

Phillip C Yang

List of Publications by Year in descending order

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Version: 2024-02-01

94
papers

4,054
citations

136740

32
h-index

123241

61
g-index

97
all docs

97
docs citations

97
times ranked

5981
citing authors

#	ARTICLE	IF	CITATIONS
1	Recommendations for nomenclature and definition of cell products intended for human cardiovascular use. <i>Cardiovascular Research</i> , 2022, 118, 2428-2436.	1.8	6
2	Stem Cell and Exosome Therapy in Pulmonary Hypertension. <i>Korean Circulation Journal</i> , 2022, 52, 110.	0.7	10
3	Induced pluripotent stem cell-derived extracellular vesicles in regenerative medicine. , 2022, , 507-527.		0
4	Comparative analysis on the anti-inflammatory/immune effect of mesenchymal stem cell therapy for the treatment of pulmonary arterial hypertension. <i>Scientific Reports</i> , 2021, 11, 2012.	1.6	12
5	Mitochondria-Rich Extracellular Vesicles From Autologous Stem Cell-Derived Cardiomyocytes Restore Energetics of Ischemic Myocardium. <i>Journal of the American College of Cardiology</i> , 2021, 77, 1073-1088.	1.2	102
6	miR-106a-363 cluster in extracellular vesicles promotes endogenous myocardial repair via Notch3 pathway in ischemic heart injury. <i>Basic Research in Cardiology</i> , 2021, 116, 19.	2.5	34
7	Dual Contrast Manganese-Enhanced MRI and Gadolinium Delayed-Enhanced MRI Detect Heterogeneous Myocardial Viability in Ischemic Cardiomyopathy. <i>JACC: Cardiovascular Imaging</i> , 2021, 14, 1474-1476.	2.3	3
8	A Phase II study of autologous mesenchymal stromal cells and CD34-positive cardiac cells, alone or in combination, in patients with ischaemic heart failure: the CCONCERT-HF trial. <i>European Journal of Heart Failure</i> , 2021, 23, 661-674.	2.9	89
9	Peripheral Blood Biomarkers Associated With Improved Functional Outcome in Patients With Chronic Left Ventricular Dysfunction: A Biorepository Evaluation of the FOCUS-CCTRN Trial. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 698088.	1.1	1
10	Mitochondria-Rich Extracellular Vesicles Rescue Patient-Specific Cardiomyocytes From Doxorubicin Injury. <i>JACC: CardioOncology</i> , 2021, 3, 428-440.	1.7	42
11	Therapeutic Applications of Extracellular Vesicles for Myocardial Repair. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 758050.	1.1	25
12	Meta-analysis of short- and long-term efficacy of mononuclear cell transplantation in patients with myocardial infarction. <i>American Heart Journal</i> , 2020, 220, 155-175.	1.2	7
13	Combined T2 preparation and multidimensional outer volume suppression for coronary artery imaging with 3D cones trajectories. <i>Magnetic Resonance in Medicine</i> , 2020, 83, 2221-2231.	1.9	1
14	Allogeneic Mesenchymal Cell Therapy in Anthracycline-Induced Cardiomyopathy Heart Failure Patients. <i>JACC: CardioOncology</i> , 2020, 2, 581-595.	1.7	24
15	Sacubitril/Valsartan Improves Cardiac Function and Decreases Myocardial Fibrosis Via Downregulation of Exosomal miR-181a in a Rodent Chronic Myocardial Infarction Model. <i>Journal of the American Heart Association</i> , 2020, 9, e015640.	1.6	50
16	Exosomes as natural nanocarriers for therapeutic and diagnostic use in cardiovascular diseases. , 2020, , 71-88.		0
17	Exosomes From Induced Pluripotent Stem Cell-Derived Cardiomyocytes Promote Autophagy for Myocardial Repair. <i>Journal of the American Heart Association</i> , 2020, 9, e014345.	1.6	71
18	Manganese-enhanced T1 mapping to quantify myocardial viability: validation with 18F-fluorodeoxyglucose positron emission tomography. <i>Scientific Reports</i> , 2020, 10, 2018.	1.6	10

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19	Stem Cell-Derived Exosomes Protect Astrocyte Cultures From in vitro Ischemia and Decrease Injury as Post-stroke Intravenous Therapy. <i>Frontiers in Cellular Neuroscience</i> , 2019, 13, 394.	1.8	64
20	Cardiovascular Magnetic Resonance Angiography. , 2019, , 236-281.		0
21	Myocardial viability of the peri-infarct region measured by T1 mapping post manganese-enhanced MRI correlates with LV dysfunction. <i>International Journal of Cardiology</i> , 2019, 281, 8-14.	0.8	2
22	Defining genotype-phenotype relationships in patients with hypertrophic cardiomyopathy using cardiovascular magnetic resonance imaging. <i>PLoS ONE</i> , 2019, 14, e0217612.	1.1	10
23	Ferumoxytol-enhanced cardiovascular magnetic resonance detection of early stage acute myocarditis. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2019, 21, 77.	1.6	5
24	Whole-heart coronary MR angiography using a 3D cones phyllotaxis trajectory. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 1092-1103.	1.9	7
25	Induced Pluripotent Stem Cell (iPSC)-Derived Exosomes for Precision Medicine in Heart Failure. <i>Circulation Research</i> , 2018, 122, 661-663.	2.0	39
26	Rationale and Design of the CONCERT-HF Trial (Combination of Mesenchymal and c-kit ⁺ Tj ETQq0 0 0 rgBT /Overlock 10 T	2.0	94
27	TIME Trial: Effect of Timing of Stem Cell Delivery Following ST-Elevation Myocardial Infarction on the Recovery of Global and Regional Left Ventricular Function. <i>Circulation Research</i> , 2018, 122, 479-488.	2.0	50
28	10â€¦Manganese-enhanced T1 mapping in myocardial infarction: validation with ¹⁸ F-FDG PET/MR. , 2018, , .		0
29	Manganese-Enhanced T ₁ Mapping in the Myocardium of Normal and Infarcted Hearts. <i>Contrast Media and Molecular Imaging</i> , 2018, 2018, 1-13.	0.4	15
30	Rationale and Design of the SENECA (StEm cell iNjEction in cAncer survivors) Trial. <i>American Heart Journal</i> , 2018, 201, 54-62.	1.2	17
31	Novel MRI Contrast from Magnetotactic Bacteria to Evaluate In Vivo Stem Cell Engraftment. , 2018, , 365-380.		0
32	Imaging cellular pharmacokinetics of ¹⁸ F-FDG and ⁶ -NBDG uptake by inflammatory and stem cells. <i>PLoS ONE</i> , 2018, 13, e0192662.	1.1	1
33	Abstract 17203: Exosomes From Induced Pluripotent Stem Cell-Derived Cardiomyocytes Salvage the Injured Myocardium by Modulation of Autophagy. <i>Circulation</i> , 2018, 138, .	1.6	0
34	3D image-based navigators for coronary MR angiography. <i>Magnetic Resonance in Medicine</i> , 2017, 77, 1874-1883.	1.9	33
35	Exosomes Generated From iPSC-Derivatives. <i>Circulation Research</i> , 2017, 120, 407-417.	2.0	140
36	Evaluation of Cell Therapy on Exercise Performance and Limb Perfusion in Peripheral Artery Disease. <i>Circulation</i> , 2017, 135, 1417-1428.	1.6	46

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37	Peripheral Blood Cytokine Levels After Acute Myocardial Infarction. <i>Circulation Research</i> , 2017, 120, 1947-1957.	2.0	33
38	Advanced glycation end-product (AGE)-albumin from activated macrophage is critical in human mesenchymal stem cells survival and post-ischemic reperfusion injury. <i>Scientific Reports</i> , 2017, 7, 11593.	1.6	14
39	Paracrine Effects of the Pluripotent Stem Cell-Derived Cardiac Myocytes Salvage the Injured Myocardium. <i>Circulation Research</i> , 2017, 121, e22-e36.	2.0	124
40	T1 Map of Post-Myocardial Infarction for Precise Tissue Characterization. <i>Circulation: Cardiovascular Imaging</i> , 2017, 10, .	1.3	0
41	Myocardial Edema on T2-Weighted MRI. <i>Circulation Research</i> , 2017, 121, 326-328.	2.0	12
42	Molecular Imaging of Stem Cells and Exosomes for Myocardial Regeneration. <i>Current Cardiovascular Imaging Reports</i> , 2017, 10, 1.	0.4	3
43	Circulating Biomarkers to Identify Responders in Cardiac Cell therapy. <i>Scientific Reports</i> , 2017, 7, 4419.	1.6	18
44	Baseline assessment and comparison of arterial anatomy, hyperemic flow, and skeletal muscle perfusion in peripheral artery disease: The Cardiovascular Cell Therapy Research Network "Patients with Intermittent Claudication Injected with ALDH Bright Cells" (CCTRN PACE) study. <i>American Heart Journal</i> , 2017, 183, 24-34.	1.2	13
45	Identification of cardiovascular risk factors associated with bone marrow cell subsets in patients with STEMI: a biorepository evaluation from the CCTRN TIME and LateTIME clinical trials. <i>Basic Research in Cardiology</i> , 2017, 112, 3.	2.5	16
46	Challenging the complementarity of different metrics of left atrial function: insight from a cardiomyopathy-based study. <i>European Heart Journal Cardiovascular Imaging</i> , 2017, 18, 1153-1162.	0.5	16
47	Abstract 21129: Arterial Anatomy and Functional Performance in Peripheral Artery Disease: Cardiovascular Cell Therapy Research Network Patients With Intermittent Claudication Injected With ALDH Bright Cells: CCTRN PACE. <i>Circulation</i> , 2017, 136, .	1.6	0
48	Magnetic Nanoparticles for Targeting and Imaging of Stem Cells in Myocardial Infarction. <i>Stem Cells International</i> , 2016, 2016, 1-9.	1.2	50
49	Efficacy of Danlou Tablet in Patients with Non-ST Elevation Acute Coronary Syndrome Undergoing Percutaneous Coronary Intervention: Results from a Multicentre, Placebo-Controlled, Randomized Trial. <i>Evidence-based Complementary and Alternative Medicine</i> , 2016, 2016, 1-10.	0.5	11
50	Bone marrow cell characteristics associated with patient profile and cardiac performance outcomes in the LateTIME-Cardiovascular Cell Therapy Research Network (CCTRN) trial. <i>American Heart Journal</i> , 2016, 179, 142-150.	1.2	18
51	Apelin-13 infusion salvages the peri-infarct region to preserve cardiac function after severe myocardial injury. <i>International Journal of Cardiology</i> , 2016, 222, 361-367.	0.8	10
52	The Promise and Challenge of Induced Pluripotent Stem Cells for Cardiovascular Applications. <i>JACC Basic To Translational Science</i> , 2016, 1, 510-523.	1.9	41
53	Novel MRI Contrast Agent from Magnetotactic Bacteria Enables In Vivo Tracking of iPSC-derived Cardiomyocytes. <i>Scientific Reports</i> , 2016, 6, 26960.	1.6	33
54	Multimodality Molecular Imaging of Cardiac Cell Transplantation: Part I. Reporter Gene Design, Characterization, and Optical in Vivo Imaging of Bone Marrow Stromal Cells after Myocardial Infarction. <i>Radiology</i> , 2016, 280, 815-825.	3.6	12

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55	Multimodality Molecular Imaging of Cardiac Cell Transplantation: Part II. In Vivo Imaging of Bone Marrow Stromal Cells in Swine with PET/CT and MR Imaging. <i>Radiology</i> , 2016, 280, 826-836.	3.6	12
56	Aligned nanofibrillar collagen scaffolds “ Guiding lymphangiogenesis for treatment of acquired lymphedema. <i>Biomaterials</i> , 2016, 102, 259-267.	5.7	55
57	Telmisartan in the diabetic murine model of acute myocardial infarction: dual contrast manganese-enhanced and delayed enhancement MRI evaluation of the peri-infarct region. <i>Cardiovascular Diabetology</i> , 2016, 15, 24.	2.7	7
58	Concise Review: Review and Perspective of Cell Dosage and Routes of Administration From Preclinical and Clinical Studies of Stem Cell Therapy for Heart Disease. <i>Stem Cells Translational Medicine</i> , 2016, 5, 186-191.	1.6	109
59	Infection-resistant MRI-visible scaffolds for tissue engineering applications. <i>BioImpacts</i> , 2016, 6, 111-115.	0.7	55
60	Direct Evaluation of Myocardial Viability and Stem Cell Engraftment Demonstrates Salvage of the Injured Myocardium. <i>Circulation Research</i> , 2015, 116, e40-50.	2.0	49
61	Rationale and Design of Sodium Tanshinone IIA Sulfonate in Left Ventricular Remodeling Secondary to Acute Myocardial Infarction (STAMP-REMODELING) Trial: A Randomized Controlled Study. <i>Cardiovascular Drugs and Therapy</i> , 2015, 29, 535-542.	1.3	19
62	Epicardial FSTL1 reconstitution regenerates the adult mammalian heart. <i>Nature</i> , 2015, 525, 479-485.	13.7	402
63	Manganese-Enhanced Magnetic Resonance Imaging Enables In Vivo Confirmation of Peri-Infarct Restoration Following Stem Cell Therapy in a Porcine Ischemia-Reperfusion Model. <i>Journal of the American Heart Association</i> , 2015, 4, .	1.6	21
64	Relationship between Echocardiographic and Magnetic Resonance Derived Measures of Right Ventricular Size and Function in Patients with Pulmonary Hypertension. <i>Journal of the American Society of Echocardiography</i> , 2014, 27, 405-412.	1.2	46
65	Graphite Oxide Nanoparticles with Diameter Greater than 20 nm Are Biocompatible with Mouse Embryonic Stem Cells and Can Be Used in a Tissue Engineering System. <i>Small</i> , 2014, 10, 1479-1484.	5.2	13
66	Abstract 19831: In Vivo Molecular Imaging of Human Pluripotent Stem Cell-derived Cardiomyocytes in a Murine Myocardial Injury Model via a Safe Harbor Integration of a Reporter Gene. <i>Circulation</i> , 2014, 130, .	1.6	4
67	Multi-cellular interactions sustain long-term contractility of human pluripotent stem cell-derived cardiomyocytes. <i>American Journal of Translational Research (discontinued)</i> , 2014, 6, 724-35.	0.0	32
68	Human Amniotic Mesenchymal Stem Cell-Derived Induced Pluripotent Stem Cells May Generate a Universal Source of Cardiac Cells. <i>Stem Cells and Development</i> , 2012, 21, 2798-2808.	1.1	42
69	Is Reliable In Vivo Detection of Stem Cell Viability Possible in a Large Animal Model of Myocardial Injury?. <i>Circulation</i> , 2012, 126, 388-390.	1.6	9
70	Theranostic effect of serial manganese-enhanced magnetic resonance imaging of human embryonic stem cell derived teratoma. <i>Magnetic Resonance in Medicine</i> , 2012, 68, 595-599.	1.9	4
71	Apelin Enhances Directed Cardiac Differentiation of Mouse and Human Embryonic Stem Cells. <i>PLoS ONE</i> , 2012, 7, e38328.	1.1	36
72	Bone Marrow Cell Therapy in Clinical Trials: A Review of the Literature. <i>Reviews on Recent Clinical Trials</i> , 2012, 7, 204-213.	0.4	3

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73	In vivo molecular MRI of cell survival and teratoma formation following embryonic stem cell transplantation into the injured murine myocardium. <i>Magnetic Resonance in Medicine</i> , 2011, 66, 1374-1381.	1.9	27
74	Dual Manganese-Enhanced and Delayed Gadolinium-Enhanced MRI Detects Myocardial Border Zone Injury in a Pig Ischemia-Reperfusion Model. <i>Circulation: Cardiovascular Imaging</i> , 2011, 4, 574-582.	1.3	28
75	Positive contrast with alternating repetition time SSFP (PARTS): A fast imaging technique for SPIO-labeled cells. <i>Magnetic Resonance in Medicine</i> , 2010, 63, 427-437.	1.9	28
76	Quantitative Tissue Characterization of Infarct Core and Border Zone in Patients With Ischemic Cardiomyopathy by Magnetic Resonance Is Associated With Future Cardiovascular Events. <i>Journal of the American College of Cardiology</i> , 2010, 55, 2762-2768.	1.2	104
77	Self-refocused spatial-spectral pulse for positive contrast imaging of cells labeled with SPIO nanoparticles. <i>Magnetic Resonance in Medicine</i> , 2009, 62, 183-192.	1.9	30
78	Manganese-guided cellular MRI of human embryonic stem cell and human bone marrow stromal cell viability. <i>Magnetic Resonance in Medicine</i> , 2009, 62, 1047-1054.	1.9	28
79	Comparison of Optical Bioluminescence Reporter Gene and Superparamagnetic Iron Oxide MR Contrast Agent as Cell Markers for Noninvasive Imaging of Cardiac Cell Transplantation. <i>Molecular Imaging and Biology</i> , 2009, 11, 178-187.	1.3	84
80	Imaging Survival and Function of Transplanted Cardiac Resident Stem Cells. <i>Journal of the American College of Cardiology</i> , 2009, 53, 1229-1240.	1.2	170
81	Quantitative characterization of myocardial infarction by cardiovascular magnetic resonance predicts future cardiovascular events in patients with ischemic cardiomyopathy. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2008, 10, 17.	1.6	51
82	In vivo serial evaluation of superparamagnetic iron-oxide labeled stem cells by off-resonance positive contrast. <i>Magnetic Resonance in Medicine</i> , 2008, 60, 1269-1275.	1.9	40
83	Comparison of Reporter Gene and Iron Particle Labeling for Tracking Fate of Human Embryonic Stem Cells and Differentiated Endothelial Cells in Living Subjects. <i>Stem Cells</i> , 2008, 26, 864-873.	1.4	216
84	Multimodal evaluation of in vivo magnetic resonance imaging of myocardial restoration by mouse embryonic stem cells. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2008, 136, 1028-1037.e1.	0.4	25
85	Multimodality Evaluation of the Viability of Stem Cells Delivered Into Different Zones of Myocardial Infarction. <i>Circulation: Cardiovascular Imaging</i> , 2008, 1, 6-13.	1.3	31
86	In vitro comparison of the biological effects of three transfection methods for magnetically labeling mouse embryonic stem cells with ferumoxides. <i>Magnetic Resonance in Medicine</i> , 2007, 57, 1173-1179.	1.9	72
87	Cardiovascular MRI for stem cell therapy. <i>Current Cardiology Reports</i> , 2007, 9, 45-50.	1.3	8
88	Dual in vivo magnetic resonance evaluation of magnetically labeled mouse embryonic stem cells and cardiac function at 1.5 t. <i>Magnetic Resonance in Medicine</i> , 2006, 55, 203-209.	1.9	106
89	Peri-Infarct Ischemia Determined by Cardiovascular Magnetic Resonance Evaluation of Myocardial Viability and Stress Perfusion Predicts Future Cardiovascular Events in Patients with Severe Ischemic Cardiomyopathy. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2006, 8, 773-779.	1.6	27
90	Collagen Matrices Enhance Survival of Transplanted Cardiomyoblasts and Contribute to Functional Improvement of Ischemic Rat Hearts. <i>Circulation</i> , 2006, 114, I-167-I-173.	1.6	188

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91	Positive contrast magnetic resonance imaging of cells labeled with magnetic nanoparticles. <i>Magnetic Resonance in Medicine</i> , 2005, 53, 999-1005.	1.9	390
92	Magnetic resonance coronary angiography. <i>Current Cardiology Reports</i> , 2003, 5, 55-62.	1.3	4
93	Real-time interactive coronary MRA. <i>Magnetic Resonance in Medicine</i> , 2001, 46, 430-435.	1.9	33
94	Differential protective effects of varying degrees of hypoxia on the cytotoxicities of etoposide and bleomycin. <i>Cancer Chemotherapy and Pharmacology</i> , 1987, 19, 282-6.	1.1	12