Yong Il Park

List of Publications by Year
in descending order

52	6,839	147801 31	149698 56
papers	citations	h-index	g-index

56	56	56	11621
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Prussian blue-graphene oxide composite cathode for a sodium-ion capacitor with improved cyclic stability and energy density. Journal of Alloys and Compounds, 2022, 898, 162952.	5.5	7
2	Expanded solar absorption spectrum to improve photoelectrochemical oxygen evolution reaction: Synergistic effect of upconversion nanoparticles and ZnFe2O4/TiO2. Chemical Engineering Journal, 2022, 438, 135503.	12.7	18
3	pH-sensitive multi-drug liposomes targeting folate receptor Î² for efficient treatment of non-small cell lung cancer. Journal of Controlled Release, 2021, 330, 1-14.	9.9	53
4	TiO₂ Nanotube Arrays Decorated with Reduced Graphene Oxide and Cuâ€“Tetracyanoquinodimethane as Anode Materials for Photoelectrochemical Water Oxidation. ACS Applied Nano Materials, 2021, 4, 13218-13233.	5.0	5
5	Statistical Time-Resolved Spectroscopic Study on Upconversion Luminescence. Journal of Physical Chemistry C, 2020, 124, 2680-2688.	3.1	7
6	Visible/near-infrared driven highly efficient photocatalyst based on upconversion nanoparticles/g-C3N4 nanocomposite. Applied Surface Science, 2020, 508, 144839.	6.1	20
7	Colloidal Suprastructures Self-Organized from Oppositely Charged All-Inorganic Nanoparticles. Chemistry of Materials, 2020, 32, 8662-8671.	6.7	7
8	Facile synthesis of ultra-small hollow manganese silicate nanoparticles as pH/GSH-responsive T1-MRI contrast agents. Ceramics International, 2020, 46, 18632-18638.	4.8	14
9	Platelet-Like Gold Nanostars for Cancer Therapy: The Ability to Treat Cancer and Evade Immune Reactions. Frontiers in Bioengineering and Biotechnology, 2020, 8, 133.	4.1	42
10	Development of ErbB2-Targeting Liposomes for Enhancing Drug Delivery to ErbB2-Positive Breast Cancer. Pharmaceutics, 2020, 12, 585.	4.5	3
11	Hyaluronic Acid-Decorated Glycol Chitosan Nanoparticles for pH-Sensitive Controlled Release of Doxorubicin and Celecoxib in Nonsmall Cell Lung Cancer. Bioconjugate Chemistry, 2020, 31, 923-932.	3.6	51
12	Noninvasive Early Detection of Calpain 2-Enriched Non-Small Cell Lung Cancer Using a Human Serum Albumin-Bounded Calpain 2 Nanosensor. Bioconjugate Chemistry, 2020, 31, 803-812.	3.6	8
13	Near-Infrared Light-Triggered Photodynamic Therapy and Apoptosis Using Upconversion Nanoparticles With Dual Photosensitizers. Frontiers in Bioengineering and Biotechnology, 2020, 8, 275.	4.1	42
14	Polyphosphide Precursor for Low-Temperature Solution-Processed Fibrous Phosphorus Thin Films. Chemistry of Materials, 2019, 31, 5909-5918.	6.7	18
15	Compact and Filter-Free Luminescence Biosensor for Mobile in Vitro Diagnoses. ACS Nano, 2019, 13, 11698-11706.	14.6	22
16	Recent Development of Inorganic Nanoparticles for Biomedical Imaging. ACS Central Science, 2018, 4, 324-336.	11.3	196
17	Lanthanide-Doped Upconversion Nanocarriers for Drug and Gene Delivery. Nanomaterials, 2018, 8, 511.	4.1	46
18	Shape-Controlled Synthesis of Au Nanostructures Using EDTA Tetrasodium Salt and Their Photothermal Therapy Applications. Nanomaterials, 2018, 8, 252.	4.1	15

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19	Lateral flow aptamer assay integrated smartphone-based portable device for simultaneous detection of multiple targets using upconversion nanoparticles. Sensors and Actuators B: Chemical, 2018, 276, 48-56.	7.8	112
20	Facial Layer-by-Layer Engineering of Upconversion Nanoparticles for Gene Delivery: Near-Infrared-Initiated Fluorescence Resonance Energy Transfer Tracking and Overcoming Drug Resistance in Ovarian Cancer. ACS Applied Materials & Interfaces, 2017, 9, 7941-7949.	8.0	64
21	Fabrication of fluorescent composite hydrogel usingin situsynthesis of upconversion nanoparticles. Nanotechnology, 2017, 28, 175702.	2.6	10
22	Recent Advances in Inorganic Nanoparticle-Based NIR Luminescence Imaging: Semiconductor Nanoparticles and Lanthanide Nanoparticles. Bioconjugate Chemistry, 2017, 28, 115-123.	3.6	69
23	Ultraâ€Wideband Multiâ€Dyeâ€Sensitized Upconverting Nanoparticles for Information Security Application. Advanced Materials, 2017, 29, 1603169.	21.0	153
24	Facile Coating Strategy to Functionalize Inorganic Nanoparticles for Biosensing. Bioconjugate Chemistry, 2017, 28, 33-37.	3.6	13
25	Lanthanide-Doped Nanoparticles for Diagnostic Sensing. Nanomaterials, 2017, 7, 411.	4.1	39
26	Digital diffraction detection of protein markers for avian influenza. Lab on A Chip, 2016, 16, 1340-1345.	6.0	11
27	Efficient protein digestion using highly-stable and reproducible trypsin coatings on magnetic nanofibers. Chemical Engineering Journal, 2016, 288, 770-777.	12.7	15
28	Nanostar Clustering Improves the Sensitivity of Plasmonic Assays. Bioconjugate Chemistry, 2015, 26, 1470-1474.	3.6	28
29	Hollow MnOxPy and Pt/MnOxPy yolk/shell nanoparticles as a T1 MRI contrast agent. Journal of Colloid and Interface Science, 2015, 439, 134-138.	9.4	7
30	Upconverting nanoparticles: a versatile platform for wide-field two-photon microscopy and multi-modal in vivo imaging. Chemical Society Reviews, 2015, 44, 1302-1317.	38.1	504
31	Label-free detection and molecular profiling of exosomes with a nano-plasmonic sensor. Nature Biotechnology, 2014, 32, 490-495.	17.5	1,060
32	Mesoporous silica-coated luminescent Eu³⁺doped GdVO₄nanoparticles for multimodal imaging and drug delivery. RSC Advances, 2014, 4, 45687-45695.	3.6	31
33	Comparative Study of Upconverting Nanoparticles with Various Crystal Structures, Core/Shell Structures, and Surface Characteristics. Journal of Physical Chemistry C, 2013, 117, 2239-2244.	3.1	48
34	High-resolution three-photon biomedical imaging using doped ZnS nanocrystals. Nature Materials, 2013, 12, 359-366.	27.5	240
35	Theranostic Probe Based on Lanthanideâ€Doped Nanoparticles for Simultaneous In Vivo Dualâ€Modal Imaging and Photodynamic Therapy. Advanced Materials, 2012, 24, 5755-5761.	21.0	367
36	Endocytosis, intracellular transport, and exocytosis of lanthanide-doped upconverting nanoparticles in single living cells. Biomaterials, 2012, 33, 9080-9086.	11.4	105

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37	Radiating Amyloid Fibril Formation on the Surface of Lipid Membranes through Unit-Assembly of Oligomeric Species of Î±-Synuclein. PLoS ONE, 2012, 7, e47580.	2.5	26
38	Single Step Isolation and Activation of Primary CD3⁺ T Lymphocytes Using Alcohol-Dispersed Electrospun Magnetic Nanofibers. Nano Letters, 2012, 12, 4018-4024.	9.1	11
39	Transformation of hydrophobic iron oxide nanoparticles to hydrophilic and biocompatible maghemite nanocrystals for use as highly efficient MRI contrast agent. Journal of Materials Chemistry, 2011, 21, 11472.	6.7	49
40	Large-Scale Synthesis of Uniform and Extremely Small-Sized Iron Oxide Nanoparticles for High-Resolution T₁ Magnetic Resonance Imaging Contrast Agents. Journal of the American Chemical Society, 2011, 133, 12624-12631.	13.7	835
41	Rapid and efficient protein digestion using trypsinâ€coated magnetic nanoparticles under pressure cycles. Proteomics, 2011, 11, 309-318.	2.2	30
42	Longâ€Term Realâ€Time Tracking of Lanthanide Ion Doped Upconverting Nanoparticles in Living Cells. Angewandte Chemie - International Edition, 2011, 50, 6093-6097.	13.8	230
43	Multipleâ€Interaction Ligands Inspired by Mussel Adhesive Protein: Synthesis of Highly Stable and Biocompatible Nanoparticles. Angewandte Chemie - International Edition, 2011, 50, 11360-11365.	13.8	117
44	Magnetic Nanocomposite Spheres Decorated with NiO Nanoparticles for a Magnetically Recyclable Protein Separation System. Advanced Materials, 2010, 22, 57-60.	21.0	147
45	Nonblinking and Nonbleaching Upconverting Nanoparticles as an Optical Imaging Nanoprobe and T1 Magnetic Resonance Imaging Contrast Agent. Advanced Materials, 2009, 21, 4467-4471.	21.0	548
46	Various-Shaped Uniform Mn₃O₄ Nanocrystals Synthesized at Low Temperature in Air Atmosphere. Chemistry of Materials, 2009, 21, 2272-2279.	6.7	135
47	Largeâ€Scale Synthesis of Water Dispersible Ceria Nanocrystals by a Simple Solâ€“Gel Process and Their Use as a Chemical Mechanical Planarization Slurry. European Journal of Inorganic Chemistry, 2008, 2008, 855-858.	2.0	23
48	Simple and Generalized Synthesis of Oxideâ˜Metal Heterostructured Nanoparticles and their Applications in Multimodal Biomedical Probes. Journal of the American Chemical Society, 2008, 130, 15573-15580.	13.7	162
49	Development of aT1â€…Contrast Agent for Magnetic Resonance Imaging Using MnO Nanoparticles. Angewandte Chemie - International Edition, 2007, 46, 5397-5401.	13.8	545
50	Versatile PEG-derivatized phosphine oxide ligands for water-dispersible metal oxide nanocrystals. Chemical Communications, 2007, , 5167.	4.1	93
51	Single Unit Cell Thick Samaria Nanowires and Nanoplates. Journal of the American Chemical Society, 2006, 128, 1786-1787.	13.7	100
52	Large-Scale Nonhydrolytic Sol-Gel Synthesis of Uniform-Sized Ceria Nanocrystals with Spherical, Wire, and Tadpole Shapes. Angewandte Chemie - International Edition, 2005, 44, 7411-7414.	13.8	238