

# Jiyuan Yang

## List of Publications by Citations

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60  
papers

2,686  
citations

27  
h-index

51  
g-index

61  
ext. papers

2,911  
ext. citations

9  
avg, IF

5.57  
L-index

#	Paper	IF	Citations
60	Hydrogels as smart biomaterials. <i>Polymer International</i> , <b>2007</b> , 56, 1078-1098	3.3	337
59	Smart self-assembled hybrid hydrogel biomaterials. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 7396-417	16.4	244
58	Peptide-directed self-assembly of hydrogels. <i>Acta Biomaterialia</i> , <b>2009</b> , 5, 805-16	10.8	183
57	Refolding hydrogels self-assembled from N-(2-hydroxypropyl)methacrylamide graft copolymers by antiparallel coiled-coil formation. <i>Biomacromolecules</i> , <b>2006</b> , 7, 1187-95	6.9	132
56	Biodegradable Multiblock Poly[N-(2-hydroxypropyl)methacrylamide] via Reversible Addition-Fragmentation Chain Transfer Polymerization and Click Chemistry. <i>Macromolecules</i> , <b>2011</b> , 44, 2481-2488	5.5	111
55	Sequential combination therapy of ovarian cancer with degradable N-(2-hydroxypropyl)methacrylamide copolymer paclitaxel and gemcitabine conjugates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 12181-6	11.5	108
54	Synthesis of Biodegradable Multiblock Copolymers by Click Coupling of RAFT-Generated Heterotelechelic PolyHPMA Conjugates. <i>Reactive and Functional Polymers</i> , <b>2011</b> , 71, 294-302	4.6	99
53	Drug-free macromolecular therapeutics: induction of apoptosis by coiled-coil-mediated cross-linking of antigens on the cell surface. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 1451-5 <sup>16.4</sup>	16.4	99
52	Synthesis and evaluation of a backbone biodegradable multiblock HPMA copolymer nanocarrier for the systemic delivery of paclitaxel. <i>Journal of Controlled Release</i> , <b>2013</b> , 166, 66-74	11.7	93
51	Backbone degradable multiblock N-(2-hydroxypropyl)methacrylamide copolymer conjugates via reversible addition-fragmentation chain transfer polymerization and thiol-ene coupling reaction. <i>Biomacromolecules</i> , <b>2011</b> , 12, 247-52	6.9	83
50	Hybrid hydrogels self-assembled from HPMA copolymers containing peptide grafts. <i>Macromolecular Bioscience</i> , <b>2006</b> , 6, 201-9	5.5	69
49	Coiled-coil based drug-free macromolecular therapeutics: in vivo efficacy. <i>Journal of Controlled Release</i> , <b>2012</b> , 157, 126-31	11.7	63
48	Cell surface self-assembly of hybrid nanoconjugates via oligonucleotide hybridization induces apoptosis. <i>ACS Nano</i> , <b>2014</b> , 8, 719-30	16.7	60
47	Macromolecular therapeutics. <i>Journal of Controlled Release</i> , <b>2014</b> , 190, 288-303	11.7	55
46	Anti-CD20 multivalent HPMA copolymer-FabTconjugates for the direct induction of apoptosis. <i>Biomaterials</i> , <b>2012</b> , 33, 7174-81	15.6	50
45	Synthesis of long-circulating, backbone degradable HPMA copolymer-doxorubicin conjugates and evaluation of molecular-weight-dependent antitumor efficacy. <i>Macromolecular Bioscience</i> , <b>2013</b> , 13, 155-60	5.5	50
44	HPMA copolymer-based combination therapy toxic to both prostate cancer stem/progenitor cells and differentiated cells induces durable anti-tumor effects. <i>Journal of Controlled Release</i> , <b>2013</b> , 172, 946-53	11.7	45

43	FRET-trackable biodegradable HPMA copolymer-epirubicin conjugates for ovarian carcinoma therapy. <i>Journal of Controlled Release</i> , <b>2015</b> , 218, 36-44	11.7	44
42	Design of smart HPMA copolymer-based nanomedicines. <i>Journal of Controlled Release</i> , <b>2016</b> , 240, 9-23	11.7	43
41	Combination cytotoxicity of backbone degradable HPMA copolymer gemcitabine and platinum conjugates toward human ovarian carcinoma cells. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2014</b> , 87, 187-96	5.7	42
40	Dynamic light scattering study of self-assembly of HPMA hybrid graft copolymers. <i>Biomacromolecules</i> , <b>2008</b> , 9, 510-7	6.9	42
39	The Light at the End of the Tunnel-Second Generation HPMA Conjugates for Cancer Treatment. <i>Current Opinion in Colloid and Interface Science</i> , <b>2017</b> , 31, 30-42	7.6	41
38	Biodegradable multiblock poly(N-2-hydroxypropyl)methacrylamide gemcitabine and paclitaxel conjugates for ovarian cancer cell combination treatment. <i>International Journal of Pharmaceutics</i> , <b>2013</b> , 454, 435-43	6.5	40
37	Inhibition of Immunosuppressive Tumors by Polymer-Assisted Inductions of Immunogenic Cell Death and Multivalent PD-L1 Crosslinking. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 1908961	15.6	37
36	A Two-Step Pretargeted Nanotherapy for CD20 Crosslinking May Achieve Superior Anti-Lymphoma Efficacy to Rituximab. <i>Theranostics</i> , <b>2015</b> , 5, 834-46	12.1	35
35	Amplification of CD20 Cross-Linking in Rituximab-Resistant B-Lymphoma Cells Enhances Apoptosis Induction by Drug-Free Macromolecular Therapeutics. <i>ACS Nano</i> , <b>2018</b> , 12, 3658-3670	16.7	32
34	Hybrid polymeric hydrogels via peptide nucleic acid (PNA)/DNA complexation. <i>Journal of Controlled Release</i> , <b>2015</b> , 220, 608-16	11.7	27
33	Multimodality imaging of coiled-coil mediated self-assembly in a "drug-free" therapeutic system. <i>Advanced Healthcare Materials</i> , <b>2015</b> , 4, 1054-65	10.1	26
32	Drug-Free Macromolecular Therapeutics Induce Apoptosis via Calcium Influx and Mitochondrial Signaling Pathway. <i>Macromolecular Bioscience</i> , <b>2018</b> , 18, 1700196	5.5	26
31	Polymer nanomedicines. <i>Advanced Drug Delivery Reviews</i> , <b>2020</b> , 156, 40-64	18.5	25
30	Biorecognition: A key to drug-free macromolecular therapeutics. <i>Biomaterials</i> , <b>2019</b> , 190-191, 11-23	15.6	25
29	Backbone Degradable N-(2-Hydroxypropyl)methacrylamide Copolymer Conjugates with Gemcitabine and Paclitaxel: Impact of Molecular Weight on Activity toward Human Ovarian Carcinoma Xenografts. <i>Molecular Pharmaceutics</i> , <b>2017</b> , 14, 1384-1394	5.6	24
28	Super-Resolution Imaging and Quantitative Analysis of Membrane Protein/Lipid Raft Clustering Mediated by Cell-Surface Self-Assembly of Hybrid Nanoconjugates. <i>ChemBioChem</i> , <b>2015</b> , 16, 1725-9	3.8	24
27	Drug-Free Macromolecular Therapeutics: Induction of Apoptosis by Coiled-Coil-Mediated Cross-Linking of Antigens on the Cell Surface. <i>Angewandte Chemie</i> , <b>2010</b> , 122, 1493-1497	3.6	24
26	Combination therapy of prostate cancer with HPMA copolymer conjugates containing PI3K/mTOR inhibitor and docetaxel. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2015</b> , 89, 107-15	5.7	23

25	A new construct of antibody-drug conjugates for treatment of B-cell non-Hodgkin's lymphomas. <i>European Journal of Pharmaceutical Sciences</i> , <b>2017</b> , 103, 36-46	5.1	21
24	Immunogenicity of coiled-coil based drug-free macromolecular therapeutics. <i>Biomaterials</i> , <b>2014</b> , 35, 5886-596	5.6	20
23	Novel Synthesis of HPMA Copolymers Containing Peptide Grafts and Their Self-Assembly Into Hybrid Hydrogels. <i>Macromolecular Chemistry and Physics</i> , <b>2008</b> , 209, 467-475	2.6	20
22	Multivalent HER2-binding polymer conjugates facilitate rapid endocytosis and enhance intracellular drug delivery. <i>Journal of Controlled Release</i> , <b>2020</b> , 319, 285-299	11.7	16
21	Drug-free macromolecular therapeutics: Impact of structure on induction of apoptosis in Raji B cells. <i>Journal of Controlled Release</i> , <b>2017</b> , 263, 139-150	11.7	15
20	POLYMERIC BIOMATERIALS AND NANOMEDICINES. <i>Journal of Drug Delivery Science and Technology</i> , <b>2015</b> , 30, 318-330	4.5	15
19	Broadening and Enhancing Functions of Antibodies by Self-Assembling Multimerization at Cell Surface. <i>ACS Nano</i> , <b>2019</b> , 13, 11422-11432	16.7	14
18	Drug-free albumin-triggered sensitization of cancer cells to anticancer drugs. <i>Journal of Controlled Release</i> , <b>2019</b> , 293, 84-93	11.7	14
17	FRET Imaging of Enzyme-Responsive HPMA Copolymer Conjugate. <i>Macromolecular Bioscience</i> , <b>2017</b> , 17, 1600125	5.5	13
16	Human Serum Albumin-Based Drug-Free Macromolecular Therapeutics: Apoptosis Induction by Coiled-Coil-Mediated Cross-Linking of CD20 Antigens on Lymphoma B Cell Surface. <i>Macromolecular Bioscience</i> , <b>2018</b> , 18, e1800224	5.5	11
15	Indium-based and iodine-based labeling of HPMA copolymer-epirubicin conjugates: Impact of structure on the in vivo fate. <i>Journal of Controlled Release</i> , <b>2016</b> , 235, 306-318	11.7	10
14	Drug-free macromolecular therapeutics induce apoptosis in cells isolated from patients with B cell malignancies with enhanced apoptosis induction by pretreatment with gemcitabine. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2019</b> , 16, 217-225	6	10
13	Healing efficacy of fracture-targeted GSK3 $\beta$ inhibitor-loaded micelles for improved fracture repair. <i>Nanomedicine</i> , <b>2017</b> , 12, 185-193	5.6	9
12	Tracking and quantifying polymer therapeutic distribution on a cellular level using 3D dSTORM. <i>Journal of Controlled Release</i> , <b>2016</b> , 231, 50-9	11.7	9
11	N-(2-Hydroxypropyl)methacrylamide Copolymer-Drug Conjugates for Combination Chemotherapy of Acute Myeloid Leukemia. <i>Macromolecular Bioscience</i> , <b>2016</b> , 16, 121-8	5.5	9
10	Drug-free macromolecular therapeutics exhibit amplified apoptosis in G2/M phase arrested cells. <i>Journal of Drug Targeting</i> , <b>2019</b> , 27, 566-572	5.4	6
9	Exploration and Evaluation of Therapeutic Efficacy of Drug-Free Macromolecular Therapeutics in Collagen-Induced Rheumatoid Arthritis Mouse Model. <i>Macromolecular Bioscience</i> , <b>2020</b> , 20, e1900445	5.5	4
8	Dendronized polymer conjugates with amplified immunogenic cell death for oncolytic immunotherapy. <i>Journal of Controlled Release</i> , <b>2021</b> , 329, 1129-1138	11.7	4

7	Crosslinking of CD38 Receptors Triggers Apoptosis of Malignant B Cells. <i>Molecules</i> , <b>2021</b> , 26,	4.8	2
6	Cancer Stem Cells: Potential Target For Anti-Cancer Nanomedicines. <i>ACS Symposium Series</i> , <b>2013</b> , 127-149.	9.4	1
5	Nanomedicines in B cell-targeting therapies. <i>Acta Biomaterialia</i> , <b>2021</b> , 137, 1-1	10.8	1
4	Combination treatment with immunogenic and anti-PD-L1 polymer-drug conjugates of advanced tumors in a transgenic MMTV-PyMT mouse model of breast cancer. <i>Journal of Controlled Release</i> , <b>2021</b> , 332, 652-659	11.7	1
3	Backbone Degradable and Coiled-Coil Based Macromolecular Therapeutics <b>2014</b> , 1-28		
2	Design and synthesis of FRET-trackable HPMA-based biodegradable conjugates for drug/gene delivery. <i>Journal of Controlled Release</i> , <b>2015</b> , 213, e58	11.7	
1	Drug-Free Macromolecular Therapeutics Induce Apoptosis in Cells Isolated from Patients with B Cell Malignancies with Enhanced Apoptosis Induction By Pretreatment with Gemcitabine. <i>Blood</i> , <b>2018</b> , 132, 4426-4426	2.2	