

Fei Yang

List of Publications by Year in descending order

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63
papers

3,401
citations

126907

33
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docs citations

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times ranked

4902
citing authors

#	ARTICLE	IF	CITATIONS
1	A Universal Soaking Strategy to Convert Composite Hydrogels into Extremely Tough and Rapidly Recoverable Double- α -Network Hydrogels. <i>Advanced Materials</i> , 2016, 28, 7178-7184.	21.0	492
2	Tetra- α -PEG Based Hydrogel Sealants for In Vivo Visceral Hemostasis. <i>Advanced Materials</i> , 2019, 31, e1901580.	21.0	208
3	Synthesis and Properties of Hemostatic and Bacteria-Responsive in Situ Hydrogels for Emergency Treatment in Critical Situations. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 12674-12683.	8.0	168
4	Construction of a controlled-release delivery system for pesticides using biodegradable PLA-based microcapsules. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 144, 38-45.	5.0	163
5	Manufacturing and morphology structure of polylactide-type microtubules orientation-structured scaffolds. <i>Biomaterials</i> , 2006, 27, 4923-4933.	11.4	127
6	Fabrication of pH-Responsive Nanoparticles with an AIE Feature for Imaging Intracellular Drug Delivery. <i>Biomacromolecules</i> , 2016, 17, 2920-2929.	5.4	111
7	The effect of composition of calcium phosphate composite scaffolds on the formation of tooth tissue from human dental pulp stem cells. <i>Biomaterials</i> , 2011, 32, 7053-7059.	11.4	109
8	Facile Construction of pH- and Redox-Responsive Micelles from a Biodegradable Poly(β -hydroxyl amine) for Drug Delivery. <i>Biomacromolecules</i> , 2016, 17, 291-300.	5.4	86
9	Preparation of uniform starch microcapsules by premix membrane emulsion for controlled release of avermectin. <i>Carbohydrate Polymers</i> , 2016, 136, 341-349.	10.2	84
10	An injectable scaffold: rhBMP-2-loaded poly(lactide-co-glycolide)/hydroxyapatite composite microspheres. <i>Acta Biomaterialia</i> , 2010, 6, 455-465.	8.3	80
11	Orchestrated biomechanical, structural, and biochemical stimuli for engineering anisotropic meniscus. <i>Science Translational Medicine</i> , 2019, 11, .	12.4	79
12	Poly(l,l-lactide-co-glycolide)/tricalcium phosphate composite scaffold and its various changes during degradation in vitro. <i>Polymer Degradation and Stability</i> , 2006, 91, 3065-3073.	5.8	74
13	Acetal-linked PEGylated paclitaxel prodrugs forming free-paclitaxel-loaded pH-responsive micelles with high drug loading capacity and improved drug delivery. <i>Materials Science and Engineering C</i> , 2018, 82, 60-68.	7.3	72
14	An Injectable and Instant Self-Healing Medical Adhesive for Wound Sealing. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 9132-9140.	8.0	72
15	Isoniazid conjugated poly(lactide-co-glycolide): Long-term controlled drug release and tissue regeneration for bone tuberculosis therapy. <i>Biomaterials</i> , 2015, 52, 417-425.	11.4	71
16	Construction of Tough, in Situ Forming Double-Network Hydrogels with Good Biocompatibility. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 2205-2212.	8.0	66
17	Microcapsule-embedded hydrogel patches for ultrasound responsive and enhanced transdermal delivery of diclofenac sodium. <i>Journal of Materials Chemistry B</i> , 2019, 7, 2330-2337.	5.8	66
18	Fabrication of multi-stimuli responsive supramolecular hydrogels based on host-guest inclusion complexation of a tadpole-shaped cyclodextrin derivative with the azobenzene dimer. <i>Polymer Chemistry</i> , 2017, 8, 3901-3909.	3.9	60

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19	Ionic Colloidal Molding as a Biomimetic Scaffolding Strategy for Uniform Bone Tissue Regeneration. <i>Advanced Materials</i> , 2017, 29, 1605546.	21.0	55
20	The immobilization of antibiotic-loaded polymeric coatings on osteoarticular Ti implants for the prevention of bone infections. <i>Biomaterials Science</i> , 2017, 5, 2337-2346.	5.4	55
21	Controlled cross-linking strategy: from hybrid hydrogels to nanoparticle macroscopic aggregates. <i>Polymer Chemistry</i> , 2013, 4, 4596.	3.9	54
22	Development of a Chlorantraniliprole Microcapsule Formulation with a High Loading Content and Controlled-Release Property. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 6561-6568.	5.2	54
23	A dramatic concentration effect on the stereoselectivity of N-glycosylation for the synthesis of 2- ^{deoxy} - ^{ribo} nucleosides. <i>Chemical Communications</i> , 2012, 48, 7097.	4.1	51
24	POSS dendrimers constructed from a 1 ⁷ branching monomer. <i>Chemical Communications</i> , 2014, 50, 6126.	4.1	51
25	Fabrication of zwitterionic and pH-responsive polyacetal dendrimers for anticancer drug delivery. <i>Biomaterials Science</i> , 2019, 7, 3238-3248.	5.4	45
26	Mesenchymal stem cells attenuated PLGA-induced inflammatory responses by inhibiting host DC maturation and function. <i>Biomaterials</i> , 2015, 53, 688-698.	11.4	44
27	Uniform PEGylated PLGA Microcapsules with Embedded Fe ₃ O ₄ Nanoparticles for US/MR Dual-Modality Imaging. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 20460-20468.	8.0	44
28	Effects of HAp and TCP in constructing tissue engineering scaffolds for bone repair. <i>Journal of Materials Chemistry B</i> , 2017, 5, 6110-6118.	5.8	43
29	Influence of Surface Chemistry on Adhesion and Osteo/Odontogenic Differentiation of Dental Pulp Stem Cells. <i>ACS Biomaterials Science and Engineering</i> , 2017, 3, 1119-1128.	5.2	42
30	Controlled Formation of Microgels/Nanogels from a Disulfide-Linked Core/Shell Hyperbranched Polymer. <i>ACS Macro Letters</i> , 2012, 1, 1295-1299.	4.8	39
31	Modified composite microspheres of hydroxyapatite and poly(lactide-co-glycolide) as an injectable scaffold. <i>Applied Surface Science</i> , 2014, 292, 764-772.	6.1	37
32	Fabrication of uniform sized polylactone microcapsules by premix membrane emulsification for ultrasound imaging. <i>Polymer Chemistry</i> , 2014, 5, 1693-1701.	3.9	36
33	Inhibitory effect of superhydrophobicity on silver release and antibacterial properties of superhydrophobic Ag/TiO ₂ nanotubes. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2016, 104, 1004-1012.	3.4	34
34	Facile synthesis and self-assembly behaviour of pH-responsive degradable polyacetal dendrimers. <i>Polymer Chemistry</i> , 2016, 7, 6154-6158.	3.9	34
35	Radial shockwave treatment promotes human mesenchymal stem cell self-renewal and enhances cartilage healing. <i>Stem Cell Research and Therapy</i> , 2018, 9, 54.	5.5	34
36	Charge-reversible and pH-responsive biodegradable micelles and vesicles from linear-dendritic supramolecular amphiphiles for anticancer drug delivery. <i>Polymer Chemistry</i> , 2017, 8, 6675-6687.	3.9	32

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37	UV-triggered thiol-disulfide exchange reaction towards tailored biodegradable hydrogels. <i>Polymer Chemistry</i> , 2016, 7, 1429-1438.	3.9	31
38	pH-triggered decomposition of polymeric fluorescent vesicles to induce growth of tetraphenylethylene nanoparticles for long-term live cell imaging. <i>Polymer</i> , 2017, 118, 75-84.	3.8	31
39	Osteogenesis effects of magnetic nanoparticles modified-porous scaffolds for the reconstruction of bone defect after bone tumor resection. <i>International Journal of Energy Production and Management</i> , 2019, 6, 373-381.	3.7	31
40	Facile preparation of pH-responsive AIE-active POSS dendrimers for the detection of trivalent metal cations and acid gases. <i>Polymer Chemistry</i> , 2016, 7, 6432-6436.	3.9	28
41	Effect of Topological Structures on the Self-Assembly Behavior of Supramolecular Amphiphiles. <i>Langmuir</i> , 2015, 31, 13834-13841.	3.5	27
42	Facile Strategy on Hydrophilic Modification of Poly(μ -caprolactone) Scaffolds for Assisting Tissue-Engineered Meniscus Constructs In Vitro. <i>Frontiers in Pharmacology</i> , 2020, 11, 471.	3.5	26
43	POSS-embedded supramolecular hyperbranched polymers constructed from a 7 branching monomer with controllable morphology transitions. <i>Science China Chemistry</i> , 2018, 61, 311-318.	8.2	24
44	Multifunctional microcapsules: A theranostic agent for US/MR/PAT multi-modality imaging and synergistic chemo-photothermal osteosarcoma therapy. <i>Bioactive Materials</i> , 2022, 7, 453-465.	15.6	24
45	Formulation of pH-responsive PEGylated nanoparticles with high drug loading capacity and programmable drug release for enhanced antibacterial activity. <i>Bioactive Materials</i> , 2022, 16, 47-56.	15.6	24
46	Synergistic therapy of magnetism-responsive hydrogel for soft tissue injuries. <i>Bioactive Materials</i> , 2019, 4, 160-166.	15.6	23
47	Dopamine-assisted fixation of drug-loaded polymeric multilayers to osteoarticular implants for tuberculosis therapy. <i>Biomaterials Science</i> , 2017, 5, 730-740.	5.4	22
48	POSS-modified PEG adhesives for wound closure. <i>Chinese Journal of Polymer Science (English)</i> 10, 18, 50-302	3.8	18
49	Synergistic control of dual cross-linking strategy toward tailor-made hydrogels. <i>Science China Chemistry</i> , 2020, 63, 1793-1798.	8.2	18
50	In vitro and in vivo drug release behavior and osteogenic potential of a composite scaffold based on poly(μ -caprolactone)-block-poly(lactic-co-glycolic acid) and β -tricalcium phosphate. <i>Journal of Materials Chemistry B</i> , 2015, 3, 6885-6896.	5.8	17
51	Synthesis of raphanuside, an unusual oxathiane-fused thioglucoside isolated from the seeds of <i>Raphanus sativus</i> L.. <i>Carbohydrate Research</i> , 2010, 345, 309-314.	2.3	14
52	Synthesis and characterization of PLGA nanoparticle/4-arm-PEG hybrid hydrogels with controlled porous structures. <i>RSC Advances</i> , 2016, 6, 53804-53812.	3.6	14
53	Comparison of microstructural and mechanical properties of trabeculae in femoral head from osteoporosis patients with and without cartilage lesions: a case-control study. <i>BMC Musculoskeletal Disorders</i> , 2015, 16, 72.	1.9	10
54	Influence of Apatite Crystallinity in Porous PLGA/Apatite Composite Scaffold on Cortical Bone Response. <i>Journal of Hard Tissue Biology</i> , 2009, 18, 7-12.	0.4	10

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55	Construction of versatile multilayered composite nanoparticles from a customized nanogel template. <i>Bioactive Materials</i> , 2018, 3, 87-96.	15.6	9
56	Bioinspired self-degradable hydrogels towards wound sealing. <i>Biomaterials Science</i> , 2021, 9, 3645-3649.	5.4	6
57	Phase separation of polyphosphazene/poly(lactide- <i>co</i> -glycolide) blends prepared under different conditions. <i>Polymers for Advanced Technologies</i> , 2011, 22, 2448-2457.	3.2	5
58	Orchestrated cellular, biochemical, and biomechanical optimizations endow platelet-rich plasma-based engineered cartilage with structural and biomechanical recovery. <i>Bioactive Materials</i> , 2021, 6, 3824-3838.	15.6	5
59	A double-network hydrogel for the dynamic compression of the lumbar nerve root. <i>Neural Regeneration Research</i> , 2020, 15, 1724.	3.0	4
60	Engineering a favourable osteogenic microenvironment by heparin mediated hybrid coating assembly and rhBMP-2 loading. <i>RSC Advances</i> , 2017, 7, 11439-11447.	3.6	3
61	Cortical Bone Response Towards Porous Composites of PLGA and Apatite Prepared from Calcium Complexes. <i>Journal of Hard Tissue Biology</i> , 2012, 21, 345-350.	0.4	3
62	Controlled cross-linking strategy for formation of hydrogels, microgels and nanogels. <i>Journal of Controlled Release</i> , 2015, 213, e25.	9.9	2
63	An abluminal biodegradable polymer sirolimus-eluting stent versus a durable polymer everolimus-eluting stent in patients undergoing coronary revascularization: 3-year clinical outcomes of a randomized non-inferiority trial. <i>Scientific Reports</i> , 2019, 9, 18549.	3.3	0