

Hu Yang

List of Publications by Year in descending order

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94
papers

3,989
citations

94433

37
h-index

133252

59
g-index

97
all docs

97
docs citations

97
times ranked

5798
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanoparticle-Mediated Brain-Specific Drug Delivery, Imaging, and Diagnosis. <i>Pharmaceutical Research</i> , 2010, 27, 1759-1771.	3.5	197
2	Hybrid Dendrimer Hydrogel/PLGA Nanoparticle Platform Sustains Drug Delivery for One Week and Antiglaucoma Effects for Four Days Following One-Time Topical Administration. <i>ACS Nano</i> , 2012, 6, 7595-7606.	14.6	180
3	Polyethylene glycolâ€“polyamidoamine dendritic micelle as solubility enhancer and the effect of the length of polyethylene glycol arms on the solubility of pyrene in water. <i>Journal of Colloid and Interface Science</i> , 2004, 273, 148-154.	9.4	166
4	Dendrimers for pharmaceutical and biomedical applications. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2006, 17, 3-19.	3.5	164
5	Penicillin V-conjugated PEG-PAMAM star polymers. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2003, 14, 1043-1056.	3.5	132
6	Polysaccharide Fabrication Platforms and Biocompatibility Assessment as Candidate Wound Dressing Materials. <i>Bioengineering</i> , 2017, 4, 1.	3.5	128
7	Polyamidoamine dendrimer hydrogel for enhanced delivery of antiglaucoma drugs. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2012, 8, 776-783.	3.3	118
8	Cholangiocyteâ€“derived exosomal long noncoding RNA H19 promotes cholestatic liver injury in mouse and humans. <i>Hepatology</i> , 2018, 68, 599-615.	7.3	115
9	Leutosome: A Biomimetic Nanoplatform Integrating Plasma Membrane Components of Leukocytes and Tumor Cells for Remarkably Enhanced Solid Tumor Homing. <i>Nano Letters</i> , 2018, 18, 6164-6174.	9.1	111
10	Hydrogel-based ocular drug delivery systems: Emerging fabrication strategies, applications, and bench-to bedside manufacturing considerations. <i>Journal of Controlled Release</i> , 2019, 306, 29-39.	9.9	97
11	Nanomaterial-mediated CNS delivery of diagnostic and therapeutic agents. <i>Advanced Drug Delivery Reviews</i> , 2012, 64, 605-613.	13.7	87
12	Folate-mediated chemotherapy and diagnostics: An updated review and outlook. <i>Journal of Controlled Release</i> , 2017, 252, 73-82.	9.9	85
13	PEGylated Polyamidoamine Dendrimers with Bis-Aryl Hydrazone Linkages for Enhanced Gene Delivery. <i>Biomacromolecules</i> , 2010, 11, 1940-1947.	5.4	81
14	Electrospun Blends of Gelatin and Gelatinâ€“Dendrimer Conjugates As a Wound-Dressing and Drug-Delivery Platform. <i>Biomacromolecules</i> , 2013, 14, 4038-4045.	5.4	80
15	Semi-interpenetrating network (sIPN) gelatin nanofiber scaffolds for oral mucosal drug delivery. <i>Acta Biomaterialia</i> , 2013, 9, 6576-6584.	8.3	77
16	Synthesis and Characterization of Photocurable Polyamidoamine Dendrimer Hydrogels as a Versatile Platform for Tissue Engineering and Drug Delivery. <i>Biomacromolecules</i> , 2010, 11, 666-673.	5.4	74
17	Stealth dendrimers for drug delivery: correlation between PEGylation, cytocompatibility, and drug payload. <i>Journal of Materials Science: Materials in Medicine</i> , 2008, 19, 1991-1997.	3.6	69
18	Targeted nanosystems: Advances in targeted dendrimers for cancer therapy. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2016, 12, 309-316.	3.3	66

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19	Fast Dissolving Dendrimer Nanofiber Mats as Alternative to Eye Drops for More Efficient Antiglaucoma Drug Delivery. <i>ACS Biomaterials Science and Engineering</i> , 2017, 3, 1861-1868.	5.2	64
20	Development of mannose functionalized dendrimeric nanoparticles for targeted delivery to macrophages: use of this platform to modulate atherosclerosis. <i>Translational Research</i> , 2018, 193, 13-30.	5.0	63
21	Extended release of a novel antidepressant, venlafaxine, based on anionic polyamidoamine dendrimers and poly(ethylene glycol)-containing semi-interpenetrating networks. <i>Journal of Biomedical Materials Research Part B</i> , 2005, 72A, 107-114.	3.1	59
22	Dendrimer-triglycine-EGF nanoparticles for tumor imaging and targeted nucleic acid and drug delivery. <i>Oral Oncology</i> , 2010, 46, 698-704.	1.5	56
23	In Situ-Forming Polyamidoamine Dendrimer Hydrogels with Tunable Properties Prepared via Aza-Michael Addition Reaction. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 10494-10503.	8.0	56
24	Drug-loaded chitosan film prepared via facile solution casting and air-drying of plain water-based chitosan solution for ocular drug delivery. <i>Bioactive Materials</i> , 2020, 5, 577-583.	15.6	53
25	Folic acid-decorated polyamidoamine dendrimer exhibits high tumor uptake and sustained highly localized retention in solid tumors: Its utility for local siRNA delivery. <i>Acta Biomaterialia</i> , 2017, 57, 251-261.	8.3	52
26	Dendrimers for ocular drug delivery. <i>Canadian Journal of Chemistry</i> , 2017, 95, 897-902.	1.1	51
27	Chitosan nanofibers for transbuccal insulin delivery. <i>Journal of Biomedical Materials Research - Part A</i> , 2017, 105, 1252-1259.	4.0	50
28	Bubble-generating polymersomes loaded with both indocyanine green and doxorubicin for effective chemotherapy combined with photothermal therapy. <i>Acta Biomaterialia</i> , 2018, 75, 386-397.	8.3	50
29	Co-delivery of LOX-1 siRNA and statin to endothelial cells and macrophages in the atherosclerotic lesions by a dual-targeting core-shell nanoplatfrom: A dual cell therapy to regress plaques. <i>Journal of Controlled Release</i> , 2018, 283, 241-260.	9.9	49
30	Synthesis and characterization of nanoscale dendritic RGD clusters for potential applications in tissue engineering and drug delivery. <i>International Journal of Nanomedicine</i> , 2007, 2, 89-99.	6.7	48
31	Thermoresponsive Gelatin/Monomethoxy Poly(Ethylene Glycol)-Poly(D,L-lactide) Hydrogels: Formulation, Characterization, and Antibacterial Drug Delivery. <i>Pharmaceutical Research</i> , 2006, 23, 205-214.	3.5	47
32	The effect of photoinitiators on intracellular AKT signaling pathway in tissue engineering application. <i>Biomaterials Science</i> , 2015, 3, 250-255.	5.4	46
33	Nanomedicines for dysfunctional macrophage-associated diseases. <i>Journal of Controlled Release</i> , 2017, 247, 106-126.	9.9	43
34	Encapsulation and Extended Release of Anti-Cancer Anastrozole by Stealth Nanoparticles. <i>Drug Delivery</i> , 2008, 15, 343-346.	5.7	41
35	Dynamically enhancing plaque targeting via a positive feedback loop using multifunctional biomimetic nanoparticles for plaque regression. <i>Journal of Controlled Release</i> , 2019, 308, 71-85.	9.9	41
36	Branched polyrotaxane hydrogels consisting of alpha-cyclodextrin and low-molecular-weight four-arm polyethylene glycol and the utility of their thixotropic property for controlled drug release. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 165, 144-149.	5.0	40

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37	Transbuccal Delivery of CNS Therapeutic Nanoparticles: Synthesis, Characterization, and In Vitro Permeation Studies. <i>ACS Chemical Neuroscience</i> , 2011, 2, 676-683.	3.5	38
38	Synthesis and characterization of thermoresponsive polyamidoamine-polyethylene glycol-poly(d,l-lactide) core-shell nanoparticles. <i>Acta Biomaterialia</i> , 2010, 6, 1131-1139.	8.3	37
39	Hybrid Dendrimer Hydrogel/Poly(Lactic-Co-Glycolic Acid) Nanoparticle Platform: An Advanced Vehicle for Topical Delivery of Antiglaucoma Drugs and a Likely Solution to Improving Compliance and Adherence in Glaucoma Management. <i>Journal of Ocular Pharmacology and Therapeutics</i> , 2013, 29, 166-172.	1.4	35
40	Semi-Interpenetrating Network (sIPN) Co-Electrospun Gelatin/Insulin Fiber Formulation for Transbuccal Insulin Delivery. <i>Pharmaceutical Research</i> , 2015, 32, 275-285.	3.5	33
41	Mildly Cross-Linked Dendrimer Hydrogel Prepared via Aza-Michael Addition Reaction for Topical Brimonidine Delivery. <i>Journal of Biomedical Nanotechnology</i> , 2017, 13, 1089-1096.	1.1	32
42	Revisiting p53 for cancer-specific chemo- and radiotherapy. <i>Cell Cycle</i> , 2014, 13, 710-713.	2.6	31
43	Click synthesis of a polyamidoamine dendrimer-based camptothecin prodrug. <i>RSC Advances</i> , 2015, 5, 58600-58608.	3.6	31
44	Folic acid-decorated polyamidoamine dendrimer mediates selective uptake and high expression of genes in head and neck cancer cells. <i>Nanomedicine</i> , 2016, 11, 2959-2973.	3.3	31
45	ATP-Responsive Low-Molecular-Weight Polyethylenimine-Based Supramolecular Assembly via Host-Guest Interaction for Gene Delivery. <i>Biomacromolecules</i> , 2019, 20, 478-489.	5.4	31
46	Synthesis and Application of Injectable Bioorthogonal Dendrimer Hydrogels for Local Drug Delivery. <i>ACS Biomaterials Science and Engineering</i> , 2017, 3, 1641-1653.	5.2	30
47	Polyamidoamine Dendrimer Microgels: Hierarchical Arrangement of Dendrimers into Micrometer Domains with Expanded Structural Features for Programmable Drug Delivery and Release. <i>Macromolecules</i> , 2018, 51, 6111-6118.	4.8	30
48	In vitro enzymatic stability of dendritic peptides. <i>Journal of Biomedical Materials Research - Part A</i> , 2006, 76A, 398-407.	4.0	29
49	Nanoparticle-based two-pronged approach to regress atherosclerosis by simultaneous modulation of cholesterol influx and efflux. <i>Biomaterials</i> , 2020, 260, 120333.	11.4	27
50	Nano-in-Nano dendrimer gel particles for efficient topical delivery of antiglaucoma drugs into the eye. <i>Chemical Engineering Journal</i> , 2021, 425, 130498.	12.7	27
51	Stealth dendrimers for antiarrhythmic quinidine delivery. <i>Journal of Materials Science: Materials in Medicine</i> , 2007, 18, 2061-2065.	3.6	26
52	Biomimetic Composite Scaffold Containing Small Intestinal Submucosa and Mesoporous Bioactive Glass Exhibits High Osteogenic and Angiogenic Capacity. <i>Tissue Engineering - Part A</i> , 2018, 24, 1044-1056.	3.1	26
53	DenTimol as A Dendrimeric Timolol Analogue for Glaucoma Therapy: Synthesis and Preliminary Efficacy and Safety Assessment. <i>Molecular Pharmaceutics</i> , 2018, 15, 2883-2889.	4.6	26
54	Synthesis of Water-Soluble Camptothecin-Polyoxetane Conjugates via Click Chemistry. <i>Molecular Pharmaceutics</i> , 2012, 9, 3403-3408.	4.6	25

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55	Bolstering cholesteryl ester hydrolysis in liver: A hepatocyte-targeting gene delivery strategy for potential alleviation of atherosclerosis. <i>Biomaterials</i> , 2017, 130, 1-13.	11.4	25
56	Synthesis of regioselectively acylated quercetin analogues with improved antiplatelet activity. <i>Molecular Medicine Reports</i> , 2017, 16, 9735-9740.	2.4	24
57	Click Hybridization of Immune Cells and Polyamidoamine Dendrimers. <i>Advanced Healthcare Materials</i> , 2014, 3, 1430-1438.	7.6	23
58	Drug-Conjugated Dendrimer Hydrogel Enables Sustained Drug Release via a Self-Cleaving Mechanism. <i>Molecular Pharmaceutics</i> , 2019, 16, 1874-1880.	4.6	23
59	Rapid Self-Assembly of Polymer Nanoparticles for Synergistic Codelivery of Paclitaxel and Lapatinib via Flash NanoPrecipitation. <i>Nanomaterials</i> , 2020, 10, 561.	4.1	22
60	Mineralization Potential of Electrospun PDO-Hydroxyapatite-Fibrinogen Blended Scaffolds. <i>International Journal of Biomaterials</i> , 2012, 2012, 1-12.	2.4	21
61	Evaluation of osteogenic inductivity of a novel BMP-mimicking peptide P28 and P28-containing bone composite. <i>Journal of Biomedical Materials Research - Part A</i> , 2018, 106, 210-220.	4.0	21
62	Ecofriendly Method to Dissolve Chitosan in Plain Water. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 6355-6360.	5.2	21
63	Reactive oxygen species (ROS)-responsive size-reducible nanoassemblies for deeper atherosclerotic plaque penetration and enhanced macrophage-targeted drug delivery. <i>Bioactive Materials</i> , 2023, 19, 115-126.	15.6	21
64	A pro-convulsive carbamazepine metabolite: Quinolinic acid in drug resistant epileptic human brain. <i>Neurobiology of Disease</i> , 2012, 46, 692-700.	4.4	20
65	Surface engineering of macrophages with nanoparticles to generate a cell-nanoparticle hybrid vehicle for hypoxia-targeted drug delivery. <i>International Journal of Nanomedicine</i> , 2010, 5, 25-36.	6.7	20
66	Synthesis and Characterization of Clickable Cytocompatible Poly(ethylene glycol)-Grafted Polyoxetane Brush Polymers. <i>Macromolecules</i> , 2013, 46, 63-71.	4.8	19
67	Superelastic and pH-Responsive Degradable Dendrimer Cryogels Prepared by Cryo-aza-Michael Addition Reaction. <i>Scientific Reports</i> , 2018, 8, 7155.	3.3	19
68	Continuous production of uniform chitosan beads as hemostatic dressings by a facile flow injection method. <i>Journal of Materials Chemistry B</i> , 2020, 8, 7941-7946.	5.8	19
69	Poly(ethylene glycol)-armed hyperbranched polyoxetanes for anticancer drug delivery. <i>Journal of Bioactive and Compatible Polymers</i> , 2012, 27, 525-539.	2.1	16
70	Injectable Multicomponent Biomimetic Gel Composed of Inter-Crosslinked Dendrimeric and Mesoporous Silica Nanoparticles Exhibits Highly Tunable Elasticity and Dual Drug Release Capacity. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 10202-10210.	8.0	16
71	Self-assembled block polymer aggregates in selective solution: controllable morphology transitions and their applications in drug delivery. <i>Expert Opinion on Drug Delivery</i> , 2020, 17, 947-961.	5.0	16
72	Electrospun gelatin-arabinosyl ferulate composite fibers for diabetic chronic wound dressing application. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2019, 68, 660-668.	3.4	14

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73	Polyamidoamine Dendrimer Grafted with an Acid-Responsive Charge-Reversal Layer for Improved Gene Delivery. <i>Biomacromolecules</i> , 2020, 21, 4008-4016.	5.4	13
74	Fabrication, characterization, and <i>in vitro</i> evaluation of silver-containing arabinoxylan foams as antimicrobial wound dressing. <i>Journal of Biomedical Materials Research - Part A</i> , 2016, 104, 2456-2465.	4.0	12
75	Pediatric ocular nanomedicines: Challenges and opportunities. <i>Chinese Chemical Letters</i> , 2017, 28, 1817-1821.	9.0	12
76	Self-Assembly of pH-Labile Polymer Nanoparticles for Paclitaxel Prodrug Delivery: Formulation, Characterization, and Evaluation. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9292.	4.1	12
77	Surface engineering of macrophages with nanoparticles to generate a cell–nanoparticle hybrid vehicle for hypoxia-targeted drug delivery. <i>International Journal of Nanomedicine</i> , 0, , 25.	6.7	10
78	â€œDouble-punchâ€ strategy for delivery of viral immunotherapy with prolonged tumor retention and enhanced transfection efficacy. <i>Journal of Controlled Release</i> , 2021, 329, 328-336.	9.9	10
79	Electrospinning of PEGylated polyamidoamine dendrimer fibers. <i>Materials Science and Engineering C</i> , 2015, 56, 189-194.	7.3	9
80	Kidney-Targeted Delivery of Prolyl Hydroxylase Domain Protein 2 Small Interfering RNA with Nanoparticles Alleviated Renal Ischemia/Reperfusion Injury. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2021, 378, 235-243.	2.5	9
81	Dendrimer-enabled transformation of <i>Anaplasma phagocytophilum</i> . <i>Microbes and Infection</i> , 2015, 17, 817-822.	1.9	8
82	Folate-Decorated Polyamidoamine Dendrimer Nanoparticles for Head and Neck Cancer Gene Therapy. <i>Methods in Molecular Biology</i> , 2019, 1974, 393-408.	0.9	8
83	PEAMOtectan, a novel chronotherapeutic polymeric drug for brain cancer. <i>Journal of Controlled Release</i> , 2020, 321, 36-48.	9.9	8
84	Duplex of Polyamidoamine Dendrimer/Custom-Designed Nuclear-Localization Sequence Peptide for Enhanced Gene Delivery. <i>Bioelectricity</i> , 2020, 2, 150-157.	1.1	7
85	Dendrimer-Based RNA Interference Delivery for Cancer Therapy. <i>ACS Symposium Series</i> , 2013, , 197-213.	0.5	5
86	Targeted inactivation of EPS8 using dendrimer-mediated delivery of RNA interference. <i>International Journal of Pharmaceutics</i> , 2019, 557, 178-181.	5.2	5
87	A Novel Electrospun Dendrimer-Gelatin Hybrid Nanofiber Scaffold for Tissue Regeneration and Drug Delivery. <i>Materials Research Society Symposia Proceedings</i> , 2008, 1094, 1.	0.1	4
88	Micro-channel diffusion characteristics of an implantable drug delivery device for age-related macular degeneration. <i>Microsystem Technologies</i> , 2015, 21, 1967-1974.	2.0	3
89	Nanoconjugated NAP as a Potent and Periphery Selective Mu Opioid Receptor Modulator To Treat Opioid-Induced Constipation. <i>ACS Medicinal Chemistry Letters</i> , 2017, 8, 78-83.	2.8	3
90	Synthesis and Characterization of Photocurable Polyionic Hydrogels. <i>Materials Research Society Symposia Proceedings</i> , 2008, 1095, 50501.	0.1	2

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91	Thermoresponsive Dendritic Facial Amphiphiles for Gene Delivery. <i>Nanomedicine and Nanobiology</i> , 2014, 1, 64-69.	0.4	2
92	Ionic Liquid Pilocarpine Analog as an Antiglaucoma Drug Candidate. <i>ACS Pharmacology and Translational Science</i> , 0, , .	4.9	2
93	Nanopreparations for Central Nervous System Diseases. <i>Frontiers in Nanobiomedical Research</i> , 2014, , 203-230.	0.1	1
94	Clickable biocompatible brush polymers as a versatile platform toward development of multifunctional drug delivery vehicles. <i>Reactive and Functional Polymers</i> , 2022, 170, 105147.	4.1	0