

Charles Pin-Kuang Lai

List of Publications by Citations

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

40
papers

4,087
citations

26
h-index

40
g-index

40
ext. papers

5,145
ext. citations

10.8
avg, IF

5.41
L-index

#	Paper	IF	Citations
40	Extracellular Vesicles: Composition, Biological Relevance, and Methods of Study. <i>BioScience</i> , 2015 , 65, 783-797	5.7	459
39	Dynamic biodistribution of extracellular vesicles in vivo using a multimodal imaging reporter. <i>ACS Nano</i> , 2014 , 8, 483-494	16.7	454
38	Obstacles and opportunities in the functional analysis of extracellular vesicle RNA - an ISEV position paper. <i>Journal of Extracellular Vesicles</i> , 2017 , 6, 1286095	16.4	410
37	Visualization and tracking of tumour extracellular vesicle delivery and RNA translation using multiplexed reporters. <i>Nature Communications</i> , 2015 , 6, 7029	17.4	345
36	Role of exosomes/microvesicles in the nervous system and use in emerging therapies. <i>Frontiers in Physiology</i> , 2012 , 3, 228	4.6	207
35	Directly visualized glioblastoma-derived extracellular vesicles transfer RNA to microglia/macrophages in the brain. <i>Neuro-Oncology</i> , 2016 , 18, 58-69	1	192
34	SCS macrophages suppress melanoma by restricting tumor-derived vesicle-B cell interactions. <i>Science</i> , 2016 , 352, 242-6	33.3	188
33	Concise Review: Developing Best-Practice Models for the Therapeutic Use of Extracellular Vesicles. <i>Stem Cells Translational Medicine</i> , 2017 , 6, 1730-1739	6.9	177
32	Selective inhibition of Cx43 hemichannels by Gap19 and its impact on myocardial ischemia/reperfusion injury. <i>Basic Research in Cardiology</i> , 2013 , 108, 309	11.8	172
31	Ca(2+) regulation of connexin 43 hemichannels in C6 glioma and glial cells. <i>Cell Calcium</i> , 2009 , 46, 176-874		169
30	Engineered nanointerfaces for microfluidic isolation and molecular profiling of tumor-specific extracellular vesicles. <i>Nature Communications</i> , 2018 , 9, 175	17.4	158
29	Tumor-suppressive effects of pannexin 1 in C6 glioma cells. <i>Cancer Research</i> , 2007 , 67, 1545-54	10.1	156
28	Connexin 43 hemichannels contribute to the propagation of apoptotic cell death in a rat C6 glioma cell model. <i>Cell Death and Differentiation</i> , 2009 , 16, 151-63	12.7	142
27	Imaging extracellular vesicles: current and emerging methods. <i>Journal of Biomedical Science</i> , 2018 , 25, 91	13.3	141
26	Delivery of nitric oxide with a nanocarrier promotes tumour vessel normalization and potentiates anti-cancer therapies. <i>Nature Nanotechnology</i> , 2019 , 14, 1160-1169	28.7	123
25	Delivery of Therapeutic Proteins via Extracellular Vesicles: Review and Potential Treatments for Parkinson's Disease, Glioma, and Schwannoma. <i>Cellular and Molecular Neurobiology</i> , 2016 , 36, 417-27	4.6	64
24	Pannexin2 as a novel growth regulator in C6 glioma cells. <i>Oncogene</i> , 2009 , 28, 4402-8	9.2	56

23	Biogenesis, delivery, and function of extracellular RNA. <i>Journal of Extracellular Vesicles</i> , 2015 , 4, 27494	16.4	54
22	Combined delivery of sorafenib and a MEK inhibitor using CXCR4-targeted nanoparticles reduces hepatic fibrosis and prevents tumor development. <i>Theranostics</i> , 2018 , 8, 894-905	12.1	52
21	Meeting report: discussions and preliminary findings on extracellular RNA measurement methods from laboratories in the NIH Extracellular RNA Communication Consortium. <i>Journal of Extracellular Vesicles</i> , 2015 , 4, 26533	16.4	45
20	Pannexin1 drives multicellular aggregate compaction via a signaling cascade that remodels the actin cytoskeleton. <i>Journal of Biological Chemistry</i> , 2012 , 287, 8407-16	5.4	41
19	Critical considerations for the development of potency tests for therapeutic applications of mesenchymal stromal cell-derived small extracellular vesicles. <i>Cytotherapy</i> , 2021 , 23, 373-380	4.8	41
18	The power of imaging to understand extracellular vesicle biology in vivo. <i>Nature Methods</i> , 2021 , 18, 1013-1026	10.26	38
17	Noninvasive in vivo monitoring of extracellular vesicles. <i>Methods in Molecular Biology</i> , 2014 , 1098, 249-58	5.4	33
16	Glioblastoma hijacks microglial gene expression to support tumor growth. <i>Journal of Neuroinflammation</i> , 2020 , 17, 120	10.1	30
15	Sonogenetic Modulation of Cellular Activities Using an Engineered Auditory-Sensing Protein. <i>Nano Letters</i> , 2020 , 20, 1089-1100	11.5	26
14	Methods for Systematic Identification of Membrane Proteins for Specific Capture of Cancer-Derived Extracellular Vesicles. <i>Cell Reports</i> , 2019 , 27, 255-268.e6	10.6	24
13	Multiresolution Imaging Using Bioluminescence Resonance Energy Transfer Identifies Distinct Biodistribution Profiles of Extracellular Vesicles and Exomeres with Redirected Tropism. <i>Advanced Science</i> , 2020 , 7, 2001467	13.6	24
12	Proteomic Analysis of Extracellular Vesicles for Cancer Diagnostics. <i>Proteomics</i> , 2019 , 19, e1800162	4.8	23
11	Survival benefit and phenotypic improvement by hamartin gene therapy in a tuberous sclerosis mouse brain model. <i>Neurobiology of Disease</i> , 2015 , 82, 22-31	7.5	12
10	Membrane-bound Gaussia luciferase as a tool to track shedding of membrane proteins from the surface of extracellular vesicles. <i>Scientific Reports</i> , 2019 , 9, 17387	4.9	10
9	Isolation and recovery of extracellular vesicles using optically-induced dielectrophoresis on an integrated microfluidic platform. <i>Lab on A Chip</i> , 2021 , 21, 1475-1483	7.2	8
8	A multiplexed bioluminescent reporter for sensitive and non-invasive tracking of DNA double strand break repair dynamics in vitro and in vivo. <i>Nucleic Acids Research</i> , 2020 , 48, e100	20.1	4
7	Tracking Extracellular Vesicles Delivery and RNA Translation Using Multiplexed Reporters. <i>Methods in Molecular Biology</i> , 2017 , 1660, 255-265	1.4	2
6	Passing potassium with and without gap junctions. <i>Journal of Neuroscience</i> , 2006 , 26, 8023-4	6.6	2

5	Pharmacokinetics and biodistribution of extracellular vesicles administered intravenously and intranasally to <i>Macaca nemestrina</i>		2
4	Isolation and digital counting of extracellular vesicles from blood via membrane-integrated microfluidics. <i>Sensors and Actuators B: Chemical</i> , 2022 , 358, 131473	8.5	1
3	Multi-resolution imaging using bioluminescence resonance energy transfer identifies distinct biodistribution profiles of extracellular vesicles and exomeres with redirected tropism		1
2	Multiplexed bioluminescence-mediated tracking of DNA double-strand break repairs in vitro and in vivo. <i>Nature Protocols</i> , 2021 , 16, 3933-3953	18.8	1
1	Connexins and pannexins: Two gap junction families mediating glioma growth control 2009 , 547-567		