

Ja-Hyoung Ryu

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

83

papers

3,982

citations

35

h-index

62

g-index

93

ext. papers

4,504

ext. citations

8.4

avg, IF

5.47

L-index

#	Paper	IF	Citations
83	Self-cross-linked polymer nanogels: a versatile nanoscopic drug delivery platform. <i>Journal of the American Chemical Society</i> , 2010 , 132, 17227-35	16.4	443
82	Aqueous self-assembly of aromatic rod building blocks. <i>Chemical Communications</i> , 2008 , 1043-54	5.8	241
81	Cloaking nanoparticles with protein corona shield for targeted drug delivery. <i>Nature Communications</i> , 2018 , 9, 4548	17.4	184
80	Surface-functionalizable polymer nanogels with facile hydrophobic guest encapsulation capabilities. <i>Journal of the American Chemical Society</i> , 2010 , 132, 8246-7	16.4	179
79	Redox-sensitive disassembly of amphiphilic copolymer based micelles. <i>Langmuir</i> , 2010 , 26, 7086-92	4	168
78	Noncovalent encapsulation stabilities in supramolecular nanoassemblies. <i>Journal of the American Chemical Society</i> , 2010 , 132, 10683-5	16.4	144
77	Mitochondria localization induced self-assembly of peptide amphiphiles for cellular dysfunction. <i>Nature Communications</i> , 2017 , 8, 26	17.4	119
76	Noncovalent Polymer-Gatekeeper in Mesoporous Silica Nanoparticles as a Targeted Drug Delivery Platform. <i>Advanced Functional Materials</i> , 2015 , 25, 957-965	15.6	119
75	Carbohydrate-coated supramolecular structures: transformation of nanofibers into spherical micelles triggered by guest encapsulation. <i>Journal of the American Chemical Society</i> , 2007 , 129, 4808-14	16.4	116
74	Cancer-mitochondria-targeted photodynamic therapy with supramolecular assembly of HA and a water soluble NIR cyanine dye. <i>Chemical Science</i> , 2017 , 8, 8351-8356	9.4	103
73	Highly ordered gold nanotubes using thiols at a cleavable block copolymer interface. <i>Journal of the American Chemical Society</i> , 2009 , 131, 9870-1	16.4	98
72	Self-assembling molecular dumbbells: from nanohelices to nanocapsules triggered by guest intercalation. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 5304-7	16.4	96
71	Self-assembly of rod-coil molecules into molecular length-dependent organization. <i>Journal of the American Chemical Society</i> , 2004 , 126, 3551-8	16.4	92
70	Supramolecular reactor from self-assembly of rod-coil molecule in aqueous environment. <i>Journal of the American Chemical Society</i> , 2004 , 126, 8082-3	16.4	91
69	Development of a mitochondria-targeted Hsp90 inhibitor based on the crystal structures of human TRAP1. <i>Journal of the American Chemical Society</i> , 2015 , 137, 4358-67	16.4	89
68	Carbohydrate-coated nanocapsules from amphiphilic rod-coil molecule: binding to bacterial type 1 pili. <i>Chemical Communications</i> , 2005 , 2035-7	5.8	75
67	Transformation of isotropic fluid to nematic gel triggered by dynamic bridging of supramolecular nanocylinders. <i>Journal of the American Chemical Society</i> , 2005 , 127, 14170-1	16.4	75

66	Hyaluronic Acid-Coated Nanomedicine for Targeted Cancer Therapy. <i>Pharmaceutics</i> , 2019 , 11,	6.4	67
65	Multifunctional molecular design as an efficient polymeric binder for silicon anodes in lithium-ion batteries. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 18001-7	9.5	67
64	MOF [Biopolymer: Collaborative Combination of Metal-Organic Framework and Biopolymer for Advanced Anticancer Therapy. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 27512-27520	9.5	66
63	Concurrent binding and delivery of proteins and lipophilic small molecules using polymeric nanogels. <i>Journal of the American Chemical Society</i> , 2012 , 134, 6964-7	16.4	66
62	Glycoconjugate nanoribbons from the self-assembly of carbohydrate-peptide block molecules for controllable bacterial cell cluster formation. <i>Biomacromolecules</i> , 2007 , 8, 1404-8	6.9	64
61	Ligand-decorated nanogels: fast one-pot synthesis and cellular targeting. <i>Biomacromolecules</i> , 2012 , 13, 1515-22	6.9	61
60	Room-Temperature Crosslinkable Natural Polymer Binder for High-Rate and Stable Silicon Anodes. <i>Advanced Functional Materials</i> , 2020 , 30, 1908433	15.6	52
59	Synthesis and Supramolecular Nanostructure of Amphiphilic Rigid Aromatic-Flexible Dendritic Block Molecules. <i>Chemistry of Materials</i> , 2004 , 16, 4226-4231	9.6	46
58	Heterochiral Assembly of Amphiphilic Peptides Inside the Mitochondria for Supramolecular Cancer Therapeutics. <i>ACS Nano</i> , 2019 , 13, 11022-11033	16.7	44
57	Rigid-flexible block molecules based on a laterally extended aromatic segment: hierarchical assembly into single fibers, flat ribbons, and twisted ribbons. <i>Chemistry - A European Journal</i> , 2008 , 14, 6957-66	4.8	44
56	Liquid Crystalline Assembly of Rod-Coil Molecules 2007 , 63-98		43
55	Supramolecular reactor in an aqueous environment: aromatic cross Suzuki coupling reaction at room temperature. <i>Journal of Organic Chemistry</i> , 2005 , 70, 8956-62	4.2	43
54	Noncovalent Surface Locking of Mesoporous Silica Nanoparticles for Exceptionally High Hydrophobic Drug Loading and Enhanced Colloidal Stability. <i>Biomacromolecules</i> , 2015 , 16, 2701-14	6.9	42
53	Ordered nanostructures from the self-assembly of reactive coil-rod-coil molecules. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 650-3	16.4	39
52	Self-Assembling Molecular Dumbbells: From Nanohelices to Nanocapsules Triggered by Guest Intercalation. <i>Angewandte Chemie</i> , 2006 , 118, 5430-5433	3.6	39
51	Recent Progress in Mitochondria-Targeted Drug and Drug-Free Agents for Cancer Therapy. <i>Cancers</i> , 2019 , 12,	6.6	39
50	Natural polypeptide-based supramolecular nanogels for stable noncovalent encapsulation. <i>Biomacromolecules</i> , 2013 , 14, 3515-22	6.9	38
49	Tubular assembly of amphiphilic rigid macrocycle with flexible dendrons. <i>Chemical Communications</i> , 2005 , 1770-2	5.8	37

48	Tunable bacterial agglutination and motility inhibition by self-assembled glyco-nanoribbons. <i>Chemistry - an Asian Journal</i> , 2007 , 2, 1363-9	4.5	35
47	Cancer-Targeted Nanomedicine: Overcoming the Barrier of the Protein Corona. <i>Advanced Therapeutics</i> , 2020 , 3, 1900124	4.9	35
46	Mix-and-Match Assembly of Block Copolymer Blends in Solution. <i>Macromolecules</i> , 2017 , 50, 3234-3243	5.5	33
45	Hyaluronic Acid-Modified Polymeric Gatekeepers on Biodegradable Mesoporous Silica Nanoparticles for Targeted Cancer Therapy. <i>ACS Biomaterials Science and Engineering</i> , 2018 , 4, 1716-1722	5.5	33
44	Cytocompatible cross-linking of degradable LbL films based on thiol-exchange reaction. <i>Chemical Science</i> , 2015 , 6, 4698-4703	9.4	33
43	Spatiotemporally and Sequentially-Controlled Drug Release from Polymer Gatekeeper-Hollow Silica Nanoparticles. <i>Scientific Reports</i> , 2017 , 7, 46540	4.9	31
42	Self-organization of bent rod molecules into hexagonally ordered vesicular columns. <i>Journal of the American Chemical Society</i> , 2012 , 134, 13871-80	16.4	30
41	Supramolecular helical columns from the self-assembly of chiral rods. <i>Chemistry - A European Journal</i> , 2008 , 14, 871-81	4.8	30
40	Externally controlled drug release using a gold nanorod contained composite membrane. <i>Nanoscale</i> , 2016 , 8, 11949-55	7.7	30
39	The HA-incorporated nanostructure of a peptide-drug amphiphile for targeted anticancer drug delivery. <i>Chemical Communications</i> , 2016 , 52, 5637-40	5.8	29
38	Effect of Hofmeister ions on the size and encapsulation stability of polymer nanogels. <i>Langmuir</i> , 2013 , 29, 50-5	4	29
37	Control of peptide assembly through directional interactions. <i>Chemical Communications</i> , 2012 , 48, 8481-3	3.8	29
36	Intra-mitochondrial biomineralization for inducing apoptosis of cancer cells. <i>Chemical Science</i> , 2018 , 9, 2474-2479	9.4	28
35	A siloxane-incorporated copolymer as an in situ cross-linkable binder for high performance silicon anodes in Li-ion batteries. <i>Nanoscale</i> , 2016 , 8, 9245-53	7.7	28
34	Synergistic Effect of Photothermal Therapy and Chemotherapy Using Camptothecin-Conjugated Gold Nanorods. <i>Particle and Particle Systems Characterization</i> , 2018 , 35, 1700307	3.1	18
33	Helical Organization of m-Linked Rigid Polymers with Pendant Flexible Dendrons. <i>Macromolecules</i> , 2005 , 38, 2050-2052	5.5	17
32	Tunable Columnar Organization by Twisted Stacking of End-Capped Aromatic Rods. <i>Chemistry of Materials</i> , 2007 , 19, 6569-6574	9.6	16
31	Tailorable degradation of pH-responsive all polyether micelles via copolymerisation with varying acetal groups. <i>Polymer Chemistry</i> , 2019 , 10, 582-592	4.9	14

30	The power of the ring: a pH-responsive hydrophobic epoxide monomer for superior micelle stability. <i>Polymer Chemistry</i> , 2017 , 8, 7119-7132	4.9	13
29	Self-Assembly of Mitochondria-Targeted Photosensitizer to Increase Photostability and Photodynamic Therapeutic Efficacy in Hypoxia. <i>Chemistry - A European Journal</i> , 2020 , 26, 10695-10701	4.8	12
28	Reduction-Triggered Self-Cross-Linked Hyperbranched Polyglycerol Nanogels for Intracellular Delivery of Drugs and Proteins. <i>Macromolecular Bioscience</i> , 2018 , 18, e1700356	5.5	11
27	Organization of branched rod-coil molecules into a 3-D tetragonally perforated lamellar mesophase. <i>Chemical Communications</i> , 2004 , 1092-3	5.8	11
26	Dual Binding to Orthosteric and Allosteric Sites Enhances the Anticancer Activity of a TRAP1-Targeting Drug. <i>Journal of Medicinal Chemistry</i> , 2020 , 63, 2930-2940	8.3	10
25	Importance of Encapsulation Stability of Nanocarriers with High Drug Loading Capacity for Increasing in Vivo Therapeutic Efficacy. <i>Biomacromolecules</i> , 2018 , 19, 3030-3039	6.9	9
24	Chain Architecture Dependent 3-Dimensional Supramolecular Assembly of Rod-Coil Molecules with a Conjugated Hexa-p-phenylene Rod. <i>Macromolecular Rapid Communications</i> , 2006 , 27, 1684-1688	4.8	9
23	Array-Based Protein Sensing Using an Aggregation-Induced Emission (AIE) Light-Up Probe. <i>ACS Omega</i> , 2018 , 3, 9276-9281	3.9	8
22	Observation of an unprecedented body centered cubic micellar mesophase from rod-coil molecules. <i>Chemical Communications</i> , 2007 , 2920-2	5.8	8
21	Mitochondrial heat shock protein-guided photodynamic therapy. <i>Chemical Communications</i> , 2019 , 55, 12631-12634	5.8	8
20	Hypersound-Enhanced Intracellular Delivery of Drug-Loaded Mesoporous Silica Nanoparticles in a Non-Endosomal Pathway. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 19734-19742	9.5	7
19	Intra-mitochondrial self-assembly to overcome the intracellular enzymatic degradation of l-peptides. <i>Chemical Communications</i> , 2020 , 56, 6265-6268	5.8	7
18	Targeting senescent retinal pigment epithelial cells facilitates retinal regeneration in mouse models of age-related macular degeneration. <i>GeroScience</i> , 2021 , 43, 2809-2833	8.9	5
17	Comparison of the immune activation capacities of fucoidan and laminarin extracted from <i>Laminaria japonica</i> . <i>International Journal of Biological Macromolecules</i> , 2022 , 208, 230-242	7.9	5
16	Ordered Nanostructures from the Self-Assembly of Reactive CoilRodCoil Molecules. <i>Angewandte Chemie</i> , 2006 , 118, 666-669	3.6	4
15	Synthesis of liquid crystalline rod-coil dimers based on poly(propylene oxide) coil. <i>Polymer Bulletin</i> , 2000 , 44, 393-400	2.4	4
14	Spatiotemporal Self-Assembly of Peptides Dictates Cancer-Selective Toxicity. <i>Biomacromolecules</i> , 2020 , 21, 4806-4813	6.9	4
13	Intramitochondrial Disulfide Polymerization Controls Cancer Cell Fate. <i>ACS Nano</i> , 2021 , 15, 14492-14508	6.7	4

12	Drug resistance-free cytotoxic nanodrugs in composites for cancer therapy. <i>Journal of Materials Chemistry B</i> , 2021 , 9, 3143-3152	7.3	3
11	Mitochondrial Membrane Disrupting Molecules for Selective Killing of Senescent Cells. <i>ChemBioChem</i> , 2021 , 22, 3391-3397	3.8	3
10	Novel Therapeutic Application of Self-Assembly Peptides Targeting the Mitochondria in and Experimental Models of Gastric Cancer. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	2
9	Phosphate-Functionalized Stabilized F127 Nanoparticles: Introduction of Discrete Surface Charges and Electrophoretic Determination of Aggregation Number. <i>Macromolecular Research</i> , 2019 , 27, 657-662	1.9	1
8	Creating Tunable Mesoporosity by Temperature-Driven Localized Crystallite Agglomeration.. <i>Small</i> , 2022 , e2107006	11	1
7	Intra-mitochondrial reaction for cancer cell imaging and anti-cancer therapy by aggregation-induced emission.. <i>RSC Advances</i> , 2020 , 10, 43383-43388	3.7	1
6	Supramolecular protection-mediated one-pot synthesis of cationic gold nanoparticles. <i>Journal of Industrial and Engineering Chemistry</i> , 2020 , 81, 303-308	6.3	1
5	Application of self-assembly peptides targeting the mitochondria as a novel treatment for sorafenib-resistant hepatocellular carcinoma cells. <i>Scientific Reports</i> , 2021 , 11, 874	4.9	1
4	Quaternary ammonium-based mitochondria targeting anticancer agents with high water solubility. <i>Bulletin of the Korean Chemical Society</i> ,	1.2	0
3	An Insight into Characterizations and Applications of Nanoparticulate Targeted Drug Delivery Systems 2019 , 417-453		
2	Bioactive Supramolecular Assembly of Peptide Amphiphiles to Control Cellular Fate. <i>World Scientific Series in Nanoscience and Nanotechnology</i> , 2019 , 27-65	0.1	
1	Creating Tunable Mesoporosity by Temperature-Driven Localized Crystallite Agglomeration (Small 7/2022). <i>Small</i> , 2022 , 18, 2270030	11	