

Jiyuan Yang

List of Publications by Year in descending order

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Version: 2024-02-01

59
papers

3,160
citations

147566

31
h-index

149479

56
g-index

61
all docs

61
docs citations

61
times ranked

3425
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrogels as smart biomaterials. <i>Polymer International</i> , 2007, 56, 1078-1098.	1.6	381
2	Smart Self-Assembled Hybrid Hydrogel Biomaterials. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 7396-7417.	7.2	276
3	Peptide-directed self-assembly of hydrogels. <i>Acta Biomaterialia</i> , 2009, 5, 805-816.	4.1	201
4	Refolding Hydrogels Self-Assembled from N-(2-Hydroxypropyl)methacrylamide Graft Copolymers by Antiparallel Coiled-Coil Formation. <i>Biomacromolecules</i> , 2006, 7, 1187-1195.	2.6	145
5	Biodegradable Multiblock Poly[N-(2-hydroxypropyl)methacrylamide] via Reversible Addition-Fragmentation Chain Transfer Polymerization and Click Chemistry. <i>Macromolecules</i> , 2011, 44, 2481-2488.	2.2	127
6	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> , 2014, 111, 12181-12186.	3.3	119
7	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> , 2010, 49, 1451-1455.	7.2	105
8	Synthesis of biodegradable multiblock copolymers by click coupling of RAFT-generated heterotelechelic polyHPMA conjugates. <i>Reactive and Functional Polymers</i> , 2011, 71, 294-302.	2.0	105
9	Synthesis and evaluation of a backbone biodegradable multiblock HPMA copolymer nanocarrier for the systemic delivery of paclitaxel. <i>Journal of Controlled Release</i> , 2013, 166, 66-74.	4.8	99
10	Backbone Degradable Multiblock N-(2-Hydroxypropyl)methacrylamide Copolymer Conjugates via Reversible Addition-Fragmentation Chain Transfer Polymerization and Thiol-ene Coupling Reaction. <i>Biomacromolecules</i> , 2011, 12, 247-252.	2.6	88
11	Hybrid Hydrogels Self-Assembled from HPMA Copolymers Containing Peptide Grafts. <i>Macromolecular Bioscience</i> , 2006, 6, 201-209.	2.1	74
12	Coiled-coil based drug-free macromolecular therapeutics: In vivo efficacy. <i>Journal of Controlled Release</i> , 2012, 157, 126-131.	4.8	71
13	Cell Surface Self-Assembly of Hybrid Nanoconjugates via Oligonucleotide Hybridization Induces Apoptosis. <i>ACS Nano</i> , 2014, 8, 719-730.	7.3	70
14	Macromolecular therapeutics. <i>Journal of Controlled Release</i> , 2014, 190, 288-303.	4.8	66
15	Polymer nanomedicines. <i>Advanced Drug Delivery Reviews</i> , 2020, 156, 40-64.	6.6	66
16	Inhibition of Immunosuppressive Tumors by Polymer-Assisted Inductions of Immunogenic Cell Death and Multivalent PD-L1 Crosslinking. <i>Advanced Functional Materials</i> , 2020, 30, 1908961.	7.8	64
17	The light at the end of the tunnel—second generation HPMA conjugates for cancer treatment. <i>Current Opinion in Colloid and Interface Science</i> , 2017, 31, 30-42.	3.4	60
18	Synthesis of Long-Circulating, Backbone Degradable HPMA Copolymer-Doxorubicin Conjugates and Evaluation of Molecular-Weight-Dependent Antitumor Efficacy. <i>Macromolecular Bioscience</i> , 2013, 13, 155-160.	2.1	54

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19	FRET-trackable biodegradable HPMA copolymer-epirubicin conjugates for ovarian carcinoma therapy. <i>Journal of Controlled Release</i> , 2015, 218, 36-44.	4.8	52
20	Anti-CD20 multivalent HPMA copolymer-Fab ϵ^2 conjugates for the direct induction of apoptosis. <i>Biomaterials</i> , 2012, 33, 7174-7181.	5.7	51
21	Design of smart HPMA copolymer-based nanomedicines. <i>Journal of Controlled Release</i> , 2016, 240, 9-23.	4.8	51
22	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> , 2013, 172, 946-953.	4.8	50
23	Biodegradable multiblock poly(N-2-hydroxypropyl)methacrylamide gemcitabine and paclitaxel conjugates for ovarian cancer cell combination treatment. <i>International Journal of Pharmaceutics</i> , 2013, 454, 435-443.	2.6	48
24	Combination cytotoxicity of backbone degradable HPMA copolymer gemcitabine and platinum conjugates toward human ovarian carcinoma cells. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2014, 87, 187-196.	2.0	48
25	Dynamic Light Scattering Study of Self-Assembly of HPMA Hybrid Graft Copolymers. <i>Biomacromolecules</i> , 2008, 9, 510-517.	2.6	47
26	A Two-Step Pretargeted Nanotherapy for CD20 Crosslinking May Achieve Superior Anti-Lymphoma Efficacy to Rituximab. <i>Theranostics</i> , 2015, 5, 834-846.	4.6	41
27	Amplification of CD20 Cross-Linking in Rituximab-Resistant B-Lymphoma Cells Enhances Apoptosis Induction by Drug-Free Macromolecular Therapeutics. <i>ACS Nano</i> , 2018, 12, 3658-3670.	7.3	40
28	Hybrid polymeric hydrogels via peptide nucleic acid (PNA)/DNA complexation. <i>Journal of Controlled Release</i> , 2015, 220, 608-616.	4.8	38
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> , 2017, 14, 1384-1394.	2.3	36
30	Biorecognition: A key to drug-free macromolecular therapeutics. <i>Biomaterials</i> , 2019, 190-191, 11-23.	5.7	35
31	Drug-Free Macromolecular Therapeutics Induce Apoptosis via Calcium Influx and Mitochondrial Signaling Pathway. <i>Macromolecular Bioscience</i> , 2018, 18, 1700196.	2.1	33
32	Super-Resolution Imaging and Quantitative Analysis of Membrane Protein/Lipid Raft Clustering Mediated by Cell Surface Self-Assembly of Hybrid Nanoconjugates. <i>ChemBioChem</i> , 2015, 16, 1725-1729.	1.3	31
33	Multimodality Imaging of Coiled-Coil Mediated Self-Assembly in a Drug-Free Therapeutic System. <i>Advanced Healthcare Materials</i> , 2015, 4, 1054-1065.	3.9	27
34	Multivalent HER2-binding polymer conjugates facilitate rapid endocytosis and enhance intracellular drug delivery. <i>Journal of Controlled Release</i> , 2020, 319, 285-299.	4.8	27
35	Combination therapy of prostate cancer with HPMA copolymer conjugates containing PI3K/mTOR inhibitor and docetaxel. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015, 89, 107-115.	2.0	26
36	A new construct of antibody-drug conjugates for treatment of B-cell non-Hodgkin's lymphomas. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 103, 36-46.	1.9	25

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37	Broadening and Enhancing Functions of Antibodies by Self-Assembling Multimerization at Cell Surface. <i>ACS Nano</i> , 2019, 13, 11422-11432.	7.3	24
38	Novel Synthesis of HPMA Copolymers Containing Peptide Grafts and Their Self-Assembly Into Hybrid Hydrogels. <i>Macromolecular Chemistry and Physics</i> , 2008, 209, 467-475.	1.1	22
39	Immunogenicity of coiled-coil based drug-free macromolecular therapeutics. <i>Biomaterials</i> , 2014, 35, 5886-5896.	5.7	21
40	Drug-free macromolecular therapeutics: Impact of structure on induction of apoptosis in Raji B cells. <i>Journal of Controlled Release</i> , 2017, 263, 139-150.	4.8	19
41	Polymeric biomaterials and nanomedicines. <i>Journal of Drug Delivery Science and Technology</i> , 2015, 30, 318-330.	1.4	17
42	Drug-free albumin-triggered sensitization of cancer cells to anticancer drugs. <i>Journal of Controlled Release</i> , 2019, 293, 84-93.	4.8	17
43	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> , 2018, 18, e1800224.	2.1	16
44	FRET Imaging of Enzyme-Responsive HPMA Copolymer Conjugate. <i>Macromolecular Bioscience</i> , 2017, 17, 1600125.	2.1	15
45	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> , 2019, 16, 217-225.	1.7	14
46	<i>N</i> -(2-Hydroxypropyl)methacrylamide Copolymer-Drug Conjugates for Combination Chemotherapy of Acute Myeloid Leukemia. <i>Macromolecular Bioscience</i> , 2016, 16, 121-128.	2.1	12
47	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> , 2016, 235, 306-318.	4.8	12
48	Healing efficacy of fracture-targeted GSK3 ^{Î²} inhibitor-loaded micelles for improved fracture repair. <i>Nanomedicine</i> , 2017, 12, 185-193.	1.7	11
49	Tracking and quantifying polymer therapeutic distribution on a cellular level using 3D dSTORM. <i>Journal of Controlled Release</i> , 2016, 231, 50-59.	4.8	10
50	Dendronized polymer conjugates with amplified immunogenic cell death for oncolytic immunotherapy. <i>Journal of Controlled Release</i> , 2021, 329, 1129-1138.	4.8	10
51	Crosslinking of CD38 Receptors Triggers Apoptosis of Malignant B Cells. <i>Molecules</i> , 2021, 26, 4658.	1.7	9
52	Nanomedicines in B cell-targeting therapies. <i>Acta Biomaterialia</i> , 2022, 137, 1-19.	4.1	9
53	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> , 2021, 332, 652-659.	4.8	7
54	Drug-free macromolecular therapeutics exhibit amplified apoptosis in G2/M phase arrested cells. <i>Journal of Drug Targeting</i> , 2019, 27, 566-572.	2.1	6

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55	Exploration and Evaluation of Therapeutic Efficacy of Drug-Free Macromolecular Therapeutics in Collagen-Induced Rheumatoid Arthritis Mouse Model. <i>Macromolecular Bioscience</i> , 2020, 20, 1900445.	2.1	5
56	Cancer Stem Cells: Potential Target For Anti-Cancer Nanomedicines. <i>ACS Symposium Series</i> , 2013, , 127-149.	0.5	2
57	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> , 2018, 132, 4426-4426.	0.6	1
58	Design and synthesis of FRET-trackable HPMA-based biodegradable conjugates for drug/gene delivery. <i>Journal of Controlled Release</i> , 2015, 213, e58.	4.8	0
59	“My First Sixty Years in Science”, <i>Journal of Controlled Release</i> , 2021, 329, 1231-1233.	4.8	0