

Jianhua Qin

List of Publications by Citations

Source: <https://exaly.com/author-pdf/352065/jianhua-qin-publications-by-citations.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

95
papers

3,399
citations

31
h-index

56
g-index

105
ext. papers

4,301
ext. citations

6.5
avg, IF

5.73
L-index

#	Paper	IF	Citations
95	Rapid prototyping of paper-based microfluidics with wax for low-cost, portable bioassay. <i>Electrophoresis</i> , 2009 , 30, 1497-500	3.6	486
94	Electrospinning versus microfluidic spinning of functional fibers for biomedical applications. <i>Biomaterials</i> , 2017 , 114, 121-143	15.6	222
93	Human brain organoid-on-a-chip to model prenatal nicotine exposure. <i>Lab on A Chip</i> , 2018 , 18, 851-860	7.2	146
92	Microfluidic platform towards point-of-care diagnostics in infectious diseases. <i>Journal of Chromatography A</i> , 2015 , 1377, 13-26	4.5	143
91	Advances in Hydrogels in Organoids and Organs-on-a-Chip. <i>Advanced Materials</i> , 2019 , 31, e1902042	24	130
90	Flexible fabrication of biomimetic bamboo-like hybrid microfibers. <i>Advanced Materials</i> , 2014 , 26, 2494-9	24	128
89	A dynamic in vivo-like organotypic blood-brain barrier model to probe metastatic brain tumors. <i>Scientific Reports</i> , 2016 , 6, 36670	4.9	111
88	A disease model of diabetic nephropathy in a glomerulus-on-a-chip microdevice. <i>Lab on A Chip</i> , 2017 , 17, 1749-1760	7.2	99
87	In situ differentiation and generation of functional liver organoids from human iPSCs in a 3D perfusable chip system. <i>Lab on A Chip</i> , 2018 , 18, 3606-3616	7.2	92
86	A 3D human lung-on-a-chip model for nanotoxicity testing. <i>Toxicology Research</i> , 2018 , 7, 1048-1060	2.6	87
85	Engineering human islet organoids from iPSCs using an organ-on-chip platform. <i>Lab on A Chip</i> , 2019 , 19, 948-958	7.2	82
84	Engineering stem cell-derived 3D brain organoids in a perfusable organ-on-a-chip system.. <i>RSC Advances</i> , 2018 , 8, 1677-1685	3.7	78
83	A 3D human placenta-on-a-chip model to probe nanoparticle exposure at the placental barrier. <i>Toxicology in Vitro</i> , 2019 , 54, 105-113	3.6	72
82	In situ generation of human brain organoids on a micropillar array. <i>Lab on A Chip</i> , 2017 , 17, 2941-2950	7.2	66
81	Simple Spinning of Heterogeneous Hollow Microfibers on Chip. <i>Advanced Materials</i> , 2016 , 28, 6649-55	24	65
80	Activation of hypoxia signaling induces phenotypic transformation of glioma cells: implications for bevacizumab antiangiogenic therapy. <i>Oncotarget</i> , 2015 , 6, 11882-93	3.3	58
79	Potent anti-inflammatory effect of dioscin mediated by suppression of TNF- α -induced VCAM-1, ICAM-1 and EL expression via the NF- κ B pathway. <i>Biochimie</i> , 2015 , 110, 62-72	4.6	50

78	Human induced pluripotent stem cell-derived beating cardiac tissues on paper. <i>Lab on A Chip</i> , 2015 , 15, 4283-90	7.2	48
77	Probing impaired neurogenesis in human brain organoids exposed to alcohol. <i>Integrative Biology (United Kingdom)</i> , 2017 , 9, 968-978	3.7	43
76	Simultaneous and ultrarapid determination of reactive oxygen species and reduced glutathione in apoptotic leukemia cells by microchip electrophoresis. <i>Electrophoresis</i> , 2005 , 26, 1155-62	3.6	43
75	Microfluidic devices for the analysis of apoptosis. <i>Electrophoresis</i> , 2005 , 26, 3780-8	3.6	42
74	A microfluidic-based multi-shear device for investigating the effects of low fluid-induced stresses on osteoblasts. <i>PLoS ONE</i> , 2014 , 9, e89966	3.7	41
73	Biomimetic Human Disease Model of SARS-CoV-2 Induced Lung Injury and Immune Responses on Organ Chip System. <i>Advanced Science</i> , 2020 , 8, 2002928	13.6	40
72	A Droplet Microfluidic System to Fabricate Hybrid Capsules Enabling Stem Cell Organoid Engineering. <i>Advanced Science</i> , 2020 , 7, 1903739	13.6	39
71	Induction of epithelial-to-mesenchymal transition in proximal tubular epithelial cells on microfluidic devices. <i>Biomaterials</i> , 2014 , 35, 1390-401	15.6	38
70	Microdroplet-based universal logic gates by electrorheological fluid. <i>Soft Matter</i> , 2011 , 7, 7493	3.6	37
69	A cross-talk between epithelium and endothelium mediates human alveolar-capillary injury during SARS-CoV-2 infection. <i>Cell Death and Disease</i> , 2020 , 11, 1042	9.8	36
68	Biomimetic tumor microenvironment on a microfluidic platform. <i>Biomicrofluidics</i> , 2013 , 7, 11501	3.2	36
67	A Biomimetic Human Gut-on-a-Chip for Modeling Drug Metabolism in Intestine. <i>Artificial Organs</i> , 2018 , 42, 1196-1205	2.6	35
66	Native fluorescence detection of flavin derivatives by microchip capillary electrophoresis with laser-induced fluorescence intensified charge-coupled device detection. <i>Journal of Chromatography A</i> , 2004 , 1027, 223-9	4.5	32
65	Rapid authentication of ginseng species using microchip electrophoresis with laser-induced fluorescence detection. <i>Analytical and Bioanalytical Chemistry</i> , 2005 , 381, 812-9	4.4	31
64	One-Step Generation of CoreShell Gelatin Methacrylate (GelMA) Microgels Using a Droplet Microfluidic System. <i>Advanced Materials Technologies</i> , 2019 , 4, 1800632	6.8	30
63	Assessment of Air Pollutant PM2.5 Pulmonary Exposure Using a 3D Lung-on-Chip Model. <i>ACS Biomaterials Science and Engineering</i> , 2020 , 6, 3081-3090	5.5	29
62	A hollow fiber system for simple generation of human brain organoids. <i>Integrative Biology (United Kingdom)</i> , 2017 , 9, 774-781	3.7	29
61	Placental Barrier-on-a-Chip: Modeling Placental Inflammatory Responses to Bacterial Infection. <i>ACS Biomaterials Science and Engineering</i> , 2018 , 4, 3356-3363	5.5	27

60	Catalytic Performance of Monolithic Foam Ni/SiC Catalyst in Carbon dioxide Reforming of Methane to Synthesis Gas. <i>Catalysis Letters</i> , 2008 , 120, 111-115	2.8	27
59	Assessment of metabolism-dependent drug efficacy and toxicity on a multilayer organs-on-a-chip. <i>Integrative Biology (United Kingdom)</i> , 2016 , 8, 1022-1029	3.7	26
58	Microfluidic strategies for label-free exosomes isolation and analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2019 , 118, 686-698	14.6	24
57	Bioinspired onion epithelium-like structure promotes the maturation of cardiomyocytes derived from human pluripotent stem cells. <i>Biomaterials Science</i> , 2017 , 5, 1810-1819	7.4	23
56	SARS-CoV-2 induced intestinal responses with a biomimetic human gut-on-chip. <i>Science Bulletin</i> , 2021 , 66, 783-793	10.6	23
55	HiPSC-derived multi-organoids-on-chip system for safety assessment of antidepressant drugs. <i>Lab on A Chip</i> , 2021 , 21, 571-581	7.2	23
54	Flexible Fabrication of Shape-Controlled Collagen Building Blocks for Self-Assembly of 3D Microtissues. <i>Small</i> , 2015 , 11, 3666-75	11	22
53	Genotyping the -6A/G functional polymorphism in the core promoter region of angiotensinogen gene by microchip electrophoresis. <i>Electrophoresis</i> , 2005 , 26, 219-24	3.6	20
52	EGFR signaling confers resistance to BET inhibition in hepatocellular carcinoma through stabilizing oncogenic MYC. <i>Journal of Experimental and Clinical Cancer Research</i> , 2019 , 38, 83	12.8	19
51	Human induced pluripotent stem cells derived endothelial cells mimicking vascular inflammatory response under flow. <i>Biomicrofluidics</i> , 2016 , 10, 014106	3.2	19
50	Engineering Brain Organoids to Probe Impaired Neurogenesis Induced by Cadmium. <i>ACS Biomaterials Science and Engineering</i> , 2018 , 4, 1908-1915	5.5	18
49	Assessment of hepatic metabolism-dependent nephrotoxicity on an organs-on-a-chip microdevice. <i>Toxicology in Vitro</i> , 2018 , 46, 1-8	3.6	18
48	Microfluidic device for on-chip isolation and detection of circulating exosomes in blood of breast cancer patients. <i>Biomicrofluidics</i> , 2019 , 13, 054113	3.2	18
47	Synthesis of shape-controlled particles based on synergistic effect of geometry confinement, double emulsion template, and polymerization quenching. <i>Microfluidics and Nanofluidics</i> , 2012 , 12, 33-39 ^{2.8}	2.8	17
46	Paper supported long-term 3D liver co-culture model for the assessment of hepatotoxic drugs. <i>Toxicology Research</i> , 2018 , 7, 13-21	2.6	16
45	Modeling Human Nonalcoholic Fatty Liver Disease (NAFLD) with an Organoids-on-a-Chip System. <i>ACS Biomaterials Science and Engineering</i> , 2020 , 6, 5734-5743	5.5	16
44	Assessment of cadmium-induced nephrotoxicity using a kidney-on-a-chip device. <i>Toxicology Research</i> , 2017 , 6, 372-380	2.6	14
43	DNA diagnosis by capillary electrophoresis and microfabricated electrophoretic devices. <i>Expert Review of Molecular Diagnostics</i> , 2003 , 3, 387-94	3.8	14

42	High throughput generation and trapping of individual agarose microgel using microfluidic approach. <i>Microfluidics and Nanofluidics</i> , 2013 , 15, 467-474	2.8	13
41	Patterning hypoxic multicellular spheroids in a 3D matrix - a promising method for anti-tumor drug screening. <i>Biotechnology Journal</i> , 2016 , 11, 127-34	5.6	12
40	A microfluidic strategy to fabricate ultra-thin polyelectrolyte hollow microfibers as 3D cellular carriers. <i>Materials Science and Engineering C</i> , 2019 , 104, 109705	8.3	12
39	Bezafibrate-mizoribine interaction: Involvement of organic anion transporters OAT1 and OAT3 in rats. <i>European Journal of Pharmaceutical Sciences</i> , 2016 , 81, 119-28	5.1	11
38	Stimulation of chondrocytes and chondroinduced mesenchymal stem cells by osteoinduced mesenchymal stem cells under a fluid flow stimulus on an integrated microfluidic device. <i>Molecular Medicine Reports</i> , 2018 , 17, 2277-2288	2.9	11
37	Development of micropump-actuated negative pressure pinched injection for parallel electrophoresis on array microfluidic chip. <i>Electrophoresis</i> , 2009 , 30, 3053-3057	3.6	11
36	A simple photolithography method for microfluidic device fabrication using sunlight as UV source. <i>Microfluidics and Nanofluidics</i> , 2010 , 9, 1247-1252	2.8	11
35	One-step synthesis of composite hydrogel capsules to support liver organoid generation from hiPSCs. <i>Biomaterials Science</i> , 2020 , 8, 5476-5488	7.4	11
34	Simple fabrication of inner chitosan-coated alginate hollow microfiber with higher stability. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2019 , 107, 2527-2536	3.5	11
33	Probing the response of lung tumor cells to inflammatory microvascular endothelial cells on fluidic microdevice. <i>Electrophoresis</i> , 2017 , 38, 311-319	3.6	10
32	One-Step Generation of Aqueous-Droplet-Filled Hydrogel Fibers as Organoid Carriers Using an All-in-Water Microfluidic System. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 3199-3208	9.5	10
31	Neurodevelopmental impairment induced by prenatal valproic acid exposure shown with the human cortical organoid-on-a-chip model. <i>Microsystems and Nanoengineering</i> , 2020 , 6, 49	7.7	9
30	Simple and fast isolation of circulating exosomes with a chitosan modified shuttle flow microchip for breast cancer diagnosis. <i>Lab on A Chip</i> , 2021 , 21, 1759-1770	7.2	9
29	Controllable synthesis of anisotropic elongated particles using microvalve actuated microfluidic approach. <i>Journal of Materials Chemistry</i> , 2011 , 21, 2466		8
28	Patterning cell using Si-stencil for high-throughput assay. <i>RSC Advances</i> , 2011 , 1, 746	3.7	8
27	Amnion-on-a-chip: modeling human amniotic development in mid-gestation from pluripotent stem cells. <i>Lab on A Chip</i> , 2020 , 20, 3258-3268	7.2	8
26	A flexible microfluidic strategy to generate grooved microfibers for guiding cell alignment. <i>Biomaterials Science</i> , 2021 , 9, 4880-4890	7.4	8
25	Regulating cell behaviors on micropillar topographies affected by interfacial energy. <i>RSC Advances</i> , 2015 , 5, 22916-22922	3.7	7

24	Flexible Generation of Multi-Aqueous Core Hydrogel Capsules Using Microfluidic Aqueous Two-Phase System. <i>Advanced Materials Technologies</i> , 2020 , 5, 2000045	6.8	7
23	An integrated microfluidic device for characterizing chondrocyte metabolism in response to distinct levels of fluid flow stimulus. <i>Microfluidics and Nanofluidics</i> , 2013 , 15, 763-773	2.8	7
22	Microfluidic Organs-on-a-Chip for Modeling Human Infectious Diseases. <i>Accounts of Chemical Research</i> , 2021 , 54, 3550-3562	24.3	7
21	Microengineered Multi-Organoid System from hiPSCs to Recapitulate Human Liver-Islet Axis in Normal and Type 2 Diabetes.. <i>Advanced Science</i> , 2021 , e2103495	13.6	7
20	Integrated Microfluidic Device for Enrichment and Identification of Circulating Tumor Cells from the Blood of Patients with Colorectal Cancer. <i>Disease Markers</i> , 2019 , 2019, 8945974	3.2	6
19	Highly efficient separation of dsDNA fragments on glass chips by using an ultralow viscosity sieving matrix. <i>Journal of Separation Science</i> , 2003 , 26, 869-874	3.4	6
18	Human induced pluripotent stem cell-derived cardiac tissue on a thin collagen membrane with natural microstructures. <i>Biomaterials Science</i> , 2016 , 4, 1655-1662	7.4	6
17	Probing the Bi-directional Interaction Between Microglia and Gliomas in a Tumor Microenvironment on a Microdevice. <i>Neurochemical Research</i> , 2017 , 42, 1478-1487	4.6	5
16	Analysis of <i>Caenorhabditis elegans</i> in microfluidic devices. <i>Science China Chemistry</i> , 2012 , 55, 484-493	7.9	5
15	Bioinspired Engineering of Organ-on-Chip Devices. <i>Advances in Experimental Medicine and Biology</i> , 2019 , 1174, 401-440	3.6	4
14	Controllable Fabrication of Composite Core-Shell Capsules at a Macroscale as Organoid Biocarriers.. <i>ACS Applied Bio Materials</i> , 2021 , 4, 1584-1596	4.1	4
13	Human Organoids and Organs-on-Chips for Addressing COVID-19 Challenges.. <i>Advanced Science</i> , 2022 , e2105187	13.6	3
12	A human disease model of SARS-CoV-2-induced lung injury and immune responses with a microengineered organ chip		3
11	Microengineered hiPSC-Derived 3D Amnion Tissue Model to Probe Amniotic Inflammatory Responses under Bacterial Exposure. <i>ACS Biomaterials Science and Engineering</i> , 2020 , 6, 4644-4652	5.5	3
10	Malignant Melanoma-Derived Exosomes Induce Endothelial Damage and Glial Activation on a Human BBB Chip Model.. <i>Biosensors</i> , 2022 , 12,	5.9	2
9	Advances of Exosomal miRNAs in Breast Cancer Progression and Diagnosis. <i>Diagnostics</i> , 2021 , 11,	3.8	2
8	Establishment of Trophoblast-Like Tissue Model from Human Pluripotent Stem Cells in Three-Dimensional Culture System. <i>Advanced Science</i> , 2021 , e2100031	13.6	2
7	Modeling SARS-CoV-2 infection in vitro with a human intestine-on-chip device		2

6	Brain organoid-on-chip system to study the effects of breast cancer derived exosomes on the neurodevelopment of brain.. <i>Cell Regeneration</i> , 2022 , 11, 7	2.5	2
5	Microdevices: Flexible Fabrication of Shape-Controlled Collagen Building Blocks for Self-Assembly of 3D Microtissues (Small 30/2015). <i>Small</i> , 2015 , 11, 3665-3665	11	1
4	MODIFIED ALGINATE/CHITOSAN HOLLOW MICROFIBER AS A BIOCOMPATIBLE FRAME FOR BLOOD VESSEL RECONSTRUCTION. <i>Nano LIFE</i> , 2012 , 02, 1242005	0.9	1
3	Epoxidation of electron-deficient α,β -unsaturated carbonyl compounds over Keggin heteropoly compounds with aqueous H ₂ O ₂ . <i>Journal of Chemical Research</i> , 2005 , 2005, 716-718	0.6	1
2	A Portable Device for Simple Exosome Separation from Biological Samples. <i>Micromachines</i> , 2021 , 12,	3.3	1
1	Honeycomb Structures: Facile Synthesis of Biomimetic Honeycomb Material with Biological Functionality (Small 4/2013). <i>Small</i> , 2013 , 9, 644-644	11	