Jongnam Park

List of Publications by Year in Descending Order

87 papers	14,000 citations	40 h-index	96 g-index
96 ext. papers	14,837 ext. citations	9 avg, IF	5.99 L-index

#	Paper	IF	Citations
87	Highly sensitive pregnancy test kit via oriented antibody conjugation on brush-type ligand-coated quantum beads. *Biosensors and Bioelectronics*, **2022**, 114441	11.8	2
86	Charge-Modulated Synthesis of Highly Stable Iron Oxide Nanoparticles for In Vitro and In Vivo Toxicity Evaluation. *Nanomaterials*, **2021**, 11,	5.4	2
85	Bandgap Modulation of CsAgInX (X = Cl and Br) Double Perovskite Nano- and Microcrystals via Cu Doping. *ACS Omega*, **2021**, 6, 26952-26958	3.9	2
84	Molecularly Smooth and Conformal Nanocoating by Amine-Mediated Redox Modulation of Catechol. *Chemistry of Materials*, **2021**, 33, 952-965	9.6	2
83	Highly Emissive Blue Quantum Dots with Superior Thermal Stability via In Situ Surface Reconstruction of Mixed CsPbBr -Cs PbBr Nanocrystals.. *Advanced Science*, **2021**, e2104660	13.6	5
82	Control of Particle Dispersion with Autophobic Dewetting in Polymer Nanocomposites. *Macromolecules*, **2020**, 53, 4836-4844	5.5	2
81	Development of Recombinant Immunoglobulin G-Binding Luciferase-Based Signal Amplifiers in Immunoassays. *Analytical Chemistry*, **2020**, 92, 5473-5481	7.8	4
80	Zinc Oxo Clusters Improve the Optoelectronic Properties on Indium Phosphide Quantum Dots. *Chemistry of Materials*, **2020**, 32, 2795-2802	9.6	5
79	Direct Chemical Imaging of Ligand-Functionalized Single Nanoparticles by Photoinduced Force Microscopy. *Journal of Physical Chemistry Letters*, **2020**, 11, 5785-5791	6.4	2
78	Synthesis and characterization of In1−xGaxP@ZnS alloy core-shell type colloidal quantum dots. *Journal of Industrial and Engineering Chemistry*, **2020**, 88, 106-110	6.3	7
77	High colloidal stability ZnO nanoparticles independent on solvent polarity and their application in polymer solar cells. *Scientific Reports*, **2020**, 10, 18055	4.9	8
76	Colloidal Suprastructures Self-Organized from Oppositely Charged All-Inorganic Nanoparticles. *Chemistry of Materials*, **2020**, 32, 8662-8671	9.6	3
75	Eco-Friendly Synthesis of Water-Glass-Based Silica Aerogels via Catechol-Based Modifier. *Nanomaterials*, **2020**, 10,	5.4	2
74	Superparamagnetic NiO-doped mesoporous silica flower-like microspheres with high nickel content. *Journal of Industrial and Engineering Chemistry*, **2020**, 81, 99-107	6.3	4
73	Synthesis of nano-sized urchin-shaped LiFePO for lithium ion batteries.. *RSC Advances*, **2019**, 9, 13714-13721	3.7	8
72	Facile synthesis and direct characterization of surface-charge-controlled magnetic iron oxide nanoparticles and their role in gene transfection in human leukemic T cell. *Applied Surface Science*, **2019**, 483, 1069-1080	6.7	11
71	Surface Ligand Engineering for Efficient Perovskite Nanocrystal-Based Light-Emitting Diodes. *ACS Applied Materials & Interfaces*, **2019**, 11, 8428-8435	9.5	76

70	Insertion of an Inorganic Barrier Layer as a Method of Improving the Performance of Quantum Dot Light-Emitting Diodes. *ACS Photonics*, **2019**, 6, 743-748	6.3	16
69	High-Performance CsPbX3 Perovskite Quantum-Dot Light-Emitting Devices via Solid-State Ligand Exchange. *ACS Applied Nano Materials*, **2018**, 1, 488-496	5.6	81
68	Enhanced Mechanical Properties of Polymer Nanocomposites Using Dopamine-Modified Polymers at Nanoparticle Surfaces in Very Low Molecular Weight Polymers. *ACS Macro Letters*, **2018**, 7, 962-967	6.6	13
67	Facile Method to Prepare for the NiP Nanostructures with Controlled Crystallinity and Morphology as Anode Materials of Lithium-Ion Batteries. *ACS Omega*, **2018**, 3, 7655-7662	3.9	15
66	Coordination Polymers for High-Capacity Li-Ion Batteries: Metal-Dependent Solid-State Reversibility. *ACS Applied Materials & Interfaces*, **2018**, 10, 22110-22118	9.5	22
65	Paclitaxel-induced formation of 3D nanocrystal superlattices within injectable protein-based hybrid nanoparticles. *Chemical Communications*, **2018**, 54, 11586-11589	5.8	3
64	Bio-Inspired Catecholamine-Derived Surface Modifier for Graphene-Based Organic Solar Cells. *ACS Applied Energy Materials*, **2018**, 1, 6463-6468	6.1	9
63	Large-Scale Synthesis of Highly Luminescent InP@ZnS Quantum Dots Using Elemental Phosphorus Precursor. *Chemistry of Materials*, **2017**, 29, 4236-4243	9.6	52
62	Seed-mediated synthesis of ultra-long copper nanowires and their application as transparent conducting electrodes. *Applied Surface Science*, **2017**, 422, 731-737	6.7	25
61	Transition Metal-Based Thiometallates as Surface Ligands for Functionalization of All-Inorganic Nanocrystals. *Chemistry of Materials*, **2017**, 29, 10510-10517	9.6	11
60	Molybdenum and Tungsten Sulfide Ligands for Versatile Functionalization of All-Inorganic Nanocrystals. *Journal of Physical Chemistry Letters*, **2016**, 7, 3627-35	6.4	13
59	Graphene Oxide Assisted Synthesis of Self-assembled Zinc Oxide for Lithium-Ion Battery Anode. *Chemistry of Materials*, **2016**, 28, 8498-8503	9.6	65
58	High-Performance Sodium-Ion Hybrid Supercapacitor Based on Nb2O5@Carbon Core–Shell Nanoparticles and Reduced Graphene Oxide Nanocomposites. *Advanced Functional Materials*, **2016**, 26, 3711-3719	15.6	312
57	Size-Dependent Activity Trends Combined with in Situ X-ray Absorption Spectroscopy Reveal Insights into Cobalt Oxide/Carbon Nanotube-Catalyzed Bifunctional Oxygen Electrocatalysis. *ACS Catalysis*, **2016**, 6, 4347-4355	13.1	95
56	All-solid-state lithium-ion batteries with TiS2 nanosheets and sulphide solid electrolytes. *Journal of Materials Chemistry A*, **2016**, 4, 10329-10335	13	76
55	Surface engineered gold nanoparticles through highly stable metal-surfactant complexes. *Journal of Colloid and Interface Science*, **2016**, 464, 110-6	9.3	4
54	Influence of four additional activators on hydrated-lime [Ca(OH) 2] activated ground granulated blast-furnace slag. *Cement and Concrete Composites*, **2016**, 65, 1-10	8.6	53
53	Thermally Cross-Linkable Diamino-Polyethylene Glycol Additive with Polymeric Binder for Stable Cyclability of Silicon Nanoparticle Based Negative Electrodes in Lithium Ion Batteries. *Science of Advanced Materials*, **2016**, 8, 252-256	2.3	6

52	Photon energy transfer by quantum dots in organic□inorganic hybrid solar cells through FRET. *Journal of Materials Chemistry A*, **2016**, 4, 10444-10453	13	20
51	Synergistic photocurrent addition in hybrid quantum dot: Bulk heterojunction solar cells. *Nano Energy*, **2015**, 13, 491-499	17.1	14
50	Influence of the structural modification of polycarboxylate copolymer with a low dispersing ability on the set-retarding of Portland cement. *KSCE Journal of Civil Engineering*, **2015**, 19, 1787-1794	1.9	7
49	High-Performance Flexible Organic Nano-Floating Gate Memory Devices Functionalized with Cobalt Ferrite Nanoparticles. *Small*, **2015**, 11, 4976-84	11	28
48	Inverted colloidal quantum dot solar cells. *Advanced Materials*, **2014**, 26, 3321-7	24	57
47	Synthesis, Characterization, and Application of Ultrasmall Nanoparticles. *Chemistry of Materials*, **2014**, 26, 59-71	9.6	291
46	Highly Biocompatible Carbon Nanodots for Simultaneous Bioimaging and Targeted Photodynamic Therapy In Vitro and In Vivo. *Advanced Functional Materials*, **2014**, 24, 5781-5789	15.6	170
45	Controlled specific placement of nanoparticles into microdomains of block copolymer thin films. *Thin Solid Films*, **2014**, 562, 338-342	2.2	2
44	Solution-processed CdS transistors with high electron mobility. *RSC Advances*, **2014**, 4, 3153-3157	3.7	14
43	Photodynamic Therapy: Highly Biocompatible Carbon Nanodots for Simultaneous Bioimaging and Targeted Photodynamic Therapy In Vitro and In Vivo (Adv. Funct. Mater. 37/2014). *Advanced Functional Materials*, **2014**, 24, 5774-5774	15.6	3
42	A new polymeric binder for silicon-carbon nanotube composites in lithium ion battery. *Macromolecular Research*, **2013**, 21, 826-831	1.9	17
41	Effects of ionic liquid molecules in hybrid PbS quantum dot-organic solar cells. *ACS Applied Materials & Interfaces*, **2013**, 5, 1757-60	9.5	33
40	Incorporation of thrombin cleavage peptide into a protein cage for constructing a protease-responsive multifunctional delivery nanoplatform. *Biomacromolecules*, **2012**, 13, 4057-64	6.9	30
39	Graphene Multilayer Supported Gold Nanoparticles for Efficient Electrocatalysts Toward Methanol Oxidation. *Advanced Energy Materials*, **2012**, 2, 1510-1518	21.8	49
38	Synthesis of Uniformly Sized Manganese Oxide Nanocrystals with Various Sizes and Shapes and Characterization of Their T1 Magnetic Resonance Relaxivity. *European Journal of Inorganic Chemistry*, **2012**, 2012, 2148-2155	2.3	62
37	Ordered Mesoporous Carbon Supported Colloidal Pd Nanoparticle Based Model Catalysts for Suzuki Coupling Reactions: Impact of Organic Capping Agents. *ChemCatChem*, **2012**, 4, 1587-1594	5.2	52
36	Exchange bias behavior of monodisperse Fe3O4/□Fe2O3 core/shell nanoparticles. *Current Applied Physics*, **2012**, 12, 808-811	2.6	24
35	Fabrication of Carbon Microcapsules Containing Silicon Nanoparticles-Carbon Nanotubes Nanocomposite for Anode in Lithium Ion Battery. *Bulletin of the Korean Chemical Society*, **2012**, 33, 3025-3032	1.3	6

34	Facile synthetic route for surface-functionalized magnetic nanoparticles: cell labeling and magnetic resonance imaging studies. *ACS Nano*, **2011**, 5, 4329-36	16.7	67
33	Compact biocompatible quantum dots via RAFT-mediated synthesis of imidazole-based random copolymer ligand. *Journal of the American Chemical Society*, **2010**, 132, 472-83	16.4	241
32	Supercritical Continuous-Microflow Synthesis of Narrow Size Distribution Quantum Dots. *Advanced Materials*, **2008**, 20, 4830-4834	24	135
31	Synthesis of uniform-sized bimetallic iron□nickel phosphide nanorods. *Journal of Solid State Chemistry*, **2008**, 181, 1609-1613	3.3	38
30	Synthesis of monodisperse spherical nanocrystals. *Angewandte Chemie - International Edition*, **2007**, 46, 4630-60	16.4	1613
29	Synthese monodisperser sph□ischer Nanokristalle. *Angewandte Chemie*, **2007**, 119, 4714-4745	3.6	134
28	Inter-particle and interfacial interaction of magnetic nanoparticles. *Journal of Magnetism and Magnetic Materials*, **2007**, 310, e806-e808	2.8	12
27	Kinetics of monodisperse iron oxide nanocrystal formation by "heating-up" process. *Journal of the American Chemical Society*, **2007**, 129, 12571-84	16.4	374
26	Synthesis of hollow iron nanoframes. *Journal of the American Chemical Society*, **2007**, 129, 5812-3	16.4	178
25	Synthesis and catalytic applications of uniform-sized nanocrystals. *Studies in Surface Science and Catalysis*, **2006**, 159, 47-54	1.8	3
24	Simultaneous phase- and size-controlled synthesis of TiO(2) nanorods via non-hydrolytic sol-gel reaction of syringe pump delivered precursors. *Journal of Physical Chemistry B*, **2006**, 110, 24318-23	3.4	105
23	Synthesis, characterization, and self-assembly of pencil-shaped CoO nanorods. *Journal of the American Chemical Society*, **2006**, 128, 9753-60	16.4	194
22	Effect of the casting solvent on the morphology of poly(styrene-b-isoprene) diblock copolymer/magnetic nanoparticle mixtures. *Langmuir*, **2006**, 22, 1375-8	4	38
21	Effect of interacting nanoparticles on the ordered morphology of block copolymer/nanoparticle mixtures. *Journal of Polymer Science, Part B: Polymer Physics*, **2006**, 44, 3571-3579	2.6	25
20	Ni/NiO core/shell nanoparticles for selective binding and magnetic separation of histidine-tagged proteins. *Journal of the American Chemical Society*, **2006**, 128, 10658-9	16.4	393
19	Large-scale synthesis of hexagonal pyramid-shaped ZnO nanocrystals from thermolysis of Zn-oleate complex. *Journal of Physical Chemistry B*, **2005**, 109, 14792-4	3.4	119
18	Generalized synthesis of metal phosphide nanorods via thermal decomposition of continuously delivered metal-phosphine complexes using a syringe pump. *Journal of the American Chemical Society*, **2005**, 127, 8433-40	16.4	257
17	One-nanometer-scale size-controlled synthesis of monodisperse magnetic iron oxide nanoparticles. *Angewandte Chemie - International Edition*, **2005**, 44, 2873-7	16.4	537

16	One-Nanometer-Scale Size-Controlled Synthesis of Monodisperse Magnetic Iron Oxide Nanoparticles. *Angewandte Chemie*, **2005**, 117, 2932-2937	3.6	131
15	Monodisperse Nanoparticles of Ni and NiO: Synthesis, Characterization, Self-Assembled Superlattices, and Catalytic Applications in the Suzuki Coupling Reaction. *Advanced Materials*, **2005**, 17, 429-434	24	514
14	A magnetically separable, highly stable enzyme system based on nanocomposites of enzymes and magnetic nanoparticles shipped in hierarchically ordered, mesocellular, mesoporous silica. *Small*, **2005**, 1, 1203-7	11	99
13	Ultra-large-scale syntheses of monodisperse nanocrystals. *Nature Materials*, **2004**, 3, 891-5	27	3372
12	Synthesis of Cu2O coated Cu nanoparticles and their successful applications to Ullmann-type amination coupling reactions of aryl chlorides. *Chemical Communications*, **2004**, 778-9	5.8	197
11	Diameter-Controlled Synthesis of Discrete and Uniform-Sized Single-Walled Carbon Nanotubes Using Monodisperse Iron Oxide Nanoparticles Embedded in Zirconia Nanoparticle Arrays as Catalysts. *Journal of Physical Chemistry B*, **2004**, 108, 8091-8095	3.4	46
10	Novel synthesis of magnetic Fe(2)P nanorods from thermal decomposition of continuously delivered precursors using a syringe pump. *Angewandte Chemie - International Edition*, **2004**, 43, 2282-5	16.4	113
9	Single and Multiple-Step Dip-Coating of Colloidal Maghemite (□Fe2O3) Nanoparticles onto Si, Si3N4, and SiO2 Substrates. *Advanced Functional Materials*, **2004**, 14, 1062-1068	15.6	36
8	Novel Synthesis of Magnetic Fe2P Nanorods from Thermal Decomposition of Continuously Delivered Precursors using a Syringe Pump. *Angewandte Chemie*, **2004**, 116, 2332-2335	3.6	34
7	Designed synthesis of atom-economical pd/ni bimetallic nanoparticle-based catalysts for sonogashira coupling reactions. *Journal of the American Chemical Society*, **2004**, 126, 5026-7	16.4	429
6	Direct Synthesis of Highly Crystalline and Monodisperse Manganese Ferrite Nanocrystals. *Journal of Physical Chemistry B*, **2004**, 108, 13932-13935	3.4	103
5	Synthesis, Characterization, and Magnetic Properties of Uniform-sized MnO Nanospheres and Nanorods. *Journal of Physical Chemistry B*, **2004**, 108, 13594-13598	3.4	114
4	Synthesis of Monodisperse Palladium Nanoparticles. *Nano Letters*, **2003**, 3, 1289-1291	11.5	361
3	Synthesis of Highly Crystalline and Monodisperse Cobalt Ferrite Nanocrystals. *Journal of Physical Chemistry B*, **2002**, 106, 6831-6833	3.4	264
2	Synthesis of highly crystalline and monodisperse maghemite nanocrystallites without a size-selection process. *Journal of the American Chemical Society*, **2001**, 123, 12798-801	16.4	1764
1	Tailor-Made Charged Catechol-Based Polymeric Ligands to Build Robust Fuel Cells Containing Antioxidative Nanoparticles. *Advanced Electronic Materials*,2200171	6.4	0