecule Modified Surface with Enhanced Cell Adhesion but Resistance to Protein Adsorption. <i>Langmuir</i> , 2017, 33, 8295-8301.	3.5	20
30	Switchable cascade C-H annulation to polycyclic pyryliums and pyridiniums: discovering mitochondria-targeting fluorescent probes. <i>Chemical Communications</i> , 2020, 56, 15080-15083.	4.1	17
31	Functional zwitterionic biomaterials for administration of insulin. <i>Biomaterials Science</i> , 2020, 8, 4906-4919.	5.4	17
32	Zwitterionic PMCP-functionalized titanium surface resists protein adsorption, promotes cell adhesion, and enhances osteogenic activity. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 206, 111928.	5.0	15
33	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.	6.7	15
34	Preventive effect of tetrahedral framework nucleic acids on bisphosphonate-related osteonecrosis of the jaw. <i>Nanoscale</i> , 2020, 12, 17196-17202.	5.6	12
35	Cascade Oxidative C-H Annulation of Thiophenes: Heck-Type Pathway Enables Concise Access to Thienoacenes. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 12371-12375.	13.8	12
36	Modulated insulin release from glucose-sensitive multilayer films. <i>Journal of Controlled Release</i> , 2011, 152, e152-e154.	9.9	11

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37	Poly[2-(methacryloyloxy)ethyl choline phosphate] functionalized polylactic acid film with improved degradation resistance both in vitro and in vivo. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 185, 110630.	5.0	9
38	Application of Programmable Tetrahedral Framework Nucleic Acid-Based Nanomaterials in Neurological Disorders: Progress and Prospects. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 782237.	4.1	6
39	Zwitterionic choline phosphate conjugated folate-poly (ethylene glycol): a general decoration of erythrocyte membrane-coated nanoparticles for enhanced tumor-targeting drug delivery. <i>Journal of Materials Chemistry B</i> , 2022, 10, 2497-2503.	5.8	6
40	Positive Neuroplastic Effect of DNA Framework Nucleic Acids on Neuropsychiatric Diseases. , 2022, 4, 665-674.		6
41	PLGA Cage-like Structures Loaded with Sr/Mg-doped Hydroxyapatite for Repairing Osteoporotic Bone Defects. <i>Macromolecular Bioscience</i> , 0, , 2200092.	4.1	6
42	Calcium carbonate deposition on layer-by-layer systems assembled from star polymers. <i>Journal of Polymer Research</i> , 2013, 20, 1.	2.4	5
43	Polylactic acid film surface functionalized by zwitterionic poly[2-(methacryloyloxy)ethyl choline phosphate] with improved biocompatibility. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 214, 112461.	5.0	5
44	Cell-Membrane-Targeted Drug Delivery System Based on Choline-Phosphate-Functionalized β -Cyclodextrin. <i>Macromolecular Bioscience</i> , 2020, 20, e2000069.	4.1	3
45	Cascade Oxidative C-H Annulation of Thiophenes: Heck-Type Pathway Enables Concise Access to Thienoacenes. <i>Angewandte Chemie</i> , 2021, 133, 12479-12483.	2.0	0