

# Jaesung Park

## List of Publications by Year in descending order

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44  
papers

3,082  
citations

257450

24  
h-index

254184

43  
g-index

46  
all docs

46  
docs citations

46  
times ranked

5065  
citing authors

#	ARTICLE	IF	CITATIONS
1	Extracellular Vesicles Generated Using Bioreactors and their Therapeutic Effect on the Acute Kidney Injury Model. <i>Advanced Healthcare Materials</i> , 2022, 11, e2101606.	7.6	19
2	Immunostaining Extracellular Vesicles Based on an Aqueous Two-Phase System: For Analysis of Tetraspanins. <i>ACS Applied Bio Materials</i> , 2021, 4, 3294-3303.	4.6	5
3	Urinary exosomal microRNA profiling in intermediate-risk prostate cancer. <i>Scientific Reports</i> , 2021, 11, 7355.	3.3	33
4	Multifluorescence Single Extracellular Vesicle Analysis by Time-Sequential Illumination and Tracking. <i>ACS Nano</i> , 2021, 15, 11753-11761.	14.6	24
5	Hydrogel-based hybridization chain reaction (HCR) for detection of urinary exosomal miRNAs as a diagnostic tool of prostate cancer. <i>Biosensors and Bioelectronics</i> , 2021, 192, 113504.	10.1	50
6	Single-vesicle imaging and co-localization analysis for tetraspanin profiling of individual extracellular vesicles. <i>Journal of Extracellular Vesicles</i> , 2021, 10, e12047.	12.2	52
7	Evaluation of micro-RNA in extracellular vesicles from blood of patients with prostate cancer. <i>PLoS ONE</i> , 2021, 16, e0262017.	2.5	8
8	Heterogeneous Subcellular Origin of Exosome-Mimetic Nanovesicles Engineered from Cells. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 6063-6068.	5.2	8
9	Size-based analysis of extracellular vesicles using sequential transfer of an evaporating droplet. <i>Lab on A Chip</i> , 2019, 19, 3326-3336.	6.0	11
10	Mesenchymal Stem Cell Engineered Nanovesicles for Accelerated Skin Wound Closure. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 1534-1543.	5.2	23
11	Modulation of nanoparticle separation by initial contact angle in coffee ring effect. <i>Micro and Nano Systems Letters</i> , 2018, 6, .	3.7	13
12	Cancer-derived exosomes trigger endothelial to mesenchymal transition followed by the induction of cancer-associated fibroblasts. <i>Acta Biomaterialia</i> , 2018, 76, 146-153.	8.3	116
13	Sepsis-Like Systemic Inflammation Induced by Nano-Sized Extracellular Vesicles From Feces. <i>Frontiers in Microbiology</i> , 2018, 9, 1735.	3.5	45
14	Analysis of Extracellular Vesicles Using Coffee Ring. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 22877-22882.	8.0	24
15	Aqueous two-phase system to isolate extracellular vesicles from urine for prostate cancer diagnosis. <i>PLoS ONE</i> , 2018, 13, e0194818.	2.5	25
16	Cell-Engineered Nanovesicle as a Surrogate Inducer of Contact-Dependent Stimuli. <i>Advanced Healthcare Materials</i> , 2017, 6, 1700381.	7.6	9
17	Methods to isolate extracellular vesicles for diagnosis. <i>Micro and Nano Systems Letters</i> , 2017, 5, .	3.7	54
18	Prostate-specific extracellular vesicles as a novel biomarker in human prostate cancer. <i>Scientific Reports</i> , 2016, 6, 30386.	3.3	71

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19	Isolation of extracellular vesicle from blood plasma using electrophoretic migration through porous membrane. <i>Sensors and Actuators B: Chemical</i> , 2016, 233, 289-297.	7.8	85
20	Self-Renewal of Bone Marrow Stem Cells by Nanovesicles Engineered from Embryonic Stem Cells. <i>Advanced Healthcare Materials</i> , 2016, 5, 3148-3156.	7.6	28
21	Retention modeling for ultra-thin density of Cu-based conductive bridge random access memory (CBRAM). <i>AIP Advances</i> , 2016, 6, .	1.3	25
22	Effect of Concentrated Fibroblast-Conditioned Media on In Vitro Maintenance of Rat Primary Hepatocyte. <i>PLoS ONE</i> , 2016, 11, e0148846.	2.5	17
23	High-yield isolation of extracellular vesicles using aqueous two-phase system. <i>Scientific Reports</i> , 2015, 5, 13103.	3.3	111
24	Isolation of High-Purity Extracellular Vesicles by Extracting Proteins Using Aqueous Two-Phase System. <i>PLoS ONE</i> , 2015, 10, e0129760.	2.5	45
25	Outer Membrane Vesicles: In vivo Kinetic Biodistribution of Nano-Sized Outer Membrane Vesicles Derived from Bacteria (Small 4/2015). <i>Small</i> , 2015, 11, 386-386.	10.0	0
26	Demonstration of Low Power 3-bit Multilevel Cell Characteristics in a TaO <sub>x</sub> -Based RRAM by Stack Engineering. <i>IEEE Electron Device Letters</i> , 2015, 36, 32-34.	3.9	112
27	High precision cell slicing by harmonically actuated ultra-sharp SixNyblades. <i>Journal of Micromechanics and Microengineering</i> , 2015, 25, 025007.	2.6	4
28	Gram-negative and Gram-positive bacterial extracellular vesicles. <i>Seminars in Cell and Developmental Biology</i> , 2015, 40, 97-104.	5.0	307
29	Formation and manipulation of cell spheroids using a density adjusted PEG/DEX aqueous two phase system. <i>Scientific Reports</i> , 2015, 5, 11891.	3.3	58
30	Generation of nanovesicles with sliced cellular membrane fragments for exogenous material delivery. <i>Biomaterials</i> , 2015, 59, 12-20.	11.4	98
31	Bacterial Protoplast-Derived Nanovesicles as Vaccine Delivery System against Bacterial Infection. <i>Nano Letters</i> , 2015, 15, 266-274.	9.1	80
32	Development of a thermal sensor to probe cell viability and concentration in cell suspensions. <i>AIP Advances</i> , 2014, 4, .	1.3	14
33	Optimized Lightning-Rod Effect to Overcome Trade-Off Between Switching Uniformity and On/Off Ratio in ReRAM. <i>IEEE Electron Device Letters</i> , 2014, 35, 214-216.	3.9	6
34	Nanovesicles engineered from ES cells for enhanced cell proliferation. <i>Biomaterials</i> , 2014, 35, 9302-9310.	11.4	68
35	Microfluidic fabrication of cell-derived nanovesicles as endogenous RNA carriers. <i>Lab on A Chip</i> , 2014, 14, 1261-1269.	6.0	116
36	Egr-1 Activation by Cancer-Derived Extracellular Vesicles Promotes Endothelial Cell Migration via ERK1/2 and JNK Signaling Pathways. <i>PLoS ONE</i> , 2014, 9, e115170.	2.5	36

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37	Bioinspired Exosome-Mimetic Nanovesicles for Targeted Delivery of Chemotherapeutics to Malignant Tumors. ACS Nano, 2013, 7, 7698-7710.	14.6	768
38	BEOL compatible (300Å;C) TiN/TiO <sub>x</sub> /Ta/TiN 3D nanoscale (~10nm) IMT selector., 2013, .		8
39	Defect Engineering Using Bilayer Structure in Filament-Type RRAM. IEEE Electron Device Letters, 2013, 34, 1250-1252.	3.9	10
40	Thermal conductivity of single biological cells and relation with cell viability. Applied Physics Letters, 2013, 102, .	3.3	34
41	Microfluidic filtration system to isolate extracellular vesicles from blood. Lab on A Chip, 2012, 12, 5202.	6.0	325
42	Formation of liposomes using a 3D flow focusing microfluidic device with spatially patterned wettability by corona discharge. Journal of Micromechanics and Microengineering, 2012, 22, 055003.	2.6	53
43	Projection image-generation algorithm for fabrication of a complex structure using projection-based microstereolithography. International Journal of Precision Engineering and Manufacturing, 2012, 13, 445-449.	2.2	57
44	Thermal conductivity of bovine serum albumin: A tool to probe denaturation of protein. Applied Physics Letters, 2011, 99, 163702.	3.3	20