

Chiyoung Park

List of Publications by Year in descending order

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58
papers

4,494
citations

159358

30
h-index

128067

60
g-index

71
all docs

71
docs citations

71
times ranked

6619
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	A highly efficient organic sensitizer for dye-sensitized solar cells. <i>Chemical Communications</i> , 2007, , 4887.	2.2	417
3	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
4	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
5	Glutathione-induced Intracellular Release of Guests from Mesoporous Silica Nanocontainers with Cyclodextrin Gatekeepers. <i>Advanced Materials</i> , 2010, 22, 4280-4283.	11.1	329
6	Ultrahigh-throughput exfoliation of graphite into pristine "single-layer"™ graphene using microwaves and molecularly engineered ionic liquids. <i>Nature Chemistry</i> , 2015, 7, 730-736.	6.6	291
7	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
8	Cyclodextrin-covered gold nanoparticles for targeted delivery of an anti-cancer drug. <i>Journal of Materials Chemistry</i> , 2009, 19, 2310.	6.7	179
9	Carbon Nanotubes/Heteroatom-doped Carbon Core-shell Nanostructures as Highly Active, Metal-free Oxygen Reduction Electrocatalysts for Alkaline Fuel Cells. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 4102-4106.	7.2	168
10	Cyclodextrin-covered organic nanotubes derived from self-assembly of dendrons and their supramolecular transformation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 1199-1203.	3.3	130
11	Colloidal inverse bicontinuous cubic membranes of block copolymers with tunable surface functional groups. <i>Nature Chemistry</i> , 2014, 6, 534-541.	6.6	129
12	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
13	Gelation of Helical Polypeptide-Random Coil Diblock Copolymers by a Nanoribbon Mechanism. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 7964-7968.	7.2	94
14	Spatially mineralized self-assembled polymeric nanocarriers with enhanced robustness and controlled drug-releasing property. <i>Chemical Communications</i> , 2010, 46, 377-379.	2.2	94
15	Functional supramolecular assemblies derived from dendritic building blocks. <i>Chemical Communications</i> , 2011, 47, 12042.	2.2	65
16	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
17	Mesoporous monoliths of inverse bicontinuous cubic phases of block copolymer bilayers. <i>Nature Communications</i> , 2015, 6, 6392.	5.8	57
18	Solution Self-Assembly of Block Copolymers Containing a Branched Hydrophilic Block into Inverse Bicontinuous Cubic Mesophases. <i>ACS Nano</i> , 2015, 9, 3084-3096.	7.3	55

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19	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
20	A Morphological Transition of Inverse Mesophases of a Branched-Linear Block Copolymer Guided by Using Cosolvents. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 10483-10487.	7.2	53
21	Signal-Induced Release of Guests from a Photolabile Phenolic Supramolecular Cage and Its Hybrid Assemblies. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 5485-5489.	7.2	45
22	Synthesis and Micellar Characteristics of Dendron-PEG Conjugates. <i>Langmuir</i> , 2005, 21, 4334-4339.	1.6	38
23	Structural Requirements of Block Copolymers for Self-Assembly into Inverse Bicontinuous Cubic Mesophases in Solution. <i>Macromolecules</i> , 2016, 49, 4510-4519.	2.2	38
24	Facile Supramolecular Processing of Carbon Nanotubes and Polymers for Electromechanical Sensors. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 16180-16185.	7.2	35
25	Self-assembly of dendron-helical polypeptide copolymers: organogels and lyotropic liquid crystals. <i>Chemical Communications</i> , 2006, , 1372.	2.2	34
26	Self-Organization of Amide Dendrons and Their Dendronized Macromolecules. <i>Langmuir</i> , 2006, 22, 3812-3817.	1.6	33
27	Supramolecular Self-assembly of Dimeric Dendrons with Aromatic Bridge Units. <i>Chemistry of Materials</i> , 2004, 16, 3872-3876.	3.2	31
28	Controlled assembly of carbon nanotubes encapsulated with amphiphilic block copolymer. <i>Carbon</i> , 2007, 45, 2072-2078.	5.4	28
29	Carboxylated Pillar[5]arene-Coated Gold Nanoparticles with Chemical Stability and Enzyme-Like Activity. <i>Chemistry - an Asian Journal</i> , 2014, 9, 2761-2764.	1.7	25
30	Gold nanoparticles passivated with β -conjugated dendrons and their electrical bistability. <i>Synthetic Metals</i> , 2008, 158, 359-363.	2.1	19
31	Self-organization of amide dendrons with focal dipeptide units. <i>Soft Matter</i> , 2011, 7, 9021.	1.2	18
32	Metal nanoparticles in the template of poly(2-ethyl-2-oxazoline)-block-poly(μ -caprolactone) micelle. <i>Macromolecular Research</i> , 2007, 15, 39-43.	1.0	17
33	Electro-Mechanochemical Gating of a Metal-Phenolic Nanocage for Controlled Guest-Release Self-Powered Patches and Injectable Gels. <i>ACS Nano</i> , 2021, 15, 14580-14586.	7.3	16
34	Synthesis and luminescence characteristics of conjugated dendrimers with 2,4,6-triaryl-1,3,5-triazine periphery. <i>Journal of Polymer Science Part A</i> , 2006, 44, 254-263.	2.5	15
35	Pillar[n]arenes and Other Cavitands: Aspects of Complex Thermodynamics. <i>Chinese Journal of Chemistry</i> , 2015, 33, 311-318.	2.6	13
36	Ferrocene-cored-conjugated dendrimer with electrical bistability. <i>Synthetic Metals</i> , 2007, 157, 640-643.	2.1	12

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37	Self-organization of dendron-poly(ethylene glycol) conjugates in an aqueous phase. <i>Macromolecular Research</i> , 2004, 12, 528-533.	1.0	11
38	Synthesis and self-organization characteristics of amide dendrons with focal ferrocenyl moiety. <i>Macromolecular Research</i> , 2006, 14, 235-239.	1.0	11
39	Supramolecular Ordering of Amide Dendrons in Lyotropic and Thermotropic Conditions. <i>Langmuir</i> , 2007, 23, 13109-13116.	1.6	11
40	Hydrogen-bonding induced alternating thin films of dendrimer and block copolymer micelle. <i>Macromolecular Research</i> , 2007, 15, 688-692.	1.0	11
41	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
42	Doubly responsive polymersomes towards monosaccharides and temperature under physiologically relevant conditions. <i>Polymer Chemistry</i> , 2015, 6, 4080-4088.	1.9	11
43	Facile Supramolecular Processing of Carbon Nanotubes and Polymers for Electromechanical Sensors. <i>Angewandte Chemie</i> , 2017, 129, 16398-16403.	1.6	10
44	Electrical Adaptiveness and Electromechanical Response in Gel Composites of Carbon Nanomaterials. <i>ChemElectroChem</i> , 2018, 5, 3589-3596.	1.7	7
45	Conjugated dendrimers with triazine peripheries and a distyrylanthracene core. <i>Journal of Polymer Science Part A</i> , 2006, 44, 5855-5862.	2.5	6
46	Signal-Induced Release of Guests from a Photolabile Metal-Phenolic Supramolecular Cage and Its Hybrid Assemblies. <i>Angewandte Chemie</i> , 2017, 129, 5577-5581.	1.6	6
47	Predicting whether aromatic molecules would prefer to enter a carbon nanotube: A density functional theory study. <i>Journal of Computational Chemistry</i> , 2020, 41, 1261-1270.	1.5	6
48	Self-organization of dendrons with focal pyrene moiety and diacetylene-containing periphery. <i>Macromolecular Research</i> , 2009, 17, 62-66.	1.0	4
49	Mechanochemical Synthesis of Polydiphenylamine Derivatives from a Supramolecular Eutectic Liquid of Diphenylamine with Benzophenone. <i>Bulletin of the Korean Chemical Society</i> , 2019, 40, 914-916.	1.0	4
50	Selective Hybridization of Dendron-Cyclodextrin Nanotubes with Metal Nanoparticles. <i>Bulletin of the Korean Chemical Society</i> , 2009, 30, 2759-2761.	1.0	4
51	Design of Mechanized Nanocomposites for Exploring New Chemical Motions. <i>Asian Journal of Organic Chemistry</i> , 2019, 8, 1601-1609.	1.3	2
52	Electrically Healable and Mechano-Sensitive Gel Composites of Carbon Nanotubes and Conducting Polymers. <i>ChemElectroChem</i> , 2020, 7, 3229-3232.	1.7	2
53	Light-Induced Transport of Water and Guest Molecules in Mesoporous Silica Nanocontainer Interface. <i>Macromolecular Research</i> , 2020, 28, 650-652.	1.0	1
54	Conjugated dendrimers with electrical bistability for organic memory application. <i>Macromolecular Research</i> , 2009, 17, 203-206.	1.0	0

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55	Enhanced elastic characteristics of ionic liquids with carbon nanotubes by mixing with a large quantity of graphene. <i>Macromolecular Research</i> , 2014, 22, 682-684.	1.0	0
56	Innentitelbild: Signal-Induced Release of Guests from a Photolabile Metal-Phenolic Supramolecular Cage and Its Hybrid Assemblies (<i>Angew. Chem.</i> 20/2017). <i>Angewandte Chemie</i> , 2017, 129, 5458-5458.	1.6	0
57	Frontispiece: Facile Supramolecular Processing of Carbon Nanotubes and Polymers for Electromechanical Sensors. <i>Angewandte Chemie - International Edition</i> , 2017, 56, .	7.2	0
58	Frontispiz: Facile Supramolecular Processing of Carbon Nanotubes and Polymers for Electromechanical Sensors. <i>Angewandte Chemie</i> , 2017, 129, .	1.6	0