

Young Jik Kwon

List of Publications by Year in descending order

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68
papers

5,437
citations

172457

29
h-index

106344

65
g-index

72
all docs

72
docs citations

72
times ranked

9505
citing authors

#	ARTICLE	IF	CITATIONS
1	“Nanoantibiotics” A new paradigm for treating infectious diseases using nanomaterials in the antibiotics resistant era. <i>Journal of Controlled Release</i> , 2011, 156, 128-145.	9.9	1,502
2	“Combo” nanomedicine: Co-delivery of multi-modal therapeutics for efficient, targeted, and safe cancer therapy. <i>Advanced Drug Delivery Reviews</i> , 2016, 98, 3-18.	13.7	399
3	Stimuli-responsive polymers and nanomaterials for gene delivery and imaging applications. <i>Advanced Drug Delivery Reviews</i> , 2012, 64, 1046-1059.	13.7	353
4	Molecular genetics and emerging therapies for retinitis pigmentosa: Basic research and clinical perspectives. <i>Progress in Retinal and Eye Research</i> , 2018, 63, 107-131.	15.5	301
5	Efficient and targeted delivery of siRNA <i>in vivo</i> . <i>FEBS Journal</i> , 2010, 277, 4814-4827.	4.7	270
6	COVID-19 vaccines: The status and perspectives in delivery points of view. <i>Advanced Drug Delivery Reviews</i> , 2021, 170, 1-25.	13.7	262
7	In vivo targeting of dendritic cells for activation of cellular immunity using vaccine carriers based on pH-responsive microparticles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 18264-18268.	7.1	200
8	Enhanced antigen presentation and immunostimulation of dendritic cells using acid-degradable cationic nanoparticles. <i>Journal of Controlled Release</i> , 2005, 105, 199-212.	9.9	140
9	Good things come in small packages: Overcoming challenges to harness extracellular vesicles for therapeutic delivery. <i>Journal of Controlled Release</i> , 2016, 241, 174-185.	9.9	129
10	Enhanced detection of early-stage oral cancer in vivo by optical coherence tomography using multimodal delivery of gold nanoparticles. <i>Journal of Biomedical Optics</i> , 2009, 14, 034008.	2.6	125
11	Aptamers: The “evolution” of SELEX. <i>Methods</i> , 2016, 106, 21-28.	3.8	117
12	Controlled Delivery of Plasmid DNA and siRNA to Intracellular Targets Using Ketalized Polyethylenimine. <i>Biomacromolecules</i> , 2008, 9, 444-455.	5.4	116
13	Acid-Responsive Linear Polyethylenimine for Efficient, Specific, and Biocompatible siRNA Delivery. <i>Bioconjugate Chemistry</i> , 2009, 20, 488-499.	3.6	111
14	Before and after Endosomal Escape: Roles of Stimuli-Converting siRNA/Polymer Interactions in Determining Gene Silencing Efficiency. <i>Accounts of Chemical Research</i> , 2012, 45, 1077-1088.	15.6	105
15	Cancer nanotechnology: current status and perspectives. <i>Nano Convergence</i> , 2021, 8, 34.	12.1	97
16	Acid-Degradable Particles for Protein-Based Vaccines: Enhanced Survival Rate for Tumor-Challenged Mice Using Ovalbumin Model. <i>Bioconjugate Chemistry</i> , 2004, 15, 1281-1288.	3.6	82
17	Controlled cytoplasmic and nuclear localization of plasmid DNA and siRNA by differentially tailored polyethylenimine. <i>Journal of Controlled Release</i> , 2009, 133, 206-213.	9.9	75
18	Acid-transforming polypeptide micelles for targeted nonviral gene delivery. <i>Biomaterials</i> , 2010, 31, 3404-3413.	11.4	73

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19	Cancer Cell-Derived, Drug-Loaded Nanovesicles Induced by Sulfhydryl-Blocking for Effective and Safe Cancer Therapy. <i>ACS Nano</i> , 2018, 12, 9568-9577.	14.6	71
20	Directed Antigen Presentation Using Polymeric Microparticulate Carriers Degradable at Lysosomal pH for Controlled Immune Responses. <i>Molecular Pharmaceutics</i> , 2005, 2, 83-91.	4.6	64
21	Determination of Infectious Retrovirus Concentration from Colony-Forming Assay with Quantitative Analysis. <i>Journal of Virology</i> , 2003, 77, 5712-5720.	3.4	63
22	Synthetically designed peptide-based biomaterials with stimuli-responsive and membrane-active properties for biomedical applications. <i>Journal of Materials Chemistry B</i> , 2014, 2, 595-615.	5.8	63
23	Incorporation of CpG Oligonucleotide Ligand into Protein-Loaded Particle Vaccines Promotes Antigen-Specific CD8 T-Cell Immunity. <i>Bioconjugate Chemistry</i> , 2007, 18, 77-83.	3.6	60
24	Acid-degradable cationic methacrylamide polymerized in the presence of plasmid DNA as tunable non-viral gene carrier. <i>Biomaterials</i> , 2008, 29, 3872-3881.	11.4	47
25	Acid-degradable core-shell nanoparticles for reversed tamoxifen-resistance in breast cancer by silencing manganese superoxide dismutase (MnSOD). <i>Biomaterials</i> , 2013, 34, 10228-10237.	11.4	44
26	Dual mode polyspermine with tunable degradability for plasmid DNA and siRNA delivery. <i>Biomaterials</i> , 2011, 32, 4009-4020.	11.4	38
27	Polyamine/DNA polyplexes with acid-degradable polymeric shell as structurally and functionally virus-mimicking nonviral vectors. <i>Journal of Controlled Release</i> , 2011, 150, 287-297.	9.9	33
28	Extracellular blebs: Artificially-induced extracellular vesicles for facile production and clinical translation. <i>Methods</i> , 2020, 177, 135-145.	3.8	33
29	Synthetically Engineered Adeno-Associated Virus for Efficient, Safe, and Versatile Gene Therapy Applications. <i>ACS Nano</i> , 2020, 14, 14262-14283.	14.6	33
30	Simultaneous gene transduction and silencing using stimuli-responsive viral/nonviral chimeric nanoparticles. <i>Biomaterials</i> , 2012, 33, 3316-3323.	11.4	30
31	Dynamics of nucleic acid/cationic polymer complexation and disassembly under biologically simulated conditions using in situ atomic force microscopy. <i>Microscopy Research and Technique</i> , 2010, 73, 845-856.	2.2	29
32	Engineered extracellular vesicles and their mimetics for clinical translation. <i>Methods</i> , 2020, 177, 80-94.	3.8	26
33	Design, challenge, and promise of stimuli-responsive nanoantibiotics. <i>Nano Convergence</i> , 2016, 3, 26.	12.1	25
34	Aqueous-Soluble, Acid-Transforming Chitosan for Efficient and Stimuli-Responsive Gene Silencing. <i>Biomacromolecules</i> , 2018, 19, 1508-1516.	5.4	25
35	Enhanced retroviral transduction of 293 cells cultured on liquid-liquid interfaces. <i>Biotechnology and Bioengineering</i> , 2001, 72, 331-338.	3.3	24
36	Viral/Nonviral Chimeric Nanoparticles To Synergistically Suppress Leukemia Proliferation via Simultaneous Gene Transduction and Silencing. <i>ACS Nano</i> , 2016, 10, 8705-8714.	14.6	22

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37	Photochemical internalization-mediated nonviral gene transfection: polyamine core-shell nanoparticles as gene carrier. <i>Journal of Biomedical Optics</i> , 2014, 19, 105009.	2.6	21
38	Stimuli-disassembling gold nanoclusters for diagnosis of early stage oral cancer by optical coherence tomography. <i>Nano Convergence</i> , 2018, 5, 3.	12.1	19
39	Increased sensitivity of glioma cells to 5-fluorocytosine following photo-chemical internalization enhanced nonviral transfection of the cytosine deaminase suicide gene. <i>Journal of Neuro-Oncology</i> , 2014, 118, 29-37.	2.9	17
40	RNAi for silencing drug resistance in microbes toward development of nanoantibiotics. <i>Journal of Controlled Release</i> , 2014, 189, 150-157.	9.9	16
41	Discovery of New Imidazo[2,1- <i>b</i>]thiazole Derivatives as Potent Pan-RAF Inhibitors with Promising <i>In Vitro</i> and <i>In Vivo</i> Anti-melanoma Activity. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 6877-6901.	6.4	15
42	Transduction rate constant as more reliable index quantifying efficiency of retroviral gene delivery. <i>Biotechnology and Bioengineering</i> , 2002, 77, 668-667.	3.3	14
43	Ketalized poly(amino ester) for stimuli-responsive and biocompatible gene delivery. <i>Polymer Chemistry</i> , 2012, 3, 2570.	3.9	14
44	Glioma cell growth inhibition following photochemical internalization enhanced nonviral PTEN gene transfection. <i>Lasers in Surgery and Medicine</i> , 2012, 44, 746-754.	2.1	12
45	Stimuli-responsive siRNA carriers for efficient gene silencing in tumors via systemic delivery. <i>Biomaterials Science</i> , 2014, 2, 35-40.	5.4	12
46	Impact of Cell Growth Morphology on Retroviral Transduction: Effect of Contact Inhibition. <i>Biotechnology Progress</i> , 2001, 17, 240-246.	2.6	11
47	Temperature and pH-responsive in situ hydrogels of gelatin derivatives to prevent the reoccurrence of brain tumor. <i>Biomedicine and Pharmacotherapy</i> , 2021, 143, 112144.	5.6	11
48	siRNA as a conventional drug in the clinic? Challenges and current technologies. <i>Drug Discovery Today: Technologies</i> , 2012, 9, e167-e173.	4.0	10
49	Extracellular vesicles with high dual drug loading for safe and efficient combination chemo-phototherapy. <i>Biomaterials Science</i> , 2022, 10, 2817-2830.	5.4	9
50	Imaging and quantifying Brownian motion of micro- and nanoparticles using phase-resolved Doppler variance optical coherence tomography. <i>Journal of Biomedical Optics</i> , 2013, 18, 030504.	2.6	8
51	Synthetically Functionalized Retroviruses Produced from the Bioorthogonally Engineered Cell Surface. <i>Bioconjugate Chemistry</i> , 2011, 22, 151-155.	3.6	7
52	Facile synthesis of high-molecular-weight acid-labile polypeptides using urethane derivatives. <i>Journal of Polymer Science Part A</i> , 2015, 53, 280-286.	2.3	7
53	Isolation of intact proteins from acid-degradable polyacrylamide gel. <i>Proteomics</i> , 2009, 9, 3765-3771.	2.2	6
54	Separation and recovery of nucleic acids with improved biological activity by acid-degradable polyacrylamide gel electrophoresis. <i>Electrophoresis</i> , 2010, 31, 1656-1661.	2.4	6

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55	Engineering Analysis of Ex Vivo Retroviral Transduction System. <i>Annals of Biomedical Engineering</i> , 2002, 30, 731-742.	2.5	5
56	High-yield retroviral production using a temperature-modulated two-stage operation. <i>Biotechnology and Bioengineering</i> , 2005, 90, 365-372.	3.3	5
57	Biocompatible Chemotherapy for Leukemia by Acid-Cleavable, PEGylated FTY720. <i>Bioconjugate Chemistry</i> , 2020, 31, 673-684.	3.6	5
58	Eradication of Intracellular <i>Salmonella</i> Typhimurium by Polyplexes of Acid-Transforming Chitosan and Fragment DNA. <i>Macromolecular Bioscience</i> , 2021, 21, e2000408.	4.1	4
59	Evaluation of Retroviral Production Systems Using Quantitative Analysis. <i>Biotechnology Progress</i> , 2003, 19, 528-537.	2.6	3
60	Synthetically engineered viruses: Can synthetic chemistry tame the nature?. <i>Current Opinion in Solid State and Materials Science</i> , 2012, 16, 276-286.	11.5	3
61	Killing two birds or more with one stone. <i>Advanced Drug Delivery Reviews</i> , 2016, 98, 1-2.	13.7	3
62	Solvent-driven, self-assembled acid-responsive poly(ketalized serine)/siRNA complexes for RNA interference. <i>Biomaterials Science</i> , 2020, 8, 6718-6729.	5.4	2
63	Chemically Tuned Intracellular Gene Delivery by Core-Shell Nanoparticles: Effects of Proton Buffering, Acid Degradability, and Membrane Disruption. <i>ChemMedChem</i> , 2022, , .	3.2	2
64	Enhanced gene transfection by photochemical internalization of protomine sulfate/DNA complexes. , 2012, , .		1
65	Extracellular vesicles (EVs): Comprehensive packages with promises and complications for clinical translation and commercialization. <i>Methods</i> , 2020, 177, 1.	3.8	1
66	Differential Interaction of Retroviral Vector with Target Cell: Quantitative Effect of Cellular Receptor, Soluble Proteoglycan, and Cell Type on Gene Delivery Efficiency. <i>Tissue Engineering - Part A</i> , 2008, 14, 1497-1506.	3.1	0
67	Photochemical internalization (PCI) enhanced nonviral transfection of tumor suppressor and pro-drug activating genes; a potential treatment modality for gliomas. <i>Proceedings of SPIE</i> , 2014, , .	0.8	0
68	COVID-19: An unprecedented challenge and an opportunity for change. <i>Advanced Drug Delivery Reviews</i> , 2021, 171, 48-49.	13.7	0