

Gayong Shim

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8368996/publications.pdf>

Version: 2024-02-01

69
papers

3,134
citations

136950

32
h-index

155660

55
g-index

71
all docs

71
docs citations

71
times ranked

5133
citing authors

#	ARTICLE	IF	CITATIONS
1	Safety and tumor tissue accumulation of pegylated graphene oxide nanosheets for co-delivery of anticancer drug and photosensitizer. <i>Biomaterials</i> , 2013, 34, 3402-3410.	11.4	219
2	In vivo neuronal gene editing via CRISPR-Cas9 amphiphilic nanocomplexes alleviates deficits in mouse models of Alzheimer's disease. <i>Nature Neuroscience</i> , 2019, 22, 524-528.	14.8	183
3	Graphene-based nanosheets for delivery of chemotherapeutics and biological drugs. <i>Advanced Drug Delivery Reviews</i> , 2016, 105, 205-227.	13.7	170
4	Cholesteryl hyaluronic acid-coated, reduced graphene oxide nanosheets for anti-cancer drug delivery. <i>Biomaterials</i> , 2013, 34, 9638-9647.	11.4	168
5	Cationic solid lipid nanoparticles for co-delivery of paclitaxel and siRNA. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2012, 80, 268-273.	4.3	142
6	Nanotechnology and vaccine development. <i>Asian Journal of Pharmaceutical Sciences</i> , 2014, 9, 227-235.	9.1	105
7	In Situ Nanoadjuvant-Assembled Tumor Vaccine for Preventing Long-Term Recurrence. <i>ACS Nano</i> , 2019, 13, 7442-7462.	14.6	104
8	Pegylated poly-l-arginine derivatives of chitosan for effective delivery of siRNA. <i>Journal of Controlled Release</i> , 2010, 145, 159-164.	9.9	97
9	Therapeutic gene editing: delivery and regulatory perspectives. <i>Acta Pharmacologica Sinica</i> , 2017, 38, 738-753.	6.1	95
10	Trilysinoyl oleylamide-based cationic liposomes for systemic co-delivery of siRNA and an anticancer drug. <i>Journal of Controlled Release</i> , 2011, 155, 60-66.	9.9	91
11	Image-guided synergistic photothermal therapy using photoresponsive imaging agent-loaded graphene-based nanosheets. <i>Journal of Controlled Release</i> , 2015, 211, 28-36.	9.9	85
12	Application of cationic liposomes for delivery of nucleic acids. <i>Asian Journal of Pharmaceutical Sciences</i> , 2013, 8, 72-80.	9.1	82
13	Nanoformulation-based sequential combination cancer therapy. <i>Advanced Drug Delivery Reviews</i> , 2017, 115, 57-81.	13.7	80
14	Cell membrane-derived vesicles for delivery of therapeutic agents. <i>Acta Pharmaceutica Sinica B</i> , 2021, 11, 2096-2113.	12.0	79
15	Reduced graphene oxide nanosheets coated with an anti-angiogenic anticancer low-molecular-weight heparin derivative for delivery of anticancer drugs. <i>Journal of Controlled Release</i> , 2014, 189, 80-89.	9.9	70
16	Novel cationic cholesterol derivative-based liposomes for serum-enhanced delivery of siRNA. <i>International Journal of Pharmaceutics</i> , 2007, 353, 260-9.	5.2	67
17	Hyaluronic acid complexed to biodegradable poly-L-arginine for targeted delivery of siRNAs. <i>Journal of Gene Medicine</i> , 2009, 11, 791-803.	2.8	65
18	Cationic drug-derived nanoparticles for multifunctional delivery of anticancer siRNA. <i>Biomaterials</i> , 2011, 32, 9785-9795.	11.4	62

#	ARTICLE	IF	CITATIONS
19	Melanin-loaded CpG DNA hydrogel for modulation of tumor immune microenvironment. <i>Journal of Controlled Release</i> , 2021, 330, 540-553.	9.9	62
20	Cationic Liposomal Co-delivery of Small Interfering RNA and a MEK Inhibitor for Enhanced Anticancer Efficacy. <i>Pharmaceutical Research</i> , 2011, 28, 3069-3078.	3.5	61
21	Structure-dependent photothermal anticancer effects of carbon-based photoresponsive nanomaterials. <i>Biomaterials</i> , 2014, 35, 4058-4065.	11.4	60
22	Light-switchable systems for remotely controlled drug delivery. <i>Journal of Controlled Release</i> , 2017, 267, 67-79.	9.9	59
23	Enhanced Intrapulmonary Delivery of Anticancer siRNA for Lung Cancer Therapy Using Cationic Ethylphosphocholine-based Nanolipoplexes. <i>Molecular Therapy</i> , 2013, 21, 816-824.	8.2	54
24	Nonviral Delivery Systems for Cancer Gene Therapy: Strategies and Challenges. <i>Current Gene Therapy</i> , 2018, 18, 3-20.	2.0	51
25	Tocopheryl oligochitosan-based self assembling oligomersomes for siRNA delivery. <i>Biomaterials</i> , 2011, 32, 849-857.	11.4	50
26	Anionic amino acid-derived cationic lipid for siRNA delivery. <i>Journal of Controlled Release</i> , 2009, 140, 268-276.	9.9	49
27	Cationic derivatives of biocompatible hyaluronic acids for delivery of siRNA and antisense oligonucleotides. <i>Journal of Drug Targeting</i> , 2009, 17, 123-132.	4.4	45
28	Activation of AMPK by berberine induces hepatic lipid accumulation by upregulation of fatty acid translocase CD36 in mice. <i>Toxicology and Applied Pharmacology</i> , 2017, 316, 74-82.	2.8	45
29	Pharmacokinetics and In Vivo Fate of Intra-Articularly Transplanted Human Bone Marrow-Derived Clonal Mesenchymal Stem Cells. <i>Stem Cells and Development</i> , 2015, 24, 1124-1132.	2.1	41
30	Tumor vasculature targeting following co-delivery of heparin-taurocholate conjugate and suberoylanilide hydroxamic acid using cationic nanolipoplex. <i>Biomaterials</i> , 2012, 33, 4424-4430.	11.4	38
31	Biomimetic DNA nanoballs for oligonucleotide delivery. <i>Biomaterials</i> , 2015, 62, 155-163.	11.4	34
32	The synergistic therapeutic effect of cisplatin with Human papillomavirus E6/E7 short interfering RNA on cervical cancer cell lines <i>in vitro</i> and <i>in vivo</i> . <i>International Journal of Cancer</i> , 2012, 130, 1925-1936.	5.1	33
33	A Peptide Probe Enables Photoacoustic-Guided Imaging and Drug Delivery to Lung Tumors in <i>K-rasLA2</i> Mutant Mice. <i>Cancer Research</i> , 2019, 79, 4271-4282.	0.9	31
34	Tetraiodothyroacetic acid-tagged liposomes for enhanced delivery of anticancer drug to tumor tissue via integrin receptor. <i>Journal of Controlled Release</i> , 2012, 164, 213-220.	9.9	27
35	Biomimetic polymeric nanoparticle-based photodynamic immunotherapy and protection against tumor rechallenge. <i>Biomaterials Science</i> , 2020, 8, 1106-1116.	5.4	27
36	In situ dose amplification by apoptosis-targeted drug delivery. <i>Journal of Controlled Release</i> , 2011, 154, 214-217.	9.9	24

#	ARTICLE	IF	CITATIONS
37	Tannic acid-functionalized boron nitride nanosheets for theranostics. <i>Journal of Controlled Release</i> , 2020, 327, 616-626.	9.9	24
38	Fibroblast activation protein activated antifibrotic peptide delivery attenuates fibrosis in mouse models of liver fibrosis. <i>Nature Communications</i> , 2022, 13, 1516.	12.8	23
39	Molecular engineering of antibodies for site-specific conjugation to lipid polydopamine hybrid nanoparticles. <i>Acta Pharmaceutica Sinica B</i> , 2020, 10, 2212-2226.	12.0	21
40	Lipid-based nanoparticles for photosensitive drug delivery systems. <i>Journal of Pharmaceutical Investigation</i> , 2022, 52, 151-160.	5.3	19
41	Stemmed DNA nanostructure for the selective delivery of therapeutics. <i>Nanoscale</i> , 2018, 10, 7511-7518.	5.6	18
42	Pharmaceutical Applications of Graphene-based Nanosheets. <i>Current Pharmaceutical Biotechnology</i> , 2014, 14, 1016-1026.	1.6	18
43	Claudin 4-targeted nanographene phototherapy using a <i>Clostridium perfringens</i> enterotoxin peptide-photosensitizer conjugate. <i>Acta Pharmacologica Sinica</i> , 2017, 38, 954-962.	6.1	17
44	Enhanced tumor localization and retention of chlorin e6 in cationic nanolipoplexes potentiate the tumor ablation effects of photodynamic therapy. <i>Nanotechnology</i> , 2011, 22, 365101.	2.6	16
45	Liposomal Co-Delivery of Omacetaxine Mepesuccinate and Doxorubicin for Synergistic Potentiation of Antitumor Activity. <i>Pharmaceutical Research</i> , 2014, 31, 2178-2185.	3.5	16
46	High Molecular Weight Chitosan-Complexed RNA Nanoadjuvant for Effective Cancer Immunotherapy. <i>Pharmaceutics</i> , 2019, 11, 680.	4.5	16
47	Genome-Editing-Mediated Restructuring of Tumor Immune Microenvironment for Prevention of Metastasis. <i>ACS Nano</i> , 2021, 15, 17635-17656.	14.6	16
48	Enhanced survival of transplanted human adipose-derived stem cells by co-delivery with liposomal apoptosome inhibitor in fibrin gel matrix. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2013, 85, 673-681.	4.3	15
49	Sequential activation of anticancer therapy triggered by tumor microenvironment-selective imaging. <i>Journal of Controlled Release</i> , 2019, 298, 110-119.	9.9	15
50	<i>Staphylococcus aureus</i> -mimetic control of antibody orientation on nanoparticles. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2019, 16, 267-277.	3.3	15
51	Lipid-based antigen delivery systems. <i>Journal of Pharmaceutical Investigation</i> , 2016, 46, 295-304.	5.3	14
52	Immune-camouflaged graphene oxide nanosheets for negative regulation of phagocytosis by macrophages. <i>Journal of Materials Chemistry B</i> , 2017, 5, 6666-6675.	5.8	14
53	Enhanced Transfection Rates of Small-Interfering RNA Using Dioleoylglutamide-Based Magnetic Lipoplexes. <i>Nucleic Acid Therapeutics</i> , 2011, 21, 165-172.	3.6	12
54	Functionalization of nano-graphenes by chimeric peptide engineering. <i>RSC Advances</i> , 2015, 5, 49905-49913.	3.6	11

#	ARTICLE	IF	CITATIONS
55	Lipid Nanoparticle-Mediated Lymphatic Delivery of Immunostimulatory Nucleic Acids. <i>Pharmaceutics</i> , 2021, 13, 490.	4.5	11
56	Noncovalent tethering of nucleic acid aptamer on DNA nanostructure for targeted photo/chemo/gene therapies. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2020, 24, 102053.	3.3	9
57	Bacteriomimetic poly- $\hat{\gamma}$ -glutamic acid surface coating for hemocompatibility and safety of nanomaterials. <i>Nanotoxicology</i> , 2017, 11, 1-9.	3.0	8
58	Fibrinolytic nanocages dissolve clots in the tumor microenvironment, improving the distribution and therapeutic efficacy of anticancer drugs. <i>Experimental and Molecular Medicine</i> , 2021, 53, 1592-1601.	7.7	8
59	Photosensitizer-Trapped Gold Nanocluster for Dual Light-Responsive Phototherapy. <i>Biomedicines</i> , 2020, 8, 521.	3.2	7
60	Electromagnetized Graphene Facilitates Direct Lineage Reprogramming into Dopaminergic Neurons. <i>Advanced Functional Materials</i> , 2021, 31, 2105346.	14.9	6
61	DNA-based artificial dendritic cells for in situ cytotoxic T cell stimulation and immunotherapy. <i>Bioactive Materials</i> , 2022, 15, 160-172.	15.6	6
62	Surface-modified liposomes for syndecan 2 $\hat{\alpha}$ -targeted delivery of edelfosine. <i>Asian Journal of Pharmaceutical Sciences</i> , 2016, 11, 596-602.	9.1	5
63	Chemokine-mimetic plerixafor derivative for tumor-specific delivery of nanomaterials. <i>Nano Research</i> , 2018, 11, 2159-2172.	10.4	5
64	Small interfering RNAs (siRNAs) as cancer therapeutics. , 2013, , 237-269.		4
65	Photosensitizer $\hat{\alpha}$ Free Phototherapy with Peptide Micelle Nanoadjuvants for Cancer Vaccine against Metastasis of Melanoma. <i>Advanced Therapeutics</i> , 2021, 4, 2000288.	3.2	4
66	Enhanced survival of human mesenchymal stem cells following co-delivery with glucagon-like peptide-1 analogue in fibrin gel. <i>Journal of Pharmaceutical Investigation</i> , 2015, 45, 143-149.	5.3	3
67	Biomimetic chimeric peptide-tethered hydrogels for human mesenchymal stem cell delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 136, 634-640.	5.0	1
68	Biomaterials for gene editing therapeutics. , 2020, , 187-231.		0
69	Enhanced Transfection Rates of Small-Interfering RNA Using Dioleoylglutamide-Based Magnetic Lipoplexes. <i>Oligonucleotides</i> , 0, , 121102072334007.	2.7	0