

# Ji-Ho Park

## List of Publications by Year in descending order

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83  
papers

9,114  
citations

101543

36  
h-index

53230

85  
g-index

87  
all docs

87  
docs citations

87  
times ranked

15354  
citing authors

#	ARTICLE	IF	CITATIONS
1	Biodegradable luminescent porous silicon nanoparticles for in vivo applications. <i>Nature Materials</i> , 2009, 8, 331-336.	27.5	1,731
2	Computationally Guided Photothermal Tumor Therapy Using Long-Circulating Gold Nanorod Antennas. <i>Cancer Research</i> , 2009, 69, 3892-3900.	0.9	968
3	Endocytosis and exocytosis of nanoparticles in mammalian cells. <i>International Journal of Nanomedicine</i> , 2014, 9 Suppl 1, 51.	6.7	534
4	Magnetic Iron Oxide Nanoworms for Tumor Targeting and Imaging. <i>Advanced Materials</i> , 2008, 20, 1630-1635.	21.0	516
5	Nanoparticles that communicate in vivo to amplify tumour targeting. <i>Nature Materials</i> , 2011, 10, 545-552.	27.5	506
6	Exosome engineering for efficient intracellular delivery of soluble proteins using optically reversible protein-protein interaction module. <i>Nature Communications</i> , 2016, 7, 12277.	12.8	420
7	Hybrid Nanoparticles for Detection and Treatment of Cancer. <i>Advanced Materials</i> , 2012, 24, 3779-3802.	21.0	406
8	Micellar Hybrid Nanoparticles for Simultaneous Magnetofluorescent Imaging and Drug Delivery. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 7284-7288.	13.8	299
9	Cooperative nanomaterial system to sensitize, target, and treat tumors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 981-986.	7.1	281
10	Cooperative Nanoparticles for Tumor Detection and Photothermally Triggered Drug Delivery. <i>Advanced Materials</i> , 2010, 22, 880-885.	21.0	225
11	Rekindling RNAi Therapy: Materials Design Requirements for In Vivo siRNA Delivery. <i>Advanced Materials</i> , 2019, 31, e1903637.	21.0	187
12	Exosome Classification by Pattern Analysis of Surface-Enhanced Raman Spectroscopy Data for Lung Cancer Diagnosis. <i>Analytical Chemistry</i> , 2017, 89, 6695-6701.	6.5	183
13	Liposomal Indocyanine Green for Enhanced Photothermal Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 5683-5691.	8.0	176
14	Photothermal Inhibition of Neural Activity with Near-Infrared-Sensitive Nanotransducers. <i>ACS Nano</i> , 2014, 8, 8040-8049.	14.6	145
15	Liposome-Based Engineering of Cells To Package Hydrophobic Compounds in Membrane Vesicles for Tumor Penetration. <i>Nano Letters</i> , 2015, 15, 2938-2944.	9.1	144
16	Surface Chemistry of Gold Nanoparticles Mediates Their Exocytosis in Macrophages. <i>ACS Nano</i> , 2014, 8, 6232-6241.	14.6	143
17	Immunogene therapy with fusogenic nanoparticles modulates macrophage response to <i>Staphylococcus aureus</i> . <i>Nature Communications</i> , 2018, 9, 1969.	12.8	132
18	Cellular Engineering with Membrane Fusogenic Liposomes to Produce Functionalized Extracellular Vesicles. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 6790-6795.	8.0	99

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19	Enhanced Performance of a Molecular Photoacoustic Imaging Agent by Encapsulation in Mesoporous Silicon Nanoparticles. <i>Advanced Materials</i> , 2018, 30, e1800512.	21.0	89
20	Selective photosensitizer delivery into plasma membrane for effective photodynamic therapy. <i>Journal of Controlled Release</i> , 2014, 191, 98-104.	9.9	85
21	Electro-optical Neural Platform Integrated with Nanoplasmonic Inhibition Interface. <i>ACS Nano</i> , 2016, 10, 4274-4281.	14.6	68
22	Affinity-Driven Design of Cargo-Switching Nanoparticles to Leverage a Cholesterol-Rich Microenvironment for Atherosclerosis Therapy. <i>ACS Nano</i> , 2020, 14, 6519-6531.	14.6	67
23	Liposomal delivery systems for intestinal lymphatic drug transport. <i>Biomaterials Research</i> , 2016, 20, 36.	6.9	66
24	Local Heating of Discrete Droplets Using Magnetic Porous Silicon-Based Photonic Crystals. <i>Journal of the American Chemical Society</i> , 2006, 128, 7938-7946.	13.7	61
25	Nanoparticle platforms for combined photothermal and photodynamic therapy. <i>Biomedical Engineering Letters</i> , 2013, 3, 67-73.	4.1	60
26	Single-Cell Photothermal Neuromodulation for Functional Mapping of Neural Networks. <i>ACS Nano</i> , 2019, 13, 544-551.	14.6	58
27	Intraoperative pulmonary neoplasm identification using near-infrared fluorescence imaging. <i>European Journal of Cardio-thoracic Surgery</i> , 2016, 49, 1497-1502.	1.4	55
28	Zein-alginate based oral drug delivery systems: Protection and release of therapeutic proteins. <i>International Journal of Pharmaceutics</i> , 2016, 515, 300-306.	5.2	51
29	Cytotoxic Effects of Plant Sap-Derived Extracellular Vesicles on Various Tumor Cell Types. <i>Journal of Functional Biomaterials</i> , 2020, 11, 22.	4.4	47
30	Cyclodextrin polymer improves atherosclerosis therapy and reduces ototoxicity. <i>Journal of Controlled Release</i> , 2020, 319, 77-86.	9.9	46
31	Angle-resolved light scattering of individual rod-shaped bacteria based on Fourier transform light scattering. <i>Scientific Reports</i> , 2014, 4, 5090.	3.3	45
32	Cooperative tumour cell membrane targeted phototherapy. <i>Nature Communications</i> , 2017, 8, 15880.	12.8	42
33	Establishment of a controlled insulin delivery system using a glucose-responsive double-layered nanogel. <i>RSC Advances</i> , 2015, 5, 14482-14491.	3.6	40
34	Gold Nanorod-based Photo-PCR System for One-Step, Rapid Detection of Bacteria. <i>Nanotheranostics</i> , 2017, 1, 178-185.	5.2	39
35	Surgical suture releasing macrophage-targeted drug-loaded nanoparticles for an enhanced anti-inflammatory effect. <i>Biomaterials Science</i> , 2017, 5, 1670-1677.	5.4	38
36	Label-free high-resolution 3-D imaging of gold nanoparticles inside live cells using optical diffraction tomography. <i>Methods</i> , 2018, 136, 160-167.	3.8	38

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37	Phage display-identified PD-L1-binding peptides reinvigorate T-cell activity and inhibit tumor progression. <i>Biomaterials</i> , 2020, 247, 119984.	11.4	36
38	One-Wave Optical Phase Conjugation Mirror by Actively Coupling Arbitrary Light Fields into a Single-Mode Reflector. <i>Physical Review Letters</i> , 2015, 115, 153902.	7.8	35
39	Immunoglobulin Fc-fused, neuropilin-1-specific peptide shows efficient tumor tissue penetration and inhibits tumor growth via anti-angiogenesis. <i>Journal of Controlled Release</i> , 2015, 216, 56-68.	9.9	34
40	Highly sensitive and selective anticancer effect by conjugated HA-cisplatin in non-small cell lung cancer overexpressed with CD44. <i>Experimental Lung Research</i> , 2014, 40, 475-484.	1.2	33
41	Effective Retinal Penetration of Lipophilic and Lipid-Conjugated Hydrophilic Agents Delivered by Engineered Liposomes. <i>Molecular Pharmaceutics</i> , 2017, 14, 423-430.	4.6	33
42	Nanomedicine for the Treatment of Rheumatoid Arthritis. <i>Molecular Pharmaceutics</i> , 2021, 18, 539-549.	4.6	33
43	Photothermally Amplified Therapeutic Liposomes for Effective Combination Treatment of Cancer. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 6118-6123.	8.0	32
44	Cyclic tangential flow filtration system for isolation of extracellular vesicles. <i>APL Bioengineering</i> , 2021, 5, 016103.	6.2	31
45	Biodistribution and Pharmacokinetics of Liposomes and Exosomes in a Mouse Model of Sepsis. <i>Pharmaceutics</i> , 2021, 13, 427.	4.5	30
46	Evaluation of Intraoperative Near-Infrared Fluorescence Visualization of the Lung Tumor Margin With Indocyanine Green Inhalation. <i>JAMA Surgery</i> , 2020, 155, 732.	4.3	29
47	Intratumoral depletion of regulatory T cells using CD25-targeted photodynamic therapy in a mouse melanoma model induces antitumoral immune responses. <i>Oncotarget</i> , 2017, 8, 47440-47453.	1.8	28
48	Magnetophoretic Sorting of Single Cell-Containing Microdroplets. <i>Micromachines</i> , 2016, 7, 56.	2.9	24
49	Stability of Plant Leaf-Derived Extracellular Vesicles According to Preservative and Storage Temperature. <i>Pharmaceutics</i> , 2022, 14, 457.	4.5	24
50	Macrophage-Mediated Exocytosis of Elongated Nanoparticles Improves Hepatic Excretion and Cancer Phototherapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 28450-28457.	8.0	22
51	Anti-Metastatic Effects of Plant Sap-Derived Extracellular Vesicles in a 3D Microfluidic Cancer Metastasis Model. <i>Journal of Functional Biomaterials</i> , 2020, 11, 49.	4.4	21
52	Plasmonic liposomes for synergistic photodynamic and photothermal therapy. <i>Journal of Materials Chemistry B</i> , 2014, 2, 2592.	5.8	20
53	Cell-free production and streamlined assay of cytosol-penetrating antibodies. <i>Biotechnology and Bioengineering</i> , 2016, 113, 2107-2112.	3.3	20
54	The Potential of Exosomes Derived from Chronic Myelogenous Leukaemia Cells as a Biomarker. <i>Anticancer Research</i> , 2018, 38, 3935-3942.	1.1	19

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55	Enteric Polymer-Coated Porous Silicon Nanoparticles for Site-Specific Oral Delivery of IgA Antibody. <i>ACS Biomaterials Science and Engineering</i> , 2022, 8, 4140-4152.	5.2	18
56	Evaluation of cell penetrating peptide coated Mn:ZnS nanoparticles for paclitaxel delivery to cancer cells. <i>Scientific Reports</i> , 2018, 8, 1899.	3.3	16
57	How Did Conventional Nanoparticle-Mediated Photothermal Therapy Become “Hot” in Combination with Cancer Immunotherapy?. <i>Cancers</i> , 2022, 14, 2044.	3.7	15
58	In-vitro cytotoxicity assessment of carbon-nanodot-conjugated Fe-aminoclay (CD-FeAC) and its bio-imaging applications. <i>Journal of Nanobiotechnology</i> , 2015, 13, 88.	9.1	13
59	Single-Molecule Co-Immunoprecipitation Reveals Functional Inheritance of EGFRs in Extracellular Vesicles. <i>Small</i> , 2018, 14, e1802358.	10.0	12
60	Self-targeted knockdown of CD44 improves cisplatin sensitivity of chemoresistant non-small cell lung cancer cells. <i>Cancer Chemotherapy and Pharmacology</i> , 2019, 83, 399-410.	2.3	12
61	Convection-enhanced delivery of liposomal drugs for effective treatment of glioblastoma multiforme. <i>Drug Delivery and Translational Research</i> , 2020, 10, 1876-1887.	5.8	12
62	Macrophage-Targeted Indocyanine Green-Neomannosyl Human Serum Albumin for Intraoperative Sentinel Lymph Node Mapping in Porcine Esophagus. <i>Annals of Thoracic Surgery</i> , 2016, 102, 1149-1155.	1.3	11
63	Ultrasound-mediated drug delivery by gas bubbles generated from a chemical reaction. <i>Journal of Drug Targeting</i> , 2018, 26, 172-181.	4.4	11
64	Extracellular vesicle (EV)-polyphenol nanoaggregates for microRNA-based cancer diagnosis. <i>NPG Asia Materials</i> , 2019, 11, .	7.9	10
65	Efficient Capture and Raman Analysis of Circulating Tumor Cells by Nano-Undulated AgNPs-rGO Composite SERS Substrates. <i>Sensors</i> , 2020, 20, 5089.	3.8	9
66	GCC2 as a New Early Diagnostic Biomarker for Non-Small Cell Lung Cancer. <i>Cancers</i> , 2021, 13, 5482.	3.7	9
67	Engineered Nanoparticles inside a Microparticle Oral System for Enhanced Mucosal and Systemic Immunity. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 11124-11143.	8.0	9
68	A Proteomic Approach to Understand the Clinical Significance of Acute Myeloid Leukemia-Derived Extracellular Vesicles Reflecting Essential Characteristics of Leukemia. <i>Molecular and Cellular Proteomics</i> , 2021, 20, 100017.	3.8	8
69	Liposomal borrelidin for treatment of metastatic breast cancer. <i>Drug Delivery and Translational Research</i> , 2018, 8, 1380-1388.	5.8	7
70	Dual size-exclusion chromatography for efficient isolation of extracellular vesicles from bone marrow derived human plasma. <i>Scientific Reports</i> , 2021, 11, 217.	3.3	7
71	Antitumor Efficacy of Focused Ultrasound-MFL Nanoparticles Combination Therapy in Mouse Breast Cancer Xenografts. <i>Materials</i> , 2020, 13, 1099.	2.9	6
72	Management of lymph node metastasis via local chemotherapy can prevent distant metastasis and improve survival in mice. <i>Journal of Controlled Release</i> , 2021, 329, 847-857.	9.9	6

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73	Photothermal Transfection for Effective Nonviral Genome Editing. ACS Applied Bio Materials, 2021, 4, 5678-5685.	4.6	4
74	Bio-inspired nanotadpoles with component-specific functionality. Journal of Materials Chemistry B, 2014, 2, 6462-6466.	5.8	3
75	Gold nanorods with an ultrathin anti-biofouling siloxane layer for combinatorial anticancer therapy. Journal of Drug Targeting, 2020, 28, 780-788.	4.4	3
76	Polypeptide-Based K <sup>+</sup> Ionophore as a Strong Immunogenic Cell Death Inducer for Cancer Immunotherapy. ACS Applied Bio Materials, 2021, 4, 8333-8342.	4.6	3
77	Coimmunomodulation of tumor and tumor-draining lymph nodes during in situ vaccination promotes antitumor immunity. JCI Insight, 2022, 7, .	5.0	3
78	Lung cancer exosome specific protein 1 (LESP-1) as a potential factor for diagnosis and treatment of non-small cell lung cancer.. Journal of Clinical Oncology, 2020, 38, e15550-e15550.	1.6	2
79	Effective Delivery of Exogenous Compounds to the Optic Nerve by Intravitreal Injection of Liposome. Korean Journal of Ophthalmology: KJO, 2018, 32, 417.	1.1	1
80	Porous Materials for Immune Modulation. Open Material Sciences, 2018, 4, 1-14.	0.8	1
81	Engineered immune cells with nanomaterials to improve adoptive cell therapy. Biomedical Engineering Letters, 2021, 11, 183-195.	4.1	1
82	Drug delivery: Magnetic Luminescent Porous Silicon Microparticles for Localized Delivery of Molecular Drug Payloads (Small 22/2010). Small, 2010, 6, 2545-2545.	10.0	0
83	Random motion assisted charge identification of the liposome in planar electrophoretic trap with aqueous medium. , 2015, , .		0