

Jane Ru Choi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3131703/publications.pdf>

Version: 2024-02-01

52
papers

3,527
citations

145106

33
h-index

206121

51
g-index

52
all docs

52
docs citations

52
times ranked

5740
citing authors

#	ARTICLE	IF	CITATIONS
1	Current Status and Perspectives of Human Mesenchymal Stem Cell Therapy 2020. Stem Cells International, 2022, 2022, 1-3.	1.2	1
2	In Vitro Human Cancer Models for Biomedical Applications. Cancers, 2022, 14, 2284.	1.7	6
3	Editorial: Advances in Nucleic Acid-Based Biosensors and Imaging. Frontiers in Chemistry, 2022, 10, .	1.8	3
4	Emerging point-of-care biosensors for rapid diagnosis of COVID-19: current progress, challenges, and future prospects. Analytical and Bioanalytical Chemistry, 2021, 413, 4137-4159.	1.9	69
5	Recent Progress in Nanotechnology for COVID-19 Prevention, Diagnostics and Treatment. Nanomaterials, 2021, 11, 1788.	1.9	38
6	Monolithic hydrogel nanowells-in-microwells enabling simultaneous single cell secretion and phenotype analysis. Lab on A Chip, 2020, 20, 4539-4551.	3.1	12
7	Advances in single cell technologies in immunology. BioTechniques, 2020, 69, 226-236.	0.8	9
8	Recent Advances in Mechanically Loaded Human Mesenchymal Stem Cells for Bone Tissue Engineering. International Journal of Molecular Sciences, 2020, 21, 5816.	1.8	28
9	Single-Cell RNA Sequencing and Its Combination with Protein and DNA Analyses. Cells, 2020, 9, 1130.	1.8	42
10	Development of Point-of-Care Biosensors for COVID-19. Frontiers in Chemistry, 2020, 8, 517.	1.8	194
11	Editorial for the Special Issue on Point-of-Care Devices. Micromachines, 2020, 11, 389.	1.4	0
12	Progress in Molecularly Imprinted Polymers for Biomedical Applications. Combinatorial Chemistry and High Throughput Screening, 2019, 22, 78-88.	0.6	25
13	Recent advances in photo-crosslinkable hydrogels for biomedical applications. BioTechniques, 2019, 66, 40-53.	0.8	234
14	Current Status and Perspectives of Human Mesenchymal Stem Cell Therapy. Stem Cells International, 2019, 2019, 1-3.	1.2	14
15	Emerging Point-of-care Technologies for Food Safety Analysis. Sensors, 2019, 19, 817.	2.1	99
16	Large expert-curated database for benchmarking document similarity detection in biomedical literature search. Database: the Journal of Biological Databases and Curation, 2019, 2019, .	1.4	15
17	Biosafety and bioefficacy assessment of human mesenchymal stem cells: what do we know so far?. Regenerative Medicine, 2018, 13, 219-232.	0.8	31
18	Electrospin-coating of nitrocellulose membrane enhances sensitivity in nucleic acid-based lateral flow assay. Analytica Chimica Acta, 2018, 1009, 81-88.	2.6	57

#	ARTICLE	IF	CITATIONS
19	Modification of thread-based microfluidic device with polysiloxanes for the development of a sensitive and selective immunoassay. <i>Sensors and Actuators B: Chemical</i> , 2018, 260, 1043-1051.	4.0	58
20	Effects of mechanical loading on human mesenchymal stem cells for cartilage tissue engineering. <i>Journal of Cellular Physiology</i> , 2018, 233, 1913-1928.	2.0	64
21	Rapid detection of clenbuterol in milk using microfluidic paper-based ELISA. <i>Food Chemistry</i> , 2018, 246, 437-441.	4.2	137
22	Mesenchymal Stem Cell Therapy for Ischemic Tissues. <i>Stem Cells International</i> , 2018, 2018, 1-11.	1.2	63
23	Electrospun Polycaprolactone Nanofibers as a Reaction Membrane for Lateral Flow Assay. <i>Polymers</i> , 2018, 10, 1387.	2.0	58
24	Black Phosphorus and its Biomedical Applications. <i>Theranostics</i> , 2018, 8, 1005-1026.	4.6	253
25	Paper-based point-of-care testing for diagnosis of dengue infections. <i>Critical Reviews in Biotechnology</i> , 2017, 37, 100-111.	5.1	26
26	Advances in paper-based sample pretreatment for point-of-care testing. <i>Critical Reviews in Biotechnology</i> , 2017, 37, 411-428.	5.1	76
27	Assessment of tumourigenic potential in long-term cryopreserved human adipose-derived stem cells. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2017, 11, 2217-2226.	1.3	21
28	Viral Detection: Lateral Flow Assay Based on Paper-based Hydrogel Hybrid Material for Sensitive Point-of-Care Detection of Dengue Virus (Adv. Healthcare Mater. 1/2017). <i>Advanced Healthcare Materials</i> , 2017, 6, .	3.9	2
29	Hypoxia enhances the viability, growth and chondrogenic potential of cryopreserved human adipose-derived stem cells. <i>Cryobiology</i> , 2017, 75, 91-99.	0.3	48
30	Effect of hypoxia on human adipose-derived mesenchymal stem cells and its potential clinical applications. <i>Cellular and Molecular Life Sciences</i> , 2017, 74, 2587-2600.	2.4	60
31	A fully disposable and integrated paper-based device for nucleic acid extraction, amplification and detection. <i>Lab on A Chip</i> , 2017, 17, 1270-1279.	3.1	169
32	Advances and challenges of fully integrated paper-based point-of-care nucleic acid testing. <i>TrAC - Trends in Analytical Chemistry</i> , 2017, 93, 37-50.	5.8	72
33	Paper-based device with on-chip reagent storage for rapid extraction of DNA from biological samples. <i>Mikrochimica Acta</i> , 2017, 184, 2141-2150.	2.5	45
34	Multiple test zones for improved detection performance in lateral flow assays. <i>Sensors and Actuators B: Chemical</i> , 2017, 243, 484-488.	4.0	50
35	Capillary blood for point-of-care testing. <i>Critical Reviews in Clinical Laboratory Sciences</i> , 2017, 54, 294-308.	2.7	39
36	Lateral Flow Assay Based on Paper-based Hydrogel Hybrid Material for Sensitive Point-of-Care Detection of Dengue Virus. <i>Advanced Healthcare Materials</i> , 2017, 6, 1600920.	3.9	80

#	ARTICLE	IF	CITATIONS
37	Advances in digital polymerase chain reaction (dPCR) and its emerging biomedical applications. <i>Biosensors and Bioelectronics</i> , 2017, 90, 459-474.	5.3	209
38	Improved LFAs for highly sensitive detection of BNP at point-of-care. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 4455-4466.	3.3	40
39	Chapter 11. Smartphone-based Sensing in Food Safety and Quality Analysis. <i>Food Chemistry, Function and Analysis</i> , 2017, , 332-358.	0.1	1
40	A volumetric meter chip for point-of-care quantitative detection of bovine catalase for food safety control. <i>Analytica Chimica Acta</i> , 2016, 935, 207-212.	2.6	17
41	Biobanking of Human Mesenchymal Stem Cells: Future Strategy to Facilitate Clinical Applications. <i>Advances in Experimental Medicine and Biology</i> , 2016, 951, 99-110.	0.8	32
42	The effects of hypoxia and serum-free conditions on the stemness properties of human adipose-derived stem cells. <i>Cytotechnology</i> , 2016, 68, 1859-1872.	0.7	19
43	Sensitive biomolecule detection in lateral flow assay with a portable temperature—humidity control device. <i>Biosensors and Bioelectronics</i> , 2016, 79, 98-107.	5.3	75
44	Polydimethylsiloxane-Paper Hybrid Lateral Flow Assay for Highly Sensitive Point-of-Care Nucleic Acid Testing. <i>Analytical Chemistry</i> , 2016, 88, 6254-6264.	3.2	93
45	An integrated lateral flow assay for effective DNA amplification and detection at the point of care. <i>Analyst</i> , The, 2016, 141, 2930-2939.	1.7	80
46	Improved sensitivity of lateral flow assay using paper-based sample concentration technique. <i>Talanta</i> , 2016, 152, 269-276.	2.9	79
47	An integrated paper-based sample-to-answer biosensor for nucleic acid testing at the point of care. <i>Lab on A Chip</i> , 2016, 16, 611-621.	3.1	247
48	In Situ Normoxia Enhances Survival and Proliferation Rate of Human Adipose Tissue-Derived Stromal Cells without Increasing the Risk of Tumourigenesis. <i>PLoS ONE</i> , 2015, 10, e0115034.	1.1	56
49	Paper-based sample-to-answer molecular diagnostic platform for point-of-care diagnostics. <i>Biosensors and Bioelectronics</i> , 2015, 74, 427-439.	5.3	120
50	Phenotypic and Functional Characterization of Long-Term Cryopreserved Human Adipose-derived Stem Cells. <i>Scientific Reports</i> , 2015, 5, 9596.	1.6	81
51	Cryopreservation of Human Mesenchymal Stem Cells for Clinical Applications: Current Methods and Challenges. <i>Biopreservation and Biobanking</i> , 2015, 13, 231-239.	0.5	60
52	Impact of low oxygen tension on stemness, proliferation and differentiation potential of human adipose-derived stem cells. <i>Biochemical and Biophysical Research Communications</i> , 2014, 448, 218-224.	1.0	120