

# 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	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
2	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
3	“Double-punch” 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
4	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
5	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
6	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
7	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
8	Polyamidoamine Dendrimer Grafted with an Acid-Responsive Charge-Reversal Layer for Improved Gene Delivery. <i>Biomacromolecules</i> , 2020, 21, 4008-4016.	5.4	13
9	Duplex of Polyamidoamine Dendrimer/Custom-Designed Nuclear-Localization Sequence Peptide for Enhanced Gene Delivery. <i>Bioelectricity</i> , 2020, 2, 150-157.	1.1	7
10	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
11	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
12	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 &amp; Interfaces</i> , 2020, 12, 10202-10210.	8.0	16
13	PEAMOtecan, a novel chronotherapeutic polymeric drug for brain cancer. <i>Journal of Controlled Release</i> , 2020, 321, 36-48.	9.9	8
14	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
15	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
16	Electrospun gelatin-“arabinoxylan 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
17	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
18	Ecofriendly Method to Dissolve Chitosan in Plain Water. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 6355-6360.	5.2	21

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19	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
20	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
21	Drug-Conjugated Dendrimer Hydrogel Enables Sustained Drug Release via a Self-Cleaving Mechanism. <i>Molecular Pharmaceutics</i> , 2019, 16, 1874-1880.	4.6	23
22	Targeted inactivation of EPS8 using dendrimer-mediated delivery of RNA interference. <i>International Journal of Pharmaceutics</i> , 2019, 557, 178-181.	5.2	5
23	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
24	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
25	Cholangiocyte-derived exosomal long noncoding RNA H19 promotes cholestatic liver injury in mouse and humans. <i>Hepatology</i> , 2018, 68, 599-615.	7.3	115
26	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
27	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
28	Evaluation of osteogenic inductivity of a novel BMP-mimicking peptide P <sub>28</sub> and P <sub>28</sub> -containing bone composite. <i>Journal of Biomedical Materials Research - Part A</i> , 2018, 106, 210-220.	4.0	21
29	Leutosome: A Biomimetic Nanoplatfrom 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
30	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
31	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
32	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
33	Superelastic and pH-Responsive Degradable Dendrimer Cryogels Prepared by Cryo-aza-Michael Addition Reaction. <i>Scientific Reports</i> , 2018, 8, 7155.	3.3	19
34	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
35	Folate-mediated chemotherapy and diagnostics: An updated review and outlook. <i>Journal of Controlled Release</i> , 2017, 252, 73-82.	9.9	85
36	Dendrimers for ocular drug delivery. <i>Canadian Journal of Chemistry</i> , 2017, 95, 897-902.	1.1	51

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37	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
38	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
39	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
40	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
41	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
42	In Situ-Forming Polyamidoamine Dendrimer Hydrogels with Tunable Properties Prepared via Aza-Michael Addition Reaction. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 10494-10503.	8.0	56
43	Chitosan nanofibers for transbuccal insulin delivery. <i>Journal of Biomedical Materials Research - Part A</i> , 2017, 105, 1252-1259.	4.0	50
44	Nanomedicines for dysfunctional macrophage-associated diseases. <i>Journal of Controlled Release</i> , 2017, 247, 106-126.	9.9	43
45	Pediatric ocular nanomedicines: Challenges and opportunities. <i>Chinese Chemical Letters</i> , 2017, 28, 1817-1821.	9.0	12
46	Synthesis of regioselectively acylated quercetin analogues with improved antiplatelet activity. <i>Molecular Medicine Reports</i> , 2017, 16, 9735-9740.	2.4	24
47	Polysaccharide Fabrication Platforms and Biocompatibility Assessment as Candidate Wound Dressing Materials. <i>Bioengineering</i> , 2017, 4, 1.	3.5	128
48	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
49	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
50	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
51	Targeted nanosystems: Advances in targeted dendrimers for cancer therapy. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2016, 12, 309-316.	3.3	66
52	Dendrimer-enabled transformation of <i>Anaplasma phagocytophilum</i> . <i>Microbes and Infection</i> , 2015, 17, 817-822.	1.9	8
53	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
54	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

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55	Electrospinning of PEGylated polyamidoamine dendrimer fibers. <i>Materials Science and Engineering C</i> , 2015, 56, 189-194.	7.3	9
56	The effect of photoinitiators on intracellular AKT signaling pathway in tissue engineering application. <i>Biomaterials Science</i> , 2015, 3, 250-255.	5.4	46
57	Click synthesis of a polyamidoamine dendrimer-based camptothecin prodrug. <i>RSC Advances</i> , 2015, 5, 58600-58608.	3.6	31
58	Nanopreparations for Central Nervous System Diseases. <i>Frontiers in Nanobiomedical Research</i> , 2014, , 203-230.	0.1	1
59	Revisiting p53 for cancer-specific chemo- and radiotherapy. <i>Cell Cycle</i> , 2014, 13, 710-713.	2.6	31
60	Click Hybridization of Immune Cells and Polyamidoamine Dendrimers. <i>Advanced Healthcare Materials</i> , 2014, 3, 1430-1438.	7.6	23
61	Thermoresponsive Dendritic Facial Amphiphiles for Gene Delivery. <i>Nanomedicine and Nanobiology</i> , 2014, 1, 64-69.	0.4	2
62	Dendrimer-Based RNA Interference Delivery for Cancer Therapy. <i>ACS Symposium Series</i> , 2013, , 197-213.	0.5	5
63	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
64	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
65	Semi-interpenetrating network (siPN) gelatin nanofiber scaffolds for oral mucosal drug delivery. <i>Acta Biomaterialia</i> , 2013, 9, 6576-6584.	8.3	77
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	Mineralization Potential of Electrospun PDO-Hydroxyapatite-Fibrinogen Blended Scaffolds. <i>International Journal of Biomaterials</i> , 2012, 2012, 1-12.	2.4	21
68	Synthesis of Water-Soluble Camptothecinâ€Polyoxetane Conjugates via Click Chemistry. <i>Molecular Pharmaceutics</i> , 2012, 9, 3403-3408.	4.6	25
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	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
71	Polyamidoamine dendrimer hydrogel for enhanced delivery of antiglaucoma drugs. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2012, 8, 776-783.	3.3	118
72	Nanomaterial-mediated CNS delivery of diagnostic and therapeutic agents. <i>Advanced Drug Delivery Reviews</i> , 2012, 64, 605-613.	13.7	87

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73	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
74	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
75	Nanoparticle-Mediated Brain-Specific Drug Delivery, Imaging, and Diagnosis. <i>Pharmaceutical Research</i> , 2010, 27, 1759-1771.	3.5	197
76	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
77	Synthesis and characterization of thermoresponsive polyamidoamineâ€“polyethylene glycolâ€“poly(d,l-lactide) coreâ€“shell nanoparticles. <i>Acta Biomaterialia</i> , 2010, 6, 1131-1139.	8.3	37
78	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
79	PEGylated Polyamidoamine Dendrimers with Bis-Aryl Hydrazone Linkages for Enhanced Gene Delivery. <i>Biomacromolecules</i> , 2010, 11, 1940-1947.	5.4	81
80	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
81	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
82	Encapsulation and Extended Release of Anti-Cancer Anastrozole by Stealth Nanoparticles. <i>Drug Delivery</i> , 2008, 15, 343-346.	5.7	41
83	Synthesis and Characterization of Photocurable Polyionic Hydrogels. <i>Materials Research Society Symposia Proceedings</i> , 2008, 1095, 50501.	0.1	2
84	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
85	Stealth dendrimers for antiarrhythmic quinidine delivery. <i>Journal of Materials Science: Materials in Medicine</i> , 2007, 18, 2061-2065.	3.6	26
86	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
87	Dendrimers for pharmaceutical and biomedical applications. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2006, 17, 3-19.	3.5	164
88	Thermoresponsive Gelatin/Monomethoxy Poly(Ethylene Glycol)â€“Poly(d,l-lactide) Hydrogels: Formulation, Characterization, and Antibacterial Drug Delivery. <i>Pharmaceutical Research</i> , 2006, 23, 205-214.	3.5	47
89	In vitro enzymatic stability of dendritic peptides. <i>Journal of Biomedical Materials Research - Part A</i> , 2006, 76A, 398-407.	4.0	29
90	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

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91	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. Journal of Colloid and Interface Science, 2004, 273, 148-154.	9.4	166
92	Penicillin V-conjugated PEG-PAMAM star polymers. Journal of Biomaterials Science, Polymer Edition, 2003, 14, 1043-1056.	3.5	132
93	Surface engineering of macrophages with nanoparticles to generate a cell&ndash;nanoparticle hybrid vehicle for hypoxia-targeted drug delivery. International Journal of Nanomedicine, 0, , 25.	6.7	10
94	Ionic Liquid Pilocarpine Analog as an Antiglaucoma Drug Candidate. ACS Pharmacology and Translational Science, 0, , .	4.9	2