

Ke Cheng

List of Publications by Citations

Source: <https://exaly.com/author-pdf/996824/ke-cheng-publications-by-citations.pdf>

Version: 2024-04-28

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.

98
papers

6,053
citations

40
h-index

77
g-index

105
ext. papers

7,602
ext. citations

10.4
avg, IF

6.04
L-index

#	Paper	IF	Citations
98	Intracoronary cardiosphere-derived cells for heart regeneration after myocardial infarction (CADUCEUS): a prospective, randomised phase 1 trial. <i>Lancet, The</i> , 2012 , 379, 895-904	40	1108
97	Exosomes as critical agents of cardiac regeneration triggered by cell therapy. <i>Stem Cell Reports</i> , 2014 , 2, 606-19	8	548
96	Direct comparison of different stem cell types and subpopulations reveals superior paracrine potency and myocardial repair efficacy with cardiosphere-derived cells. <i>Journal of the American College of Cardiology</i> , 2012 , 59, 942-53	15.1	370
95	Safety and efficacy of allogeneic cell therapy in infarcted rats transplanted with mismatched cardiosphere-derived cells. <i>Circulation</i> , 2012 , 125, 100-12	16.7	218
94	Magnetic targeting enhances engraftment and functional benefit of iron-labeled cardiosphere-derived cells in myocardial infarction. <i>Circulation Research</i> , 2010 , 106, 1570-81	15.7	208
93	Therapeutic microparticles functionalized with biomimetic cardiac stem cell membranes and secretome. <i>Nature Communications</i> , 2017 , 8, 13724	17.4	164
92	Targeting regenerative exosomes to myocardial infarction using cardiac homing peptide. <i>Theranostics</i> , 2018 , 8, 1869-1878	12.1	159
91	Conjugation of haematopoietic stem cells and platelets decorated with anti-PD-1 antibodies augments anti-leukaemia efficacy. <i>Nature Biomedical Engineering</i> , 2018 , 2, 831-840	19	143
90	microRNA-21-5p dysregulation in exosomes derived from heart failure patients impairs regenerative potential. <i>Journal of Clinical Investigation</i> , 2019 , 129, 2237-2250	15.9	121
89	Fabrication of Synthetic Mesenchymal Stem Cells for the Treatment of Acute Myocardial Infarction in Mice. <i>Circulation Research</i> , 2017 , 120, 1768-1775	15.7	118
88	Tumor cell-derived exosomes home to their cells of origin and can be used as Trojan horses to deliver cancer drugs. <i>Theranostics</i> , 2020 , 10, 3474-3487	12.1	114
87	Cardiac cell-integrated microneedle patch for treating myocardial infarction. <i>Science Advances</i> , 2018 , 4, eaat9365	14.3	111
86	Atorvastatin enhances the therapeutic efficacy of mesenchymal stem cells-derived exosomes in acute myocardial infarction via up-regulating long non-coding RNA H19. <i>Cardiovascular Research</i> , 2020 , 116, 353-367	9.9	110
85	Targeted repair of heart injury by stem cells fused with platelet nanovesicles. <i>Nature Biomedical Engineering</i> , 2018 , 2, 17-26	19	101
84	Heart Repair Using Nanogel-Encapsulated Human Cardiac Stem Cells in Mice and Pigs with Myocardial Infarction. <i>ACS Nano</i> , 2017 , 11, 9738-9749	16.7	96
83	Inhalation of lung spheroid cell secretome and exosomes promotes lung repair in pulmonary fibrosis. <i>Nature Communications</i> , 2020 , 11, 1064	17.4	95
82	Magnetic antibody-linked nanomatchmakers for therapeutic cell targeting. <i>Nature Communications</i> , 2014 , 5, 4880	17.4	93

81	Relative roles of CD90 and c-kit to the regenerative efficacy of cardiosphere-derived cells in humans and in a mouse model of myocardial infarction. <i>Journal of the American Heart Association</i> , 2014 , 3, e001260	6	90
80	Functional performance of human cardiosphere-derived cells delivered in an in situ polymerizable hyaluronan-gelatin hydrogel. <i>Biomaterials</i> , 2012 , 33, 5317-24	15.6	86
79	Magnetic targeting of cardiosphere-derived stem cells with ferumoxytol nanoparticles for treating rats with myocardial infarction. <i>Biomaterials</i> , 2014 , 35, 8528-39	15.6	82
78	Mesenchymal Stem Cell/Red Blood Cell-Inspired Nanoparticle Therapy in Mice with Carbon Tetrachloride-Induced Acute Liver Failure. <i>ACS Nano</i> , 2018 , 12, 6536-6544	16.7	76
77	Concise Review: Is Cardiac Cell Therapy Dead? Embarrassing Trial Outcomes and New Directions for the Future. <i>Stem Cells Translational Medicine</i> , 2018 , 7, 354-359	6.9	74
76	Magnetic enhancement of cell retention, engraftment, and functional benefit after intracoronary delivery of cardiac-derived stem cells in a rat model of ischemia/reperfusion. <i>Cell Transplantation</i> , 2012 , 21, 1121-35	4	74
75	An off-the-shelf artificial cardiac patch improves cardiac repair after myocardial infarction in rats and pigs. <i>Science Translational Medicine</i> , 2020 , 12,	17.5	71
74	Intravenous Cardiac Stem Cell-Derived Exosomes Ameliorate Cardiac Dysfunction in Doxorubicin Induced Dilated Cardiomyopathy. <i>Stem Cells International</i> , 2015 , 2015, 960926	5	67
73	Cellular postconditioning: allogeneic cardiosphere-derived cells reduce infarct size and attenuate microvascular obstruction when administered after reperfusion in pigs with acute myocardial infarction. <i>Circulation: Heart Failure</i> , 2015 , 8, 322-32	7.6	65
72	Needle-Free Injection of Exosomes Derived from Human Dermal Fibroblast Spheroids Ameliorates Skin Photoaging. <i>ACS Nano</i> , 2019 , 13, 11273-11282	16.7	62
71	Three-dimensional polymer scaffolds for high throughput cell-based assay systems. <i>Biomaterials</i> , 2008 , 29, 2802-12	15.6	59
70	Platelet-Inspired Nanocells for Targeted Heart Repair After Ischemia/Reperfusion Injury. <i>Advanced Functional Materials</i> , 2019 , 29, 1803567	15.6	58
69	Importance of cell-cell contact in the therapeutic benefits of cardiosphere-derived cells. <i>Stem Cells</i> , 2014 , 32, 2397-406	5.8	50
68	Magnetically Targeted Stem Cell Delivery for Regenerative Medicine. <i>Journal of Functional Biomaterials</i> , 2015 , 6, 526-46	4.8	50
67	Hyaluronic Acid Hydrogel Integrated with Mesenchymal Stem Cell-Secretome to Treat Endometrial Injury in a Rat Model of Asherman's Syndrome. <i>Advanced Healthcare Materials</i> , 2019 , 8, e1900411	10.1	48
66	Cardiac Stem Cell Patch Integrated with Microengineered Blood Vessels Promotes Cardiomyocyte Proliferation and Neovascularization after Acute Myocardial Infarction. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 33088-33096	9.5	48
65	Minimally invasive delivery of therapeutic agents by hydrogel injection into the pericardial cavity for cardiac repair. <i>Nature Communications</i> , 2021 , 12, 1412	17.4	47
64	Platelets and their biomimetics for regenerative medicine and cancer therapies. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 7354-7365	7.3	46

63	Exploring cellular adhesion and differentiation in a micro-/nano-hybrid polymer scaffold. <i>Biotechnology Progress</i> , 2010 , 26, 838-46	2.8	45
62	Dose-dependent functional benefit of human cardiosphere transplantation in mice with acute myocardial infarction. <i>Journal of Cellular and Molecular Medicine</i> , 2012 , 16, 2112-6	5.6	43
61	A Regenerative Cardiac Patch Formed by Spray Painting of Biomaterials onto the Heart. <i>Tissue Engineering - Part C: Methods</i> , 2017 , 23, 146-155	2.9	42
60	Allogeneic cardiospheres delivered via percutaneous transendocardial injection increase viable myocardium, decrease scar size, and attenuate cardiac dilatation in porcine ischemic cardiomyopathy. <i>PLoS ONE</i> , 2014 , 9, e113805	3.7	40
59	Intramyocardial injection of platelet gel promotes endogenous repair and augments cardiac function in rats with myocardial infarction. <i>Journal of the American College of Cardiology</i> , 2012 , 59, 256-64	15.1	40
58	Dermal exosomes containing miR-218-5p promote hair regeneration by regulating β -catenin signaling. <i>Science Advances</i> , 2020 , 6, eaba1685	14.3	39
57	Exosome-eluting stents for vascular healing after ischaemic injury. <i>Nature Biomedical Engineering</i> , 2021 , 5, 1174-1188	19	38
56	Transplantation of platelet gel spiked with cardiosphere-derived cells boosts structural and functional benefits relative to gel transplantation alone in rats with myocardial infarction. <i>Biomaterials</i> , 2012 , 33, 2872-9	15.6	37
55	A New Era of Cardiac Cell Therapy: Opportunities and Challenges. <i>Advanced Healthcare Materials</i> , 2019 , 8, e1801011	10.1	37
54	Adult Lung Spheroid Cells Contain Progenitor Cells and Mediate Regeneration in Rodents With Bleomycin-Induced Pulmonary Fibrosis. <i>Stem Cells Translational Medicine</i> , 2015 , 4, 1265-74	6.9	34
53	Chemical Engineering of Cell Therapy for Heart Diseases. <i>Accounts of Chemical Research</i> , 2019 , 52, 1687-1696	14.9	31
52	Targeted anti-IL-1 β platelet microparticles for cardiac detoxing and repair. <i>Science Advances</i> , 2020 , 6, eaay0589	14.3	31
51	Angiopeliosis as an Alternative Mechanism of Cell Extravasation. <i>Stem Cells</i> , 2017 , 35, 170-180	5.8	31
50	Cell-mimicking nanodecoys neutralize SARS-CoV-2 and mitigate lung injury in a non-human primate model of COVID-19. <i>Nature Nanotechnology</i> , 2021 , 16, 942-951	28.7	24
49	Isolation and cryopreservation of neonatal rat cardiomyocytes. <i>Journal of Visualized Experiments</i> , 2015 ,	1.6	22
48	Effects of Matrix Metalloproteinases on the Performance of Platelet Fibrin Gel Spiked With Cardiac Stem Cells in Heart Repair. <i>Stem Cells Translational Medicine</i> , 2016 , 5, 793-803	6.9	22
47	Injection of ROS-Responsive Hydrogel Loaded with Basic Fibroblast Growth Factor into the Pericardial Cavity for Heart Repair. <i>Advanced Functional Materials</i> , 2021 , 31, 2004377	15.6	22
46	Pretargeting and Bioorthogonal Click Chemistry-Mediated Endogenous Stem Cell Homing for Heart Repair. <i>ACS Nano</i> , 2018 , 12, 12193-12200	16.7	22

45	Intracoronary allogeneic cardiosphere-derived stem cells are safe for use in dogs with dilated cardiomyopathy. <i>Journal of Cellular and Molecular Medicine</i> , 2017 , 21, 1503-1512	5.6	21
44	Cell and biomaterial-based approaches to uterus regeneration. <i>International Journal of Energy Production and Management</i> , 2019 , 6, 141-148	5.3	20
43	Derivation of therapeutic lung spheroid cells from minimally invasive transbronchial pulmonary biopsies. <i>Respiratory Research</i> , 2017 , 18, 132	7.3	19
42	NIPAM-based Microgel Microenvironment Regulates the Therapeutic Function of Cardiac Stromal Cells. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 37783-37796	9.5	19
41	Circulating tumor cells exit circulation while maintaining multicellularity, augmenting metastatic potential. <i>Journal of Cell Science</i> , 2019 , 132,	5.3	18
40	Recent Development in Therapeutic Cardiac Patches. <i>Frontiers in Cardiovascular Medicine</i> , 2020 , 7, 610364	5.4	18
39	Antibody-Armed Platelets for the Regenerative Targeting of Endogenous Stem Cells. <i>Nano Letters</i> , 2019 , 19, 1883-1891	11.5	18
38	Cardiac regenerative potential of cardiosphere-derived cells from adult dog hearts. <i>Journal of Cellular and Molecular Medicine</i> , 2015 , 19, 1805-13	5.6	17
37	Safety and Efficacy of Allogeneic Lung Spheroid Cells in a Mismatched Rat Model of Pulmonary Fibrosis. <i>Stem Cells Translational Medicine</i> , 2017 , 6, 1905-1916	6.9	16
36	Cardiac Stromal Cell Patch Integrated with Engineered Microvessels Improves Recovery from Myocardial Infarction in Rats and Pigs. <i>ACS Biomaterials Science and Engineering</i> , 2020 , 6, 6309-6320	5.5	16
35	Cells and cell derivatives as drug carriers for targeted delivery. <i>Medicine in Drug Discovery</i> , 2019 , 3, 100014	14	16
34	Self-Propelled and Near-Infrared-Phototoxic Photosynthetic Bacteria as Photothermal Agents for Hypoxia-Targeted Cancer Therapy. <i>ACS Nano</i> , 2021 , 15, 1100-1110	16.7	15
33	Platelet membrane and stem cell exosome hybrid enhances cellular uptake and targeting to heart injury. <i>Nano Today</i> , 2021 , 39, 101210-101210	17.9	14
32	A Minimally Invasive Exosome Spray Repairs Heart after Myocardial Infarction. <i>ACS Nano</i> , 2021 ,	16.7	13
31	All Roads Lead to Rome (the Heart): Cell Retention and Outcomes From Various Delivery Routes of Cell Therapy Products to the Heart. <i>Journal of the American Heart Association</i> , 2021 , 10, e020402	6	12
30	Cardiac fibrosis: Myofibroblast-mediated pathological regulation and drug delivery strategies. <i>Advanced Drug Delivery Reviews</i> , 2021 , 173, 504-519	18.5	12
29	Persistent spread of the rmtB 16S rRNA methyltransferase gene among Escherichia coli isolates from diseased food-producing animals in China. <i>Veterinary Microbiology</i> , 2016 , 188, 41-6	3.3	12
28	Body builder: from synthetic cells to engineered tissues. <i>Current Opinion in Cell Biology</i> , 2018 , 54, 37-42	9	11

27	Rapid and Efficient Production of Coronary Artery Ligation and Myocardial Infarction in Mice Using Surgical Clips. <i>PLoS ONE</i> , 2015 , 10, e0143221	3.7	11
26	Light-triggered NO-releasing nanoparticles for treating mice with liver fibrosis. <i>Nano Research</i> , 2020 , 13, 2197-2202	10	9
25	Long Non-coding RNA LINC00115 Contributes to the Progression of Colorectal Cancer by Targeting miR-489-3p via the PI3K/AKT/mTOR Pathway. <i>Frontiers in Genetics</i> , 2020 , 11, 567630	4.5	9
24	Cardiac Cell Therapy for Heart Repair: Should the Cells Be Left Out?. <i>Cells</i> , 2021 , 10,	7.9	9
23	Advances in biomaterials and regenerative medicine for primary ovarian insufficiency therapy. <i>Bioactive Materials</i> , 2021 , 6, 1957-1972	16.7	9
22	Porous Organic Polymer-Coated Band-Aids for Phototherapy of Bacteria-Induced Wound Infection.. <i>ACS Applied Bio Materials</i> , 2019 , 2, 613-618	4.1	9
21	Bioengineering Technologies for Cardiac Regenerative Medicine. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021 , 9, 681705	5.8	8
20	Bispecific Antibody Therapy for Effective Cardiac Repair through Redirection of Endogenous Stem Cells. <i>Advanced Therapeutics</i> , 2019 , 2, 1900009	4.9	7
19	A pre-investigational new drug study of lung spheroid cell therapy for treating pulmonary fibrosis. <i>Stem Cells Translational Medicine</i> , 2020 , 9, 786-798	6.9	7
18	Bispecific Antibody Inhalation Therapy for Redirecting Stem Cells from the Lungs to Repair Heart Injury. <i>Advanced Science</i> , 2020 , 8, 2002127	13.6	7
17	Magnetic Targeting of Stem Cell Derivatives Enhances Hepatic Engraftment into Structurally Normal Liver. <i>Cell Transplantation</i> , 2017 , 26, 1868-1877	4	6
16	Exosome and Biomimetic Nanoparticle Therapies for Cardiac Regenerative Medicine. <i>Current Stem Cell Research and Therapy</i> , 2020 , 15, 674-684	3.6	5
15	Engineering better stem cell therapies for treating heart diseases. <i>Annals of Translational Medicine</i> , 2020 , 8, 569	3.2	5
14	Nanoparticles functionalized with stem cell secretome and CXCR4-overexpressing endothelial membrane for targeted osteoporosis therapy.. <i>Journal of Nanobiotechnology</i> , 2022 , 20, 35	9.4	3
13	A fluid-powered refillable origami heart pouch for minimally invasive delivery of cell therapies in rats and pigs. <i>Med</i> , 2021 , 2, 1253-1268	31.7	3
12	Advances of exosome isolation techniques in lung cancer. <i>Molecular Biology Reports</i> , 2020 , 47, 7229-7251	1.8	3
11	Enhancement of Bone Regeneration Through the Converse Piezoelectric Effect, A Novel Approach for Applying Mechanical Stimulation.. <i>Bioelectricity</i> , 2021 , 3, 255-271	2	3
10	Intrapericardial hydrogel injection generates high cell retention and augments therapeutic effects of mesenchymal stem cells in myocardial infarction. <i>Chemical Engineering Journal</i> , 2022 , 427, 131581	14.7	3

9	Generation and Manipulation of Exosomes. <i>Methods in Molecular Biology</i> , 2021 , 2158, 295-305	1.4	3
8	Extruded Mesenchymal Stem Cell Nanovesicles Are Equally Potent to Natural Extracellular Vesicles in Cardiac Repair. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 55767-55779	9.5	2
7	Visualizing cancer extravasation: from mechanistic studies to drug development. <i>Cancer and Metastasis Reviews</i> , 2021 , 40, 71-88	9.6	2
6	Response by Luo et al to Letter Regarding Article, "Fabrication of Synthetic Mesenchymal Stem Cells for the Treatment of Acute Myocardial Infarction in Mice". <i>Circulation Research</i> , 2017 , 120, e48-e49 ^{15.7}	15.7	1
5	A Zebrafish Model of Metastatic Colonization Pinpoints Cellular Mechanisms of Circulating Tumor Cell Extravasation. <i>Frontiers in Oncology</i> , 2021 , 11, 641187	5.3	1
4	A stem cell-derived ovarian regenerative patch restores ovarian function and rescues fertility in rats with primary ovarian insufficiency. <i>Theranostics</i> , 2021 , 11, 8894-8908	12.1	0
3	Graphene oxide leads to mitochondrial-dependent apoptosis by activating ROS-p53-mPTP pathway in intestinal cells.. <i>International Journal of Biochemistry and Cell Biology</i> , 2022 , 146, 106206	5.6	0
2	Imaging and Isolation of Extravasation-Participating Endothelial and Melanoma Cells During Angiopeliosis. <i>Methods in Molecular Biology</i> , 2021 , 2265, 417-425	1.4	
1	Resuscitating the Field of Cardiac Regeneration: Seeking Answers from Basic Biology.. <i>Advanced Biology</i> , 2021 , e2101133		