

# Jae Hwan Jung

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10037866/publications.pdf>

Version: 2024-02-01

42  
papers

2,154  
citations

331670

21  
h-index

330143

37  
g-index

44  
all docs

44  
docs citations

44  
times ranked

3172  
citing authors

#	ARTICLE	IF	CITATIONS
1	Biosynthesis and applications of iron oxide nanocomposites synthesized by recombinant <i>Escherichia coli</i> . <i>Applied Microbiology and Biotechnology</i> , 2022, 106, 1127-1137.	3.6	5
2	Fabricating High-Resolution and High-Dimensional Microneedle Mold through the Resolution Improvement of Stereolithography 3D Printing. <i>Pharmaceutics</i> , 2022, 14, 766.	4.5	18
3	Sustainable Drug Release Using Nanoparticle Encapsulated Microneedles. <i>Chemistry - an Asian Journal</i> , 2022, 17, .	3.3	6
4	Drug-Free, Nonsurgical Reduction of Intraocular Pressure for Four Months after Suprachoroidal Injection of Hyaluronic Acid Hydrogel. <i>Advanced Science</i> , 2021, 8, 2001908.	11.2	20
5	Microneedle for transdermal drug delivery: current trends and fabrication. <i>Journal of Pharmaceutical Investigation</i> , 2021, 51, 503-517.	5.3	142
6	Synthesis of MoS <sub>2</sub> nanoparticles grown on crumpled 3D graphene microballs using a microfluidic droplet generator. <i>Carbon Letters</i> , 2021, 31, 831.	5.9	9
7	Enhanced extraction of skin interstitial fluid using a 3D printed device enabling tilted microneedle penetration. <i>Scientific Reports</i> , 2021, 11, 14018.	3.3	14
8	Collagenase injection into the suprachoroidal space of the eye to expand drug delivery coverage and increase posterior drug targeting. <i>Experimental Eye Research</i> , 2019, 189, 107824.	2.6	16
9	Targeting drug delivery within the suprachoroidal space. <i>Drug Discovery Today</i> , 2019, 24, 1654-1659.	6.4	24
10	Ocular drug delivery targeted by iontophoresis in the suprachoroidal space using a microneedle. <i>Journal of Controlled Release</i> , 2018, 277, 14-22.	9.9	90
11	The suprachoroidal space as a route of administration to the posterior segment of the eye. <i>Advanced Drug Delivery Reviews</i> , 2018, 126, 58-66.	13.7	77
12	Vaccination by microneedle patch with inactivated respiratory syncytial virus and monophosphoryl lipid A enhances the protective efficacy and diminishes inflammatory disease after challenge. <i>PLoS ONE</i> , 2018, 13, e0205071.	2.5	18
13	In Vivo Synthesis of Nanocomposites Using the Recombinant <i>Escherichia coli</i> . <i>Small</i> , 2018, 14, e1803133.	10.0	22
14	Targeted Drug Delivery in the Suprachoroidal Space by Swollen Hydrogel Pushing. , 2018, 59, 2069.		33
15	An integrated rotary microfluidic system with DNA extraction, loop-mediated isothermal amplification, and lateral flow strip based detection for point-of-care pathogen diagnostics. <i>Biosensors and Bioelectronics</i> , 2017, 91, 334-340.	10.1	192
16	An energy-optimized (37840, 34320) symmetric BC-BCH decoder for healthy mobile storages. , 2017, , .		4
17	Thickness and Closure Kinetics of the Suprachoroidal Space Following Microneedle Injection of Liquid Formulations. , 2017, 58, 555.		28
18	Fully automated and colorimetric foodborne pathogen detection on an integrated centrifugal microfluidic device. <i>Lab on A Chip</i> , 2016, 16, 1917-1926.	6.0	107

#	ARTICLE	IF	CITATIONS
19	A centrifugal direct recombinase polymerase amplification (direct-RPA) microdevice for multiplex and real-time identification of food poisoning bacteria. <i>Lab on A Chip</i> , 2016, 16, 2309-2316.	6.0	75
20	Centrifugal loop-mediated isothermal amplification microdevice for rapid, multiplex and colorimetric foodborne pathogen detection. <i>Biosensors and Bioelectronics</i> , 2016, 75, 293-300.	10.1	140
21	A centrifuge-based stepwise chemical loading disc for the production of multiplex anisotropic metallic nanoparticles. <i>RSC Advances</i> , 2015, 5, 1846-1851.	3.6	10
22	An advanced centrifugal microsystem toward high-throughput multiplex colloidal nanocrystal synthesis. <i>Sensors and Actuators B: Chemical</i> , 2015, 209, 927-933.	7.8	17
23	A fully integrated microdevice for biobarcode assay based biological agent detection. <i>Lab on A Chip</i> , 2015, 15, 2744-2748.	6.0	6
24	Combination of a Sample Pretreatment Microfluidic Device with a Photoluminescent Graphene Oxide Quantum Dot Sensor for Trace Lead Detection. <i>Analytical Chemistry</i> , 2015, 87, 10969-10975.	6.5	70
25	Integrated centrifugal reverse transcriptase loop-mediated isothermal amplification microdevice for influenza A virus detection. <i>Biosensors and Bioelectronics</i> , 2015, 68, 218-224.	10.1	56
26	Combination of multiplex reverse-transcription loop-mediated isothermal amplification with an immunochromatographic strip for subtyping influenza A virus. <i>Analytica Chimica Acta</i> , 2015, 853, 541-547.	5.4	54
27	Integration of sample pretreatment, $\mu$ PCR, and detection for a total genetic analysis microsystem. <i>Mikrochimica Acta</i> , 2014, 181, 1655-1668.	5.0	14
28	Highly sensitive detection of cancer cells based on the DNA barcode assay and microcapillary electrophoretic analysis. <i>Electrophoresis</i> , 2014, 35, 1504-1508.	2.4	4
29	Combination of biobarcode assay with on-chip capillary electrophoresis for ultrasensitive and multiplex biological agent detection. <i>Biosensors and Bioelectronics</i> , 2014, 61, 172-176.	10.1	15
30	A packaged paper fluidic-based microdevice for detecting gene expression of influenza A virus. <i>Biosensors and Bioelectronics</i> , 2014, 61, 485-490.	10.1	27
31	Synthesis of a 3D graphite microball using a microfluidic droplet generator and its polymer composite with core-shell structure. <i>Lab on A Chip</i> , 2013, 13, 4006.	6.0	23
32	A microbead-incorporated centrifugal sample pretreatment microdevice. <i>Lab on A Chip</i> , 2013, 13, 3383.	6.0	33
33	A Novel Colorimetric Immunoassay Utilizing the Peroxidase Mimicking Activity of Magnetic Nanoparticles. <i>International Journal of Molecular Sciences</i> , 2013, 14, 9999-10014.	4.1	61
34	Ultrafast Rotary PCR system for multiple influenza viral RNA detection. <i>Lab on A Chip</i> , 2012, 12, 1598.	6.0	42
35	A rotary microsystem for simple, rapid and automatic RNA purification. <i>Lab on A Chip</i> , 2012, 12, 3875.	6.0	41
36	3D Porous Sol-gel Matrix Incorporated Microdevice for Effective Large Volume Cell Sample Pretreatment. <i>Analytical Chemistry</i> , 2012, 84, 4928-4934.	6.5	11

#	ARTICLE	IF	CITATIONS
37	Rücktitelbild: Homogeneous Biogenic Paramagnetic Nanoparticle Synthesis Based on a Microfluidic Droplet Generator (Angew. Chem. 23/2012). Angewandte Chemie, 2012, 124, 5864-5864.	2.0	0
38	Homogeneous Biogenic Paramagnetic Nanoparticle Synthesis Based on a Microfluidic Droplet Generator. Angewandte Chemie - International Edition, 2012, 51, 5634-5637.	13.8	38
39	Back Cover: Homogeneous Biogenic Paramagnetic Nanoparticle Synthesis Based on a Microfluidic Droplet Generator (Angew. Chem. Int. Ed. 23/2012). Angewandte Chemie - International Edition, 2012, 51, 5764-5764.	13.8	0
40	An integrated passive micromixer-magnetic separation-capillary electrophoresis microdevice for rapid and multiplex pathogen detection at the single-cell level. Lab on A Chip, 2011, 11, 3465.	6.0	58
41	A Graphene Oxide Based Immuno-biosensor for Pathogen Detection. Angewandte Chemie - International Edition, 2010, 49, 5708-5711.	13.8	507
42	Graphene oxide-based immunobiosensor for ultrasensitive pathogen detection. , 2010, , .		0