Kinam Park

List of Publications by Citations

353 papers	20,914 citations	70 h-index	139 g-index
491 ext. papers	22,901 ext. citations	9.2 avg, IF	7.5 L-index

#	Paper	IF	Citations
353	Environment-sensitive hydrogels for drug delivery. *Advanced Drug Delivery Reviews*, **2001**, 53, 321-39	18.5	2713
352	Targeted drug delivery to tumors: myths, reality and possibility. *Journal of Controlled Release*, **2011**, 153, 198-205	11.7	1347
351	Smart Polymeric Gels: Redefining the Limits of Biomedical Devices. *Progress in Polymer Science*, **2007**, 32, 1083-1122	29.6	483
350	Overcoming the barriers in micellar drug delivery: loading efficiency, in vivo stability, and micelle-cell interaction. *Expert Opinion on Drug Delivery*, **2010**, 7, 49-62	8	426
349	Controlled drug delivery systems: past forward and future back. *Journal of Controlled Release*, **2014** , 190, 3-8	11.7	416
348	Polymeric micelles and alternative nanonized delivery vehicles for poorly soluble drugs. *International Journal of Pharmaceutics*, **2013**, 453, 198-214	6.5	392
347	Control of encapsulation efficiency and initial burst in polymeric microparticle systems. *Archives of Pharmacal Research*, **2004**, 27, 1-12	6.1	388
346	Prevention of Protein Adsorption by Tethered Poly(ethylene oxide) Layers: Experiments and Single-Chain Mean-Field Analysis. *Langmuir*, **1998**, 14, 176-186	4	381
345	Facing the truth about nanotechnology in drug delivery. *ACS Nano*, **2013**, 7, 7442-7	16.7	370
344	Synthesis of superporous hydrogels: hydrogels with fast swelling and superabsorbent properties. *Journal of Biomedical Materials Research Part B*, **1999**, 44, 53-62		348
343	Release of hydrophobic molecules from polymer micelles into cell membranes revealed by Forster resonance energy transfer imaging. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 6596-601	11.5	335
342	Advances in superporous hydrogels. *Journal of Controlled Release*, **2005**, 102, 3-12	11.7	319
341	Nanoparticles for oral delivery: targeted nanoparticles with peptidic ligands for oral protein delivery. *Advanced Drug Delivery Reviews*, **2013**, 65, 822-32	18.5	310
340	Analysis on the current status of targeted drug delivery to tumors. *Journal of Controlled Release*, **2012**, 164, 108-14	11.7	300
339	Tumor-homing multifunctional nanoparticles for cancer theragnosis: Simultaneous diagnosis, drug delivery, and therapeutic monitoring. *Journal of Controlled Release*, **2010**, 146, 219-27	11.7	297
338	Surface modification of polymeric biomaterials with poly(ethylene oxide), albumin, and heparin for reduced thrombogenicity. *Journal of Biomaterials Science, Polymer Edition*, **1993**, 4, 217-34	3.5	285
337	Polycation gene delivery systems: escape from endosomes to cytosol. *Journal of Pharmacy and Pharmacology*, **2003**, 55, 721-34	4.8	284

336	Mechanisms of controlled drug release from drug-eluting stents. *Advanced Drug Delivery Reviews*, **2006**, 58, 387-401	18.5	279
335	Fast release of lipophilic agents from circulating PEG-PDLLA micelles revealed by in vivo forster resonance energy transfer imaging. *Langmuir*, **2008**, 24, 5213-7	4	275
334	Issues in long-term protein delivery using biodegradable microparticles. *Journal of Controlled Release*, **2010**, 146, 241-60	11.7	274
333	Biodegradable Hydrogels for Drug Delivery		265
332	Engineered polymers for advanced drug delivery. *European Journal of Pharmaceutics and Biopharmaceutics*, **2009**, 71, 420-30	5.7	263
331	Hydrotropic polymer micelle system for delivery of paclitaxel. *Journal of Controlled Release*, **2005**, 101, 59-68	11.7	245
330	Biodegradable polymers for microencapsulation of drugs. *Molecules*, **2005**, 10, 146-61	4.8	214
329	Oral protein delivery: Current status and future prospect. *Reactive and Functional Polymers*, **2011**, 71, 280-287	4.6	204
328	Synthesis and characterization of superporous hydrogel composites. *Journal of Controlled Release*, **2000**, 65, 73-82	11.7	190
327	Controlled Drug Delivery: Historical perspective for the next generation. *Journal of Controlled Release*, **2015**, 219, 2-7	11.7	184
326	Hyaluronic acid-based nanocarriers for intracellular targeting: interfacial interactions with proteins in cancer. *Colloids and Surfaces B: Biointerfaces*, **2012**, 99, 82-94	6	184
325	PLA micro- and nano-particles. *Advanced Drug Delivery Reviews*, **2016**, 107, 176-191	18.5	172
324	Gastric retention properties of superporous hydrogel composites. *Journal of Controlled Release*, **2000**, 64, 39-51	11.7	170
323	Hydrotropic polymeric micelles for enhanced paclitaxel solubility: in vitro and in vivo characterization. *Biomacromolecules*, **2007**, 8, 202-8	6.9	168
322	Hydrogels for delivery of bioactive agents: a historical perspective. *Advanced Drug Delivery Reviews*, **2013**, 65, 17-20	18.5	165
321	Orally fast disintegrating tablets: developments, technologies, taste-masking and clinical studies. *Critical Reviews in Therapeutic Drug Carrier Systems*, **2004**, 21, 433-76	2.8	165
320	Effects of ethylene glycol-based graft, star-shaped, and dendritic polymers on solubilization and controlled release of paclitaxel. *Journal of Controlled Release*, **2003**, 93, 121-7	11.7	157
319	Local drug delivery via a coronary stent with programmable release pharmacokinetics. *Circulation*, **2003**, 107, 777-84	16.7	152

318	Biocompatibility issues of implantable drug delivery systems. *Pharmaceutical Research*, **1996**, 13, 1770-6	4.5	150
317	Hydrotropic agents for study of in vitro paclitaxel release from polymeric micelles. *Journal of Controlled Release*, **2004**, 97, 249-57	11.7	146
316	Small intestinal submucosa: a substrate for in vitro cell growth. *Journal of Biomaterials Science, Polymer Edition*, **1998**, 9, 863-78	3.5	145
315	Modulated insulin delivery from glucose-sensitive hydrogel dosage forms. *Journal of Controlled Release*, **2001**, 77, 39-47	11.7	137
314	Hydrotropic solubilization of paclitaxel: analysis of chemical structures for hydrotropic property. *Pharmaceutical Research*, **2003**, 20, 1022-30	4.5	135
313	Characterization of protein release through glucose-sensitive hydrogel membranes. *Biomaterials*, **1997**, 18, 801-6	15.6	131
312	Injectable, long-acting PLGA formulations: Analyzing PLGA and understanding microparticle formation. *Journal of Controlled Release*, **2019**, 304, 125-134	11.7	129
311	Swelling and mechanical properties of superporous hydrogels of poly(acrylamide-co-acrylic acid)/polyethylenimine interpenetrating polymer networks. *Polymer*, **2004**, 45, 189-196	3.9	121
310	Microencapsulation methods for delivery of protein drugs. *Biotechnology and Bioprocess Engineering*, **2001**, 6, 213-230	3.1	119
309	Development of an in vitro 3D tumor model to study therapeutic efficiency of an anticancer drug. *Molecular Pharmaceutics*, **2013**, 10, 2167-75	5.6	118
308	Hydrotropic polymer micelles containing acrylic acid moieties for oral delivery of paclitaxel. *Journal of Controlled Release*, **2008**, 132, 222-9	11.7	112
307	The hydrogel template method for fabrication of homogeneous nano/microparticles. *Journal of Controlled Release*, **2010**, 141, 314-9	11.7	110
306	Hydrotropic dendrimers of generations 4 and 5: synthesis, characterization, and hydrotropic solubilization of paclitaxel. *Bioconjugate Chemistry*, **2004**, 15, 1221-9	6.3	108
305	pH-sensitivity of fast responsive superporous hydrogels. *Journal of Biomaterials Science, Polymer Edition*, **2000**, 11, 1371-80	3.5	106
304	Simulation of complex transport of nanoparticles around a tumor using tumor-microenvironment-on-chip. *Journal of Controlled Release*, **2014**, 194, 157-67	11.7	103
303	A new hydrotropic block copolymer micelle system for aqueous solubilization of paclitaxel. *Journal of Controlled Release*, **2008**, 126, 122-9	11.7	103
302	Calculation of solvation interaction energies for protein adsorption on polymer surfaces. *Journal of Biomaterials Science, Polymer Edition*, **1991**, 3, 127-47	3.5	98
301	Blood-stable, tumor-adaptable disulfide bonded mPEG-(Cys)4-PDLLA micelles for chemotherapy. *Biomaterials*, **2013**, 34, 552-61	15.6	95

300	Smart Nanoparticles for Drug Delivery: Boundaries and Opportunities. *Chemical Engineering Science* , **2015**, 125, 158-164	4.4	94
299	Bioadhesive interaction and hypoglycemic effect of insulin-loaded lectin-microparticle conjugates in oral insulin delivery system. *Journal of Controlled Release*, **2005**, 102, 525-38	11.7	83
298	In vitro and in vivo studies of PEO-grafted blood-contacting cardiovascular prostheses. *Journal of Biomaterials Science, Polymer Edition*, **2000**, 11, 1121-34	3.5	83
297	Enhanced drug-loading and therapeutic efficacy of hydrotropic oligomer-conjugated glycol chitosan nanoparticles for tumor-targeted paclitaxel delivery. *Journal of Controlled Release*, **2013**, 172, 823-31	11.7	82
296	Hydrotropic solubilization of poorly water-soluble drugs. *Journal of Pharmaceutical Sciences*, **2010**, 99, 3953-65	3.9	81
295	Characterization of glucose dependent gel-sol phase transition of the polymeric glucose-concanavalin A hydrogel system. *Pharmaceutical Research*, **1996**, 13, 989-95	4.5	80
294	Hydrotropic oligomer-conjugated glycol chitosan as a carrier of paclitaxel: synthesis, characterization, and in vivo biodistribution. *Journal of Controlled Release*, **2009**, 140, 210-7	11.7	79
293	Smart hydrogels for bioseparation. *Bioseparation*, **1998**, 7, 177-84		79
292	Hydrotropic hyaluronic acid conjugates: Synthesis, characterization, and implications as a carrier of paclitaxel. *International Journal of Pharmaceutics*, **2010**, 394, 154-61	6.5	78
291	Pulmonary Codelivery of Doxorubicin and siRNA by pH-Sensitive Nanoparticles for Therapy of Metastatic Lung Cancer. *Small*, **2015**, 11, 4321-33	11	77
290	Elastic, superporous hydrogel hybrids of polyacrylamide and sodium alginate. *Macromolecular Bioscience*, **2006**, 6, 703-10	5.5	77
289	Development and evaluation of transferrin-stabilized paclitaxel nanocrystal formulation. *Journal of Controlled Release*, **2014**, 176, 76-85	11.7	76
288	A study of drug release from homogeneous PLGA microstructures. *Journal of Controlled Release*, **2010**, 146, 201-6	11.7	73
287	Effects of the Microparticle Shape on Cellular Uptake. *Molecular Pharmaceutics*, **2016**, 13, 2164-71	5.6	72
286	Neuroprotective ferulic acid (FA)-glycol chitosan (GC) nanoparticles for functional restoration of traumatically injured spinal cord. *Biomaterials*, **2014**, 35, 2355-2364	15.6	72
285	Self-assembled glycol chitosan nanoparticles for disease-specific theranostics. *Journal of Controlled Release*, **2014**, 193, 202-13	11.7	69
284	In vitro-in vivo correlation: perspectives on model development. *International Journal of Pharmaceutics*, **2011**, 418, 142-8	6.5	69
283	Preparation and swelling behavior of chitosan-based superporous hydrogels for gastric retention application. *Journal of Biomedical Materials Research - Part A*, **2006**, 76, 144-50	5.4	68

282	Pore structure of superporous hydrogels. *Polymers for Advanced Technologies*, **2000**, 11, 617-625	3.2	67
281	Recent developments in superporous hydrogels. *Journal of Pharmacy and Pharmacology*, **2007**, 59, 317-27	4.8	66
280	Grafting of PEO to glass, nitinol, and pyrolytic carbon surfaces by gamma irradiation. *Journal of Biomedical Materials Research Part B*, **1997**, 38, 289-302		65
279	BSA-FITC-loaded microcapsules for in vivo delivery. *Biomaterials*, **2009**, 30, 902-9	15.6	62
278	A new process for making reservoir-type microcapsules using ink-jet technology and interfacial phase separation. *Journal of Controlled Release*, **2003**, 93, 161-73	11.7	61
277	In situ visualization of paclitaxel distribution and release by coherent anti-Stokes Raman scattering microscopy. *Analytical Chemistry*, **2006**, 78, 8036-43	7.8	59
276	Study on the prevention of surface-induced platelet activation by albumin coating. *Journal of Biomaterials Science, Polymer Edition*, **1992**, 3, 375-88	3.5	59
275	To PEGylate or not to PEGylate, that is not the question. *Journal of Controlled Release*, **2010**, 142, 147-8	11.7	58
274	Synthesis and characterization of sol-gel phase-reversible hydrogels sensitive to glucose. *Journal of Molecular Recognition*, **1996**, 9, 549-57	2.6	58
273	Chemical gas-generating nanoparticles for tumor-targeted ultrasound imaging and ultrasound-triggered drug delivery. *Biomaterials*, **2016**, 108, 57-70	15.6	58
272	Superporous IPN hydrogels having enhanced mechanical properties. *AAPS PharmSciTech*, **2003**, 4, E51	3.9	57
271	Paclitaxel distribution in poly(ethylene glycol)/poly(lactide-co-glycolic acid) blends and its release visualized by coherent anti-Stokes Raman scattering microscopy. *Journal of Controlled Release*, **2007**, 122, 261-8	11.7	56
270	A new microencapsulation method using an ultrasonic atomizer based on interfacial solvent exchange. *Journal of Controlled Release*, **2004**, 100, 379-88	11.7	55
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268	Synergistic anti-tumor activity through combinational intratumoral injection of an in-situ injectable drug depot. *Biomaterials*, **2016**, 85, 232-45	15.6	51
267	Avasimibe encapsulated in human serum albumin blocks cholesterol esterification for selective cancer treatment. *ACS Nano*, **2015**, 9, 2420-32	16.7	50
266	Drug delivery applications for superporous hydrogels. *Expert Opinion on Drug Delivery*, **2012**, 9, 71-89	8	50
265	Hydrotropic polymer micelles as versatile vehicles for delivery of poorly water-soluble drugs. *Journal of Controlled Release*, **2011**, 152, 13-20	11.7	50

264	Drug delivery of the future: Chasing the invisible gorilla. *Journal of Controlled Release*, **2016**, 240, 2-8	11.7	47
263	Drug Delivery Research for the Future: Expanding the Nano Horizons and Beyond. *Journal of Controlled Release*, **2017**, 246, 183-184	11.7	45
262	Surface modification with PEO-containing triblock copolymer for improved biocompatibility: in vitro and ex vivo studies. *Journal of Biomaterials Science, Polymer Edition*, **1999**, 10, 1089-105	3.5	45
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260	Microparticles produced by the hydrogel template method for sustained drug delivery. *International Journal of Pharmaceutics*, **2014**, 461, 258-69	6.5	42
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257	Development of sustained release fast-disintegrating tablets using various polymer-coated ion-exchange resin complexes. *International Journal of Pharmaceutics*, **2008**, 353, 195-204	6.5	41
256	In vivo NIRF and MR dual-modality imaging using glycol chitosan nanoparticles. *Journal of Controlled Release*, **2012**, 163, 249-55	11.7	40
255	Albumin: a versatile carrier for drug delivery. *Journal of Controlled Release*, **2012**, 157, 3	11.7	39
254	In vitro and in vivo studies of enzyme-digestible hydrogels for oral drug delivery. *Journal of Controlled Release*, **1992**, 19, 131-144	11.7	39
253	Swelling and Mechanical Properties of Modified HEMA-based Superporous Hydrogels. *Journal of Bioactive and Compatible Polymers*, **2010**, 25, 483-497	2	38
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251	Questions on the role of the EPR effect in tumor targeting. *Journal of Controlled Release*, **2013**, 172, 391	11.7	37
250	Solvent exchange method: a novel microencapsulation technique using dual microdispensers. *Pharmaceutical Research*, **2004**, 21, 1419-27	4.5	37
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245	Advanced drug delivery 2020 and beyond: Perspectives on the future. *Advanced Drug Delivery Reviews*, **2020**, 158, 4-16	18.5	34
244	Impact of surfactant treatment of paclitaxel nanocrystals on biodistribution and tumor accumulation in tumor-bearing mice. *Journal of Controlled Release*, **2016**, 237, 168-76	11.7	34
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239	Hydrotropic magnetic micelles for combined magnetic resonance imaging and cancer therapy. *Journal of Controlled Release*, **2012**, 160, 692-8	11.7	32
238	Insulin-loaded microcapsules for in vivo delivery. *Molecular Pharmaceutics*, **2009**, 6, 353-65	5.6	32
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235	Recapitulation of complex transport and action of drugs at the tumor microenvironment using tumor-microenvironment-on-chip. *Cancer Letters*, **2016**, 380, 319-29	9.9	29
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232	Comparison of micelles formed by amphiphilic star block copolymers prepared in the presence of a nonmetallic monomer activator. *Journal of Polymer Science Part A*, **2008**, 46, 2084-2096	2.5	27
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227	Complex sameness: Separation of mixed poly(lactide-co-glycolide)s based on the lactide:glycolide ratio. *Journal of Controlled Release*, **2019**, 300, 174-184	11.7	26
226	Liquid crystalline drug delivery vehicles for oral and IV/subcutaneous administration of poorly soluble (and soluble) drugs. *International Journal of Pharmaceutics*, **2018**, 539, 175-183	6.5	25
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222	Hydrotropic Polymers: Synthesis and Characterization of Polymers Containing Picolylnicotinamide Moieties. *Macromolecules*, **2003**, 36, 2248-2255	5.5	23
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219	Reservoir-type microcapsules prepared by the solvent exchange method: effect of formulation parameters on microencapsulation of lysozyme. *Molecular Pharmaceutics*, **2006**, 3, 135-43	5.6	22
218	Dissolution Study on Aspirin and □-Glycine Crystals. *Journal of Physical Chemistry B*, **2004**, 108, 11219-11227	3.4	22
217	Self-aggregates of hydrophobically modified poly(2-hydroxyethyl aspartamide) in aqueous solution. *Colloid and Polymer Science*, **2003**, 281, 852-861	2.4	22
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214	Controlled drug delivery systems: the next 30 years. *Frontiers of Chemical Science and Engineering*, **2014**, 8, 276-279	4.5	21
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201	Silymarin-Loaded Nanoparticles Based on Stearic Acid-Modified Bletilla striata Polysaccharide for Hepatic Targeting. *Molecules*, **2016**, 21, 265	4.8	19
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189	Sophoridine-loaded PLGA microspheres for lung targeting: preparation, in vitro, and in vivo evaluation. *Drug Delivery*, **2016**, 23, 3674-3680	7	15
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186	Drug-eluting stent for delivery of signal pathway-specific 1,3-dipropyl-8-cyclopentyl xanthine. *Molecular Pharmaceutics*, **2009**, 6, 1110-7	5.6	14
185	Gastric Retention of Enzyme-Digestible Hydrogels in the Canine Stomach under Fasted and Fed Conditions. *ACS Symposium Series*, **1991**, 237-248	0.4	14
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183	Introduction and Overview of Oral Controlled Release Formulation Design **2010**, 1-19		13
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181	Drug release mechanisms from amorphous solid dispersions. *Journal of Controlled Release*, **2015**, 211, 171	11.7	12
180	Continuous in-line homogenization process for scale-up production of naltrexone-loaded PLGA microparticles. *Journal of Controlled Release*, **2020**, 325, 347-358	11.7	12
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