So-Jung Park

List of Publications by Year
in descending order

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62 papers	2,428 citations	186265 28 h-index	206112 48 g-index
63 all docs	63 docs citations	63 times ranked	3414 citing authors

#	Article	IF	Citations
1	Nanoparticle cellular internalization is not required for RNA delivery to mature plant leaves. Nature Nanotechnology, 2022, 17, 197-205.	31.5	80
2	Optically Left-Handed Nanopearl Beads with Inductance-Capacitance Circuits at Visibleâ€“Near-Infrared Frequencies Based on Scalable Methods. ACS Applied Materials & Interfaces, 2022, 14, 7121-7129.	8.0	1
3	Magnetic Field-Induced Self-Assembly of Conjugated Block Copolymers and Nanoparticles at the Airâ€“Water Interface. ACS Applied Materials & Interfaces, 2022, 14, 8266-8273.	8.0	7
4	In Situ Liquid Phase TEM of Nanoparticle Formation and Diffusion in a Phase-Separated Medium. ACS Applied Materials & Interfaces, 2022, 14, 22810-22817.	8.0	4
5	Shapeâ€Changing DNAâ€Linked Nanoparticle Films Dictated by Lateral and Vertical Patterns. Advanced Materials, 2022, 34, e2109091.	21.0	6
6	Heterogeneity in Dynamic Metamolecules. Journal of Physical Chemistry C, 2022, 126, 6668-6677.	3.1	0
7	The core composition of DNA block copolymer micelles dictates DNA hybridization properties, nuclease stabilities, and cellular uptake efficiencies. Nanoscale, 2021, 13, 13758-13763.	5.6	7
8	Correlating 3D Surface Atomic Structure and Catalytic Activities of Pt Nanocrystals. Nano Letters, 2021, 21, 1175-1183.	9.1	20
9	Janus Nanosheets with Faceâ€Selective Molecular Recognition Properties from DNAâ€“Peptide Conjugates. Small, 2021, 17, e2006110.	10.0	15
10	Synthesis, Assembly, Optical Properties, and Sensing Applications of Plasmonic Gap Nanostructures. Advanced Materials, 2021, 33, e2006966.	21.0	58
11	Controlled Assembly of Plasmonic Nanoparticles: From Static to Dynamic Nanostructures. Advanced Materials, 2021, 33, e2007668.	21.0	70
12	Concurrent Imaging of Surface-Enhanced Raman and Mie Scattering from Built-in Nanogap Plasmonic Particles. Journal of Physical Chemistry Letters, 2021, 12, 5889-5896.	4.6	2
13	Size and Shape Control of Ice Crystals by Amphiphilic Block Copolymers and Their Implication in the Cryoprotection of Mesenchymal Stem Cells. ACS Applied Materials & Interfaces, 2021, 13, 33969-33980.	8.0	21
14	Optical Magnetic Multipolar Resonances in Large Dynamic Metamolecules. Journal of Physical Chemistry C, 2021, 125, 16605-16619.	3.1	4
15	Responsive Thin-Film Interference Colors from Polaronic Conjugated Block Copolymers. ACS Applied Materials & Interfaces, 2021, 13, 1555-1561.	8.0	8
16	Synthesis, Assembly, Optical Properties, and Sensing Applications of Plasmonic Gap Nanostructures (Adv. Mater. 46/2021). Advanced Materials, 2021, 33, 2170360.	21.0	13
17	Hypothermic Stem Cell Storage Using a Polypeptide Thermogel. Biomacromolecules, 2021, , .	5.4	3
18	Real-space imaging of nanoparticle transport and interaction dynamics by graphene liquid cell TEM. Science Advances, 2021, 7, eabi5419.	10.3	13

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19	Long-Range Order Self-Assembly of Conjugated Block Copolymers at Inclined Airâ€“Liquid Interfaces. ACS Applied Materials & Interfaces, 2020, 12, 5099-5105.	8.0	13
20	Distinct Optical Magnetism in Gold and Silver Probed by Dynamic Metamolecules. Journal of Physical Chemistry C, 2020, 124, 20436-20444.	3.1	8
21	Nanoparticle-Induced Self-Assembly of Block Copolymers into Nanoporous Films at the Airâ€“Water Interface. ACS Nano, 2020, 14, 12203-12209.	14.6	20
22	Synthesis and Single-Particle Surface-Enhanced Raman Scattering Study of Plasmonic Tripod Nanoframes with Y-Shaped Hot-Zones. Nano Letters, 2020, 20, 4362-4369.	9.1	38
23	Peptide-Driven Shape Control of Low-Dimensional DNA Nanostructures. ACS Nano, 2020, 14, 2276-2284.	14.6	25
24	Binary Self-Assembly of Conjugated Block Copolymers and Quantum Dots at the Airâ€“Liquid Interface into Ordered Functional Nanoarrays. ACS Applied Materials & Interfaces, 2019, 11, 28538-28545.	8.0	20
25	A dynamic DNA nanostructure with switchable and size-selective molecular recognition properties. Nanoscale, 2019, 11, 2501-2509.	5.6	16
26	Vesicle-like assemblies of ligand-stabilized nanoparticles with controllable membrane composition and properties. Nanoscale, 2019, 11, 1837-1846.	5.6	13
27	RuO₂â€coated MoS₂ Nanosheets as Cathode Catalysts for High Efficiency Liï£¿O₂ Batteries. Bulletin of the Korean Chemical Society, 2019, 40, 642-649.	1.9	11
28	Dynamic Nanostructures from DNAâ€Coupled Molecules, Polymers, and Nanoparticles. Small, 2019, 15, e1900504.	10.0	26
29	Controlling Magnetic Dipole Resonance in Raspberry-like Metamolecules. Journal of Physical Chemistry C, 2018, 122, 6808-6817.	3.1	17
30	DNA-Grafted Poly(acrylic acid) for One-Step DNA Functionalization of Iron Oxide Nanoparticles. Langmuir, 2018, 34, 14342-14346.	3.5	8
31	Airâ€“Liquid Interfacial Self-Assembly of Non-Amphiphilic Poly(3-hexylthiophene) Homopolymers. ACS Applied Materials & Interfaces, 2017, 9, 12865-12871.	8.0	16
32	Controlling Association and Separation of Gold Nanoparticles with Computationally Designed Zinc-Coordinating Proteins. Journal of the American Chemical Society, 2017, 139, 17811-17823.	13.7	18
33	Shape-controlled syntheses of metal oxide nanoparticles by the introduction of rare-earth metals. Nanoscale, 2017, 9, 2732-2738.	5.6	9
34	Shape changing thin films powered by DNA hybridization. Nature Nanotechnology, 2017, 12, 41-47.	31.5	51
35	Unusual Weak Interparticle Distance Dependence in Raman Enhancement from Nanoparticle Dimers. Journal of Physical Chemistry C, 2016, 120, 1824-1830.	3.1	17
36	DNA Island Formation on Binary Block Copolymer Vesicles. Journal of the American Chemical Society, 2016, 138, 10157-10162.	13.7	30

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37	Surfactantâ€Assisted Emulsion Selfâ€Assembly of Nanoparticles into Hollow Vesicleâ€Like Structures and 2D Plates. Advanced Functional Materials, 2016, 26, 7791-7798.	14.9	31
38	Self-Assembly: Surfactant-Assisted Emulsion Self-Assembly of Nanoparticles into Hollow Vesicle-Like Structures and 2D Plates (Adv. Funct. Mater. 43/2016). Advanced Functional Materials, 2016, 26, 7944-7944.	14.9	0
39	Multimodal Shape Transformation of Dual-Responsive DNA Block Copolymers. Journal of the American Chemical Society, 2016, 138, 14941-14947.	13.7	60
40	Directional Self-Assembly of Ligand-Stabilized Gold Nanoparticles into Hollow Vesicles through Dynamic Ligand Rearrangement. Langmuir, 2015, 31, 4299-4304.	3.5	24
41	Raspberry-like Metamolecules Exhibiting Strong Magnetic Resonances. ACS Nano, 2015, 9, 1263-1270.	14.6	83
42	Modal interference in spiky nanoshells. Optics Express, 2015, 23, 11290.	3.4	4
43	Airâ€“Liquid Interfacial Self-Assembly of Conjugated Block Copolymers into Ordered Nanowire Arrays. ACS Nano, 2014, 8, 12755-12762.	14.6	55
44	Size-Controlled Self-Assembly of Superparamagnetic Polymersomes. ACS Nano, 2014, 8, 495-502.	14.6	117
45	Silver Seeds and Aromatic Surfactants Facilitate the Growth of Anisotropic Metal Nanoparticles: Gold Triangular Nanoprisms and Ultrathin Nanowires. Chemistry of Materials, 2014, 26, 6172-6177.	6.7	31
46	Self-Assembly of DNA-Coupled Semiconducting Block Copolymers. Macromolecules, 2014, 47, 3720-3726.	4.8	40
47	Quadrupole-Enhanced Raman Scattering. ACS Nano, 2014, 8, 9025-9034.	14.6	41
48	Self-Assembly of Amphiphilic Conjugated Diblock Copolymers into One-Dimensional Nanoribbons. Macromolecules, 2014, 47, 161-164.	4.8	56
49	Polymersomes and Multicompartment Polymersomes Formed by the Interfacial Self-Assembly of Gold Nanoparticles and Amphiphilic Polymers. ACS Macro Letters, 2013, 2, 805-808.	4.8	31
50	Controlling the Location of Nanoparticles in Colloidal Assemblies of Amphiphilic Polymers by Tuning Nanoparticle Surface Chemistry. ACS Macro Letters, 2013, 2, 107-111.	4.8	60
51	Controlling the Topography and Surface Plasmon Resonance of Gold Nanoshells by a Templated Surfactant-Assisted Seed Growth Method. Journal of Physical Chemistry C, 2013, 117, 8916-8923.	3.1	46
52	Responsive Multidomain Free-Standing Films of Gold Nanoparticles Assembled by DNA-Directed Layer-by-Layer Approach. Nano Letters, 2013, 13, 4449-4455.	9.1	50
53	Hierarchical Self-Assembly of Amphiphilic Semiconducting Polymers into Isolated, Bundled, and Branched Nanofibers. ACS Nano, 2012, 6, 2844-2852.	14.6	141
54	Encapsulation of Poly(3-hexylthiophene) J-Aggregate Nanofibers with an Amphiphilic Block Copolymer. Langmuir, 2012, 28, 16401-16407.	3.5	20

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55	Spiky Gold Nanoshells: Synthesis and Enhanced Scattering Properties. Journal of Physical Chemistry C, 2012, 116, 10318-10324.	3.1	70
56	Controlling the Self-Assembly Structure of Magnetic Nanoparticles and Amphiphilic Block-Copolymers: From Micelles to Vesicles. Journal of the American Chemical Society, 2011, 133, 1517-1525.	13.7	307
57	Selfâ€Assembled Hybrid Structures of DNA Blockâ€Copolymers and Nanoparticles with Enhanced DNA Binding Properties. Small, 2010, 6, 2256-2260.	10.0	31
58	Spiky Gold Nanoshells. Langmuir, 2010, 26, 19170-19174.	3.5	61
59	Improving the Quantum Yields of Semiconductor Quantum Dots through Photoenhancement Assisted by Reducing Agents. Journal of Physical Chemistry C, 2009, 113, 7561-7566.	3.1	33
60	Interfacial Assembly of Nanoparticles in Discrete Blockâ€Copolymer Aggregates. Angewandte Chemie - International Edition, 2007, 46, 9235-9238.	13.8	77
61	Polymerâ^'DNA Hybrids as Electrochemical Probes for the Detection of DNA. Journal of the American Chemical Society, 2005, 127, 1170-1178.	13.7	157
62	DNAâ^'Block Copolymer Conjugates. Journal of the American Chemical Society, 2001, 123, 5592-5593.	13.7	100