Chulhee Kim

List of Publications by Year
in descending order

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85 papers	4,792 citations	126901 33 h-index	91872 69 g-index
89 all docs	89 docs citations	89 times ranked	5831 citing authors

#	Article	IF	Citations
1	Mesoporous silica nanoparticles with cyclic peptide gatekeeper for stimulus-responsive drug release by conformational transformation. Journal of Nanoparticle Research, 2022, 24, 1.	1.9	0
2	Superoxide-Responsive Cargo Release of Mesoporous Silica Nanocontainers with Thioketal Linker. Macromolecular Research, 2022, 30, 751-754.	2.4	2
3	Peptide Materials for Smart Therapeutic Applications. Macromolecular Research, 2021, 29, 2-14.	2.4	12
4	Cyclodextrin Molecules, Polymers and Nanomaterials. Macromolecular Research, 2021, 29, 745-760.	2.4	6
5	Stimuli-Responsive Conformational Transformation of Peptides for Tunable Cytotoxicity. Bioconjugate Chemistry, 2020, 31, 43-50.	3.6	15
6	Stimuli-responsive conformational transformation of antimicrobial peptides stapled with an azobenzene unit. New Journal of Chemistry, 2020, 44, 14777-14780.	2.8	6
7	Stimulus-responsive conformational transformation of peptide with cell penetrating motif for triggered cytotoxicity. New Journal of Chemistry, 2020, 44, 19734-19741.	2.8	4
8	Stimuli-Responsive Peptide Gatekeepers for Smart Nanocarriers. Macromolecular Research, 2020, 28, 185-195.	2.4	5
9	Specific HER2 targeting and triggered drug release by conformational transformation of a dual-functional peptide gatekeeper on mesoporous nanocontainers. New Journal of Chemistry, 2019, 43, 11497-11502.	2.8	2
10	Cyclic iRGD peptide as a dual-functional onâ€“off gatekeeper of mesoporous nanocontainers for targeting NRP-1 and selective drug release triggered by conformational conversion. New Journal of Chemistry, 2019, 43, 1517-1522.	2.8	9
11	Stimuli-Responsive Structural Transformation of Self-Assembled Dendron-Peptide Conjugate and Its Triggered Cargo Release. Macromolecular Research, 2019, 27, 105-108.	2.4	2
12	Dual-functional cyclic peptide switch on mesoporous nanocontainers for selective CD44 targeting and onâ€“off gatekeeping triggered by conformational transformation. New Journal of Chemistry, 2018, 42, 12938-12944.	2.8	13
13	Mesoporous nanocarriers with a stimulus-responsive cyclodextrin gatekeeper for targeting tumor hypoxia. Nanoscale, 2017, 9, 6901-6909.	5.6	48
14	Mesoporous Silica Nanocarriers with Cyclic Peptide Gatekeeper: Specific Targeting of Aminopeptidaseâ€…N and Triggered Drug Release by Stimuliâ€Responsive Conformational Transformation. Chemistry - A European Journal, 2017, 23, 16966-16971.	3.3	19
15	Stimulusâ€Induced Conformational Transformation of a Cyclic Peptide for Selective Cellâ€Targeting Onâ€“Off Gatekeeper for Mesoporous Nanocarriers. Chemistry - an Asian Journal, 2017, 12, 2813-2818.	3.3	10
16	Stimuli-responsive Î±-helical peptide gatekeepers for mesoporous silica nanocarriers. New Journal of Chemistry, 2017, 41, 6969-6972.	2.8	14
17	Selfâ€Assembled Dendronâ€“Cyclodextrin Nanotubes with a Polyethylenimine Surface and Their Gene Delivery Capability. ChemPlusChem, 2016, 81, 229-234.	2.8	3
18	NQO1 inhibits proteasome-mediated degradation of HIF-1Î±. Nature Communications, 2016, 7, 13593.	12.8	125

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19	Nanotubular self-organization of amide dendrons with focal Î²-sheet forming peptide units. Soft Matter, 2016, 12, 7453-7456.	2.7	1
20	Generation Dependency of Stimuli-Responsive Dendron-Gated Mesoporous Silica Nanocontainers. Macromolecular Research, 2016, 24, 478-481.	2.4	9
21	A mesoporous nanocontainer gated by a stimuli-responsive peptide for selective triggering of intracellular drug release. Nanoscale, 2016, 8, 8070-8077.	5.6	24
22	Self-Organization and supramolecular transformation of amide dendron with focal azobenzene unit. Macromolecular Research, 2015, 23, 496-499.	2.4	4
23	Multifunctional hollow gold nanoparticles designed for triple combination therapy and CT imaging. Journal of Controlled Release, 2015, 207, 77-85.	9.9	93
24	Intracellular release of anticancer agents from a hollow silica nanocontainer with glutathione-responsive cyclodextrin gatekeepers. New Journal of Chemistry, 2014, 38, 4652-4655.	2.8	9
25	Stimuli-Responsive Conformational Conversion of Peptide Gatekeepers for Controlled Release of Guests from Mesoporous Silica Nanocontainers. Journal of the American Chemical Society, 2014, 136, 12880-12883.	13.7	74
26	Self-assembled dendron nanotubes with a surface peptideâ€“fluorophore conjugate as a sensory vehicle. New Journal of Chemistry, 2013, 37, 3598.	2.8	6
27	Nanotubular Assembly of Amide Dendron and Cucurbiturils. Chemistry - an Asian Journal, 2013, 8, 2947-2950.	3.3	6
28	Solvent effects on self-assembly and superstructures of amide dendrons. Macromolecular Research, 2012, 20, 954-959.	2.4	4
29	A multifunctional mesoporous nanocontainer with an iron oxide core and a cyclodextrin gatekeeper for an efficient theranostic platform. Journal of Materials Chemistry, 2012, 22, 14061.	6.7	66
30	Fluorescent Dendronâ€“Cyclodextrin Nanotubes with Surface Peptide Spacer as a Recyclable Sensory Platform. Chemistry - A European Journal, 2012, 18, 7351-7356.	3.3	8
31	Self-organization of amide dendrons with focal dipeptide units. Soft Matter, 2011, 7, 9021.	2.7	18
32	Functional supramolecular assemblies derived from dendritic building blocks. Chemical Communications, 2011, 47, 12042.	4.1	65
33	Hyperthermia improves therapeutic efficacy of doxorubicin carried by mesoporous silica nanocontainers in human lung cancer cells. International Journal of Hyperthermia, 2011, 27, 698-707.	2.5	31
34	Endoplasmic Reticulum Stress-Induced JNK Activation Is a Critical Event Leading to Mitochondria-Mediated Cell Death Caused by Î²-Lapachone Treatment. PLoS ONE, 2011, 6, e21533.	2.5	45
35	Synthetic Strategy of Low-Bandgap Organic Sensitizers and Their Photoelectron Injection Characteristics. IEEE Journal of Selected Topics in Quantum Electronics, 2010, 16, 1627-1634.	2.9	16
36	Glutathioneâ€Induced Intracellular Release of Guests from Mesoporous Silica Nanocontainers with Cyclodextrin Gatekeepers. Advanced Materials, 2010, 22, 4280-4283.	21.0	329

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37	Selfâ€assembled dendron nanotubes: Surface functionalization with maltosyl units and their reversible complexation with Concanavalin A. Journal of Polymer Science Part A, 2010, 48, 730-734.	2.3	11
38	Systemic delivery and preclinical evaluation of Au nanoparticle containing Î²-lapachone for radiosensitization. Journal of Controlled Release, 2009, 139, 239-245.	9.9	73
39	Photoresponsive Cyclodextrinâ€Covered Nanocontainers and Their Solâ€Gel Transition Induced by Molecular Recognition. Angewandte Chemie - International Edition, 2009, 48, 1275-1278.	13.8	235
40	Self-organization of dendrons with focal pyrene moiety and diacetylene-containing periphery. Macromolecular Research, 2009, 17, 62-66.	2.4	4
41	Conjugated dendrimers with electrical bistability for organic memory application. Macromolecular Research, 2009, 17, 203-206.	2.4	0
42	Cyclodextrin-covered gold nanoparticles for targeted delivery of an anti-cancer drug. Journal of Materials Chemistry, 2009, 19, 2310.	6.7	179
43	Enzyme Responsive Nanocontainers with Cyclodextrin Gatekeepers and Synergistic Effects in Release of Guests. Journal of the American Chemical Society, 2009, 131, 16614-16615.	13.7	380
44	1-Methylxanthine enhances the radiosensitivity of tumor cells. International Journal of Radiation Biology, 2009, 85, 167-174.	1.8	5
45	Block copolymer micelles conjugated with antiâ€EGFR antibody for targeted delivery of anticancer drug. Journal of Polymer Science Part A, 2008, 46, 7321-7331.	2.3	53
46	Photoinduced Release of Guest Molecules by Supramolecular Transformation of Selfâ€Assembled Aggregates Derived from Dendrons. Angewandte Chemie - International Edition, 2008, 47, 2959-2963.	13.8	117
47	Tunable Fluorescent Dendronâ€Cyclodextrin Nanotubes for Hybridization with Metal Nanoparticles and Their Biosensory Function. Angewandte Chemie - International Edition, 2008, 47, 9922-9926.	13.8	61
48	Disulfide-cross-linked PEG-poly(amino acid)s copolymer micelles for glutathione-mediated intracellular drug delivery. Chemical Communications, 2008, , 6570.	4.1	379
49	Gold nanoparticles passivated with Ï€-conjugated dendrons and their electrical bistability. Synthetic Metals, 2008, 158, 359-363.	3.9	19
50	Fabrication of heterosensitizer-junction dye-sensitized solar cells. Applied Physics Letters, 2008, 92, .	3.3	28
51	Ferrocene-cored-conjugated dendrimer with electrical bistability. Synthetic Metals, 2007, 157, 640-643.	3.9	12
52	Synthesis of Polycatenar-Type Organogelators Based on Chalcone and Study of Their Supramolecular Architectures. Chemistry of Materials, 2007, 19, 460-467.	6.7	55
53	Supramolecular Ordering of Amide Dendrons in Lyotropic and Thermotropic Conditions. Langmuir, 2007, 23, 13109-13116.	3.5	11
54	Controlled Release of Guest Molecules from Mesoporous Silica Particles Based on a pH-Responsive Polypseudorotaxane Motif. Angewandte Chemie - International Edition, 2007, 46, 1455-1457.	13.8	424

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55	Controlled assembly of carbon nanotubes encapsulated with amphiphilic block copolymer. Carbon, 2007, 45, 2072-2078.	10.3	28
56	Metal nanoparticles in the template of poly(2-ethyl-2-oxazoline)-block-poly(Îµ-caprolactone) micelle. Macromolecular Research, 2007, 15, 39-43.	2.4	17
57	Hydrogen-bonding induced alternating thin films of dendrimer and block copolymer micelle. Macromolecular Research, 2007, 15, 688-692.	2.4	11
58	Self-Organization of Amide Dendrons and Their Dendronized Macromolecules. Langmuir, 2006, 22, 3812-3817.	3.5	33
59	Conjugated dendrimers with triazine peripheries and a distyrylanthracene core. Journal of Polymer Science Part A, 2006, 44, 5855-5862.	2.3	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.	2.3	15
61	Synthesis and self-organization characteristics of amide dendrons with focal ferrocenyl moiety. Macromolecular Research, 2006, 14, 235-239.	2.4	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.	7.1	130
63	Microstructural analysis and structure-property relationship of poly(glycolide-co-1,3-trimethylene) Tj ETQq1 1 0.784314 rgBT /Overloc	3.8	13
64	Complexation of anionic conjugated polyelectrolyte with cationic surfactant. Macromolecular Research, 2005, 13, 460-462.	2.4	3
65	Synthesis and Micellar Characteristics of Dendronâ^'PEG Conjugates. Langmuir, 2005, 21, 4334-4339.	3.5	38
66	Self-organization of dendron-poly(ethylene glycol) conjugates in an aqueous phase. Macromolecular Research, 2004, 12, 528-533.	2.4	11
67	Supramolecular Self-assembly of Dimeric Dendrons with Aromatic Bridge Units. Chemistry of Materials, 2004, 16, 3872-3876.	6.7	31
68	Synthesis and Micellar Behavior of Amphiphilic Polystyreneâ^'Poly[bis(methoxyethoxyethoxy)phosphazene] Block Copolymers. Macromolecules, 2004, 37, 7163-7167.	4.8	63
69	Polymeric micelles of poly(2-ethyl-2-oxazoline)-block-poly(Îµ-caprolactone) copolymer as a carrier for paclitaxel. Journal of Controlled Release, 2003, 89, 437-446.	9.9	235
70	Stabilization of Supramolecular Nanostructures Induced by Self-Assembly of Dendritic Building Blocks. Chemistry of Materials, 2003, 15, 3638-3642.	6.7	75
71	Complexation of Poly(2-ethyl-2-oxazoline)-block-poly(Îµ-caprolactone) Micelles with Multifunctional Carboxylic Acids. Macromolecules, 2002, 35, 193-200.	4.8	63
72	Supramolecular Assembly of Amide Dendrons. Journal of the American Chemical Society, 2001, 123, 5586-5587.	13.7	116

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73	Synthesis of polyhydrazones by diazo coupling reaction of bisacetoacetamides with diazonium salts. Polymer Bulletin, 2001, 46, 285-290.	3.3	4
74	Synthesis and photophysical characterization of amphiphilic dendritic-linear-dendritic block copolymers. Journal of Polymer Science Part A, 2001, 39, 918-926.	2.3	41
75	Hyperbranched Poly(ether ketone) Analogues with Heterocyclic Triazine Moiety: Synthesis and Peripheral Functionalization. Macromolecular Chemistry and Physics, 2001, 202, 263-269.	2.2	27
76	Preparation of a PEG-grafted phospholipid Langmuir-Blodgett monolayer for blood-compatible material. Journal of Biomedical Materials Research Part B, 2000, 52, 836-840.	3.1	25
77	Synthesis and structural characterisation of hyperbranched poly(benzyl ether) analogs with 1,3,5-s-triazine moiety. Macromolecular Chemistry and Physics, 2000, 201, 1808-1812.	2.2	12
78	Phase-transition characteristics of amphiphilic poly(2-ethyl-2-oxazoline)/poly(?-caprolactone) block copolymers in aqueous solutions. Journal of Polymer Science, Part B: Polymer Physics, 2000, 38, 2400-2408.	2.1	32
79	Amphiphilic Linear PEOâ˜'Dendritic Carbosilane Block Copolymers. Macromolecules, 2000, 33, 4496-4500.	4.8	91
80	Synthesis of Triarmed Poly(ethylene oxide)â˜'Deoxycholic Acid Conjugate and Its Micellar Characteristics. Langmuir, 2000, 16, 10566-10568.	3.5	34
81	Amphiphilic Diblock Copolymers Based on Poly(2-ethyl-2-oxazoline) and Poly(1,3-trimethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10	4.8	96
82	Synthesis and Micellar Characterization of Amphiphilic Diblock Copolymers Based on Poly(2-ethyl-2-oxazoline) and Aliphatic Polyesters1. Macromolecules, 1999, 32, 1847-1852.	4.8	200
83	A Covalently Interconnected Phosphazeneâ€"Silicate Network: Synthesis and Surface Functionalization. Journal of Inorganic and Organometallic Polymers, 1998, 8, 205-214.	1.5	2
84	Dendritic Hyperbranched Polyethynylenes with the 1,3,5-s-Triazine Moiety. Macromolecules, 1996, 29, 6353-6355.	4.8	36
85	Synthesis of New Poly(enaryloxynitrile)s Containing Flexible Ether Units and Thermal Properties. Polymer Journal, 1995, 27, 536-541.	2.7	4