

Chulhee Kim

List of Publications by Year in descending order

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85
papers

4,792
citations

145106

33
h-index

104191

69
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89
all docs

89
docs citations

89
times ranked

6663
citing authors

#	ARTICLE	IF	CITATIONS
1	Mesoporous silica nanoparticles with cyclic peptide gatekeeper for stimulus-responsive drug release by conformational transformation. <i>Journal of Nanoparticle Research</i> , 2022, 24, 1.	0.8	0
2	Superoxide-Responsive Cargo Release of Mesoporous Silica Nanocontainers with Thioketal Linker. <i>Macromolecular Research</i> , 2022, 30, 751-754.	1.0	2
3	Peptide Materials for Smart Therapeutic Applications. <i>Macromolecular Research</i> , 2021, 29, 2-14.	1.0	12
4	Cyclodextrin Molecules, Polymers and Nanomaterials. <i>Macromolecular Research</i> , 2021, 29, 745-760.	1.0	6
5	Stimuli-Responsive Conformational Transformation of Peptides for Tunable Cytotoxicity. <i>Bioconjugate Chemistry</i> , 2020, 31, 43-50.	1.8	15
6	Stimuli-responsive conformational transformation of antimicrobial peptides stapled with an azobenzene unit. <i>New Journal of Chemistry</i> , 2020, 44, 14777-14780.	1.4	6
7	Stimulus-responsive conformational transformation of peptide with cell penetrating motif for triggered cytotoxicity. <i>New Journal of Chemistry</i> , 2020, 44, 19734-19741.	1.4	4
8	Stimuli-Responsive Peptide Gatekeepers for Smart Nanocarriers. <i>Macromolecular Research</i> , 2020, 28, 185-195.	1.0	5
9	Specific HER2 targeting and triggered drug release by conformational transformation of a dual-functional peptide gatekeeper on mesoporous nanocontainers. <i>New Journal of Chemistry</i> , 2019, 43, 11497-11502.	1.4	2
10	Cyclic iRGD peptide as a dual-functional on/off gatekeeper of mesoporous nanocontainers for targeting NRP-1 and selective drug release triggered by conformational conversion. <i>New Journal of Chemistry</i> , 2019, 43, 1517-1522.	1.4	9
11	Stimuli-Responsive Structural Transformation of Self-Assembled Dendron-Peptide Conjugate and Its Triggered Cargo Release. <i>Macromolecular Research</i> , 2019, 27, 105-108.	1.0	2
12	Dual-functional cyclic peptide switch on mesoporous nanocontainers for selective CD44 targeting and on/off gatekeeping triggered by conformational transformation. <i>New Journal of Chemistry</i> , 2018, 42, 12938-12944.	1.4	13
13	Mesoporous nanocarriers with a stimulus-responsive cyclodextrin gatekeeper for targeting tumor hypoxia. <i>Nanoscale</i> , 2017, 9, 6901-6909.	2.8	48
14	Mesoporous Silica Nanocarriers with Cyclic Peptide Gatekeeper: Specific Targeting of Aminopeptidase and Triggered Drug Release by Stimuli-Responsive Conformational Transformation. <i>Chemistry - A European Journal</i> , 2017, 23, 16966-16971.	1.7	19
15	Stimulus-Induced Conformational Transformation of a Cyclic Peptide for Selective Cell Targeting On/Off Gatekeeper for Mesoporous Nanocarriers. <i>Chemistry - an Asian Journal</i> , 2017, 12, 2813-2818.	1.7	10
16	Stimuli-responsive α -helical peptide gatekeepers for mesoporous silica nanocarriers. <i>New Journal of Chemistry</i> , 2017, 41, 6969-6972.	1.4	14
17	Self-Assembled Dendron-Cyclodextrin Nanotubes with a Polyethylenimine Surface and Their Gene Delivery Capability. <i>ChemPlusChem</i> , 2016, 81, 229-234.	1.3	3
18	NQO1 inhibits proteasome-mediated degradation of HIF-1. <i>Nature Communications</i> , 2016, 7, 13593.	5.8	125

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19	Nanotubular self-organization of amide dendrons with focal β -sheet forming peptide units. <i>Soft Matter</i> , 2016, 12, 7453-7456.	1.2	1
20	Generation Dependency of Stimuli-Responsive Dendron-Gated Mesoporous Silica Nanocontainers. <i>Macromolecular Research</i> , 2016, 24, 478-481.	1.0	9
21	A mesoporous nanocontainer gated by a stimuli-responsive peptide for selective triggering of intracellular drug release. <i>Nanoscale</i> , 2016, 8, 8070-8077.	2.8	24
22	Self-Organization and supramolecular transformation of amide dendron with focal azobenzene unit. <i>Macromolecular Research</i> , 2015, 23, 496-499.	1.0	4
23	Multifunctional hollow gold nanoparticles designed for triple combination therapy and CT imaging. <i>Journal of Controlled Release</i> , 2015, 207, 77-85.	4.8	93
24	Intracellular release of anticancer agents from a hollow silica nanocontainer with glutathione-responsive cyclodextrin gatekeepers. <i>New Journal of Chemistry</i> , 2014, 38, 4652-4655.	1.4	9
25	Stimuli-Responsive Conformational Conversion of Peptide Gatekeepers for Controlled Release of Guests from Mesoporous Silica Nanocontainers. <i>Journal of the American Chemical Society</i> , 2014, 136, 12880-12883.	6.6	74
26	Self-assembled dendron nanotubes with a surface peptide-fluorophore conjugate as a sensory vehicle. <i>New Journal of Chemistry</i> , 2013, 37, 3598.	1.4	6
27	Nanotubular Assembly of Amide Dendron and Cucurbiturils. <i>Chemistry - an Asian Journal</i> , 2013, 8, 2947-2950.	1.7	6
28	Solvent effects on self-assembly and superstructures of amide dendrons. <i>Macromolecular Research</i> , 2012, 20, 954-959.	1.0	4
29	A multifunctional mesoporous nanocontainer with an iron oxide core and a cyclodextrin gatekeeper for an efficient theranostic platform. <i>Journal of Materials Chemistry</i> , 2012, 22, 14061.	6.7	66
30	Fluorescent Dendron-Cyclodextrin Nanotubes with Surface Peptide Spacer as a Recyclable Sensory Platform. <i>Chemistry - A European Journal</i> , 2012, 18, 7351-7356.	1.7	8
31	Self-organization of amide dendrons with focal dipeptide units. <i>Soft Matter</i> , 2011, 7, 9021.	1.2	18
32	Functional supramolecular assemblies derived from dendritic building blocks. <i>Chemical Communications</i> , 2011, 47, 12042.	2.2	65
33	Hyperthermia improves therapeutic efficacy of doxorubicin carried by mesoporous silica nanocontainers in human lung cancer cells. <i>International Journal of Hyperthermia</i> , 2011, 27, 698-707.	1.1	31
34	Endoplasmic Reticulum Stress-Induced JNK Activation Is a Critical Event Leading to Mitochondria-Mediated Cell Death Caused by β -Lapachone Treatment. <i>PLoS ONE</i> , 2011, 6, e21533.	1.1	45
35	Synthetic Strategy of Low-Bandgap Organic Sensitizers and Their Photoelectron Injection Characteristics. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2010, 16, 1627-1634.	1.9	16
36	Glutathione-Induced Intracellular Release of Guests from Mesoporous Silica Nanocontainers with Cyclodextrin Gatekeepers. <i>Advanced Materials</i> , 2010, 22, 4280-4283.	11.1	329

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37	Self-Assembled dendron nanotubes: Surface functionalization with maltosyl units and their reversible complexation with Concanavalin A. <i>Journal of Polymer Science Part A</i> , 2010, 48, 730-734.	2.5	11
38	Systemic delivery and preclinical evaluation of Au nanoparticle containing β -lapachone for radiosensitization. <i>Journal of Controlled Release</i> , 2009, 139, 239-245.	4.8	73
39	Photoresponsive Cyclodextrin-Covered Nanocontainers and Their Sol-Gel Transition Induced by Molecular Recognition. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 1275-1278.	7.2	235
40	Self-organization of dendrons with focal pyrene moiety and diacetylene-containing periphery. <i>Macromolecular Research</i> , 2009, 17, 62-66.	1.0	4
41	Conjugated dendrimers with electrical bistability for organic memory application. <i>Macromolecular Research</i> , 2009, 17, 203-206.	1.0	0
42	Cyclodextrin-covered gold nanoparticles for targeted delivery of an anti-cancer drug. <i>Journal of Materials Chemistry</i> , 2009, 19, 2310.	6.7	179
43	Enzyme Responsive Nanocontainers with Cyclodextrin Gatekeepers and Synergistic Effects in Release of Guests. <i>Journal of the American Chemical Society</i> , 2009, 131, 16614-16615.	6.6	380
44	1-Methylxanthine enhances the radiosensitivity of tumor cells. <i>International Journal of Radiation Biology</i> , 2009, 85, 167-174.	1.0	5
45	Block copolymer micelles conjugated with anti-EGFR antibody for targeted delivery of anticancer drug. <i>Journal of Polymer Science Part A</i> , 2008, 46, 7321-7331.	2.5	53
46	Photoinduced Release of Guest Molecules by Supramolecular Transformation of Self-Assembled Aggregates Derived from Dendrons. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 2959-2963.	7.2	117
47	Tunable Fluorescent Dendron-Cyclodextrin Nanotubes for Hybridization with Metal Nanoparticles and Their Biosensory Function. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 9922-9926.	7.2	61
48	Disulfide-cross-linked PEG-poly(amino acid)s copolymer micelles for glutathione-mediated intracellular drug delivery. <i>Chemical Communications</i> , 2008, , 6570.	2.2	379
49	Gold nanoparticles passivated with β -conjugated dendrons and their electrical bistability. <i>Synthetic Metals</i> , 2008, 158, 359-363.	2.1	19
50	Fabrication of heterosensitizer-junction dye-sensitized solar cells. <i>Applied Physics Letters</i> , 2008, 92, .	1.5	28
51	Ferrocene-cored-conjugated dendrimer with electrical bistability. <i>Synthetic Metals</i> , 2007, 157, 640-643.	2.1	12
52	Synthesis of Polycatenar-Type Organogelators Based on Chalcone and Study of Their Supramolecular Architectures. <i>Chemistry of Materials</i> , 2007, 19, 460-467.	3.2	55
53	Supramolecular Ordering of Amide Dendrons in Lyotropic and Thermotropic Conditions. <i>Langmuir</i> , 2007, 23, 13109-13116.	1.6	11
54	Controlled Release of Guest Molecules from Mesoporous Silica Particles Based on a pH-Responsive Polypseudorotaxane Motif. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 1455-1457.	7.2	424

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55	Controlled assembly of carbon nanotubes encapsulated with amphiphilic block copolymer. Carbon, 2007, 45, 2072-2078.	5.4	28
56	Metal nanoparticles in the template of poly(2-ethyl-2-oxazoline)-block-poly(ϵ -caprolactone) micelle. Macromolecular Research, 2007, 15, 39-43.	1.0	17
57	Hydrogen-bonding induced alternating thin films of dendrimer and block copolymer micelle. Macromolecular Research, 2007, 15, 688-692.	1.0	11
58	Self-Organization of Amide Dendrons and Their Dendronized Macromolecules. Langmuir, 2006, 22, 3812-3817.	1.6	33
59	Conjugated dendrimers with triazine peripheries and a distyrylanthracene core. Journal of Polymer Science Part A, 2006, 44, 5855-5862.	2.5	6
60	Synthesis and luminescence characteristics of conjugated dendrimers with 2,4,6-triaryl-1,3,5-triazine periphery. Journal of Polymer Science Part A, 2006, 44, 254-263.	2.5	15
61	Synthesis and self-organization characteristics of amide dendrons with focal ferrocenyl moiety. Macromolecular Research, 2006, 14, 235-239.	1.0	11
62	Cyclodextrin-covered organic nanotubes derived from self-assembly of dendrons and their supramolecular transformation. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 1199-1203.	3.3	130
63	Microstructural analysis and structure-property relationship of poly(glycolide-co-1,3-trimethylene) Tj ETQq1 1 0.784314 rgBT /Overlo	1.8	13
64	Complexation of anionic conjugated polyelectrolyte with cationic surfactant. Macromolecular Research, 2005, 13, 460-462.	1.0	3
65	Synthesis and Micellar Characteristics of Dendron ⁿ -PEG Conjugates. Langmuir, 2005, 21, 4334-4339.	1.6	38
66	Self-organization of dendron-poly(ethylene glycol) conjugates in an aqueous phase. Macromolecular Research, 2004, 12, 528-533.	1.0	11
67	Supramolecular Self-assembly of Dimeric Dendrons with Aromatic Bridge Units. Chemistry of Materials, 2004, 16, 3872-3876.	3.2	31
68	Synthesis and Micellar Behavior of Amphiphilic Polystyrene ⁿ -Poly[bis(methoxyethoxyethoxy)phosphazene] Block Copolymers. Macromolecules, 2004, 37, 7163-7167.	2.2	63
69	Polymeric micelles of poly(2-ethyl-2-oxazoline)-block-poly(ϵ -caprolactone) copolymer as a carrier for paclitaxel. Journal of Controlled Release, 2003, 89, 437-446.	4.8	235
70	Stabilization of Supramolecular Nanostructures Induced by Self-Assembly of Dendritic Building Blocks. Chemistry of Materials, 2003, 15, 3638-3642.	3.2	75
71	Complexation of Poly(2-ethyl-2-oxazoline)-block-poly(ϵ -caprolactone) Micelles with Multifunctional Carboxylic Acids. Macromolecules, 2002, 35, 193-200.	2.2	63
72	Supramolecular Assembly of Amide Dendrons. Journal of the American Chemical Society, 2001, 123, 5586-5587.	6.6	116

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73	Synthesis of polyhydrazones by diazo coupling reaction of bisacetoacetamides with diazonium salts. <i>Polymer Bulletin</i> , 2001, 46, 285-290.	1.7	4
74	Synthesis and photophysical characterization of amphiphilic dendritic-linear-dendritic block copolymers. <i>Journal of Polymer Science Part A</i> , 2001, 39, 918-926.	2.5	41
75	Hyperbranched Poly(ether ketone) Analogues with Heterocyclic Triazine Moiety: Synthesis and Peripheral Functionalization. <i>Macromolecular Chemistry and Physics</i> , 2001, 202, 263-269.	1.1	27
76	Preparation of a PEG-grafted phospholipid Langmuir-Blodgett monolayer for blood-compatible material. <i>Journal of Biomedical Materials Research Part B</i> , 2000, 52, 836-840.	3.0	25
77	Synthesis and structural characterisation of hyperbranched poly(benzyl ether) analogs with 1,3,5-s-triazine moiety. <i>Macromolecular Chemistry and Physics</i> , 2000, 201, 1808-1812.	1.1	12
78	Phase-transition characteristics of amphiphilic poly(2-ethyl-2-oxazoline)/poly(ϵ -caprolactone) block copolymers in aqueous solutions. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2000, 38, 2400-2408.	2.4	32
79	Amphiphilic Linear PEO \sim Dendritic Carbosilane Block Copolymers. <i>Macromolecules</i> , 2000, 33, 4496-4500.	2.2	91
80	Synthesis of Triarmed Poly(ethylene oxide) \sim Deoxycholic Acid Conjugate and Its Micellar Characteristics. <i>Langmuir</i> , 2000, 16, 10566-10568.	1.6	34
81	Amphiphilic Diblock Copolymers Based on Poly(2-ethyl-2-oxazoline) and Poly(1,3-trimethylene) Tj ETQq1 1 0.784314,rgBT /Overlock 1	2.2	96
82	Synthesis and Micellar Characterization of Amphiphilic Diblock Copolymers Based on Poly(2-ethyl-2-oxazoline) and Aliphatic Polyesters1. <i>Macromolecules</i> , 1999, 32, 1847-1852.	2.2	200
83	A Covalently Interconnected Phosphazene \sim Silicate Network: Synthesis and Surface Functionalization. <i>Journal of Inorganic and Organometallic Polymers</i> , 1998, 8, 205-214.	1.5	2
84	Dendritic Hyperbranched Polyethynylenes with the 1,3,5-s-Triazine Moiety. <i>Macromolecules</i> , 1996, 29, 6353-6355.	2.2	36
85	Synthesis of New Poly(enaryloxynitrile)s Containing Flexible Ether Units and Thermal Properties. <i>Polymer Journal</i> , 1995, 27, 536-541.	1.3	4