

Dara L Kraitchman

List of Publications by Year in descending order

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Version: 2024-02-01

57
papers

5,198
citations

201674

27
h-index

161849

54
g-index

59
all docs

59
docs citations

59
times ranked

6162
citing authors

#	ARTICLE	IF	CITATIONS
1	Iron oxide MR contrast agents for molecular and cellular imaging. <i>NMR in Biomedicine</i> , 2004, 17, 484-499.	2.8	1,404
2	In Vivo Magnetic Resonance Imaging of Mesenchymal Stem Cells in Myocardial Infarction. <i>Circulation</i> , 2003, 107, 2290-2293.	1.6	696
3	Dynamic Imaging of Allogeneic Mesenchymal Stem Cells Trafficking to Myocardial Infarction. <i>Circulation</i> , 2005, 112, 1451-1461.	1.6	561
4	Feridex labeling of mesenchymal stem cells inhibits chondrogenesis but not adipogenesis or osteogenesis. <i>NMR in Biomedicine</i> , 2004, 17, 513-517.	2.8	413
5	Magnetic resonance-guided, real-time targeted delivery and imaging of magnetocapsules immunoprotecting pancreatic islet cells. <i>Nature Medicine</i> , 2007, 13, 986-991.	30.7	220
6	Positive contrast visualization of iron oxide-labeled stem cells using inversion-recovery with ON-resonant water suppression (IRON). <i>Magnetic Resonance in Medicine</i> , 2007, 58, 1072-1077.	3.0	215
7	Monitoring Cell Therapy Using Iron Oxide MR Contrast Agents. <i>Current Pharmaceutical Biotechnology</i> , 2004, 5, 567-584.	1.6	169
8	Serial Noninvasive In Vivo Positron Emission Tomographic Tracking of Percutaneously Intramyocardially Injected Autologous Porcine Mesenchymal Stem Cells Modified for Transgene Reporter Gene Expression. <i>Circulation: Cardiovascular Imaging</i> , 2008, 1, 94-103.	2.6	150
9	Multimodality Cardiovascular Molecular Imaging, Part II. <i>Circulation: Cardiovascular Imaging</i> , 2009, 2, 56-70.	2.6	130
10	Fluorocapsules for Improved Function, Immunoprotection, and Visualization of Cellular Therapeutics with MR, US, and CT Imaging. <i>Radiology</i> , 2011, 258, 182-191.	7.3	100
11	Imaging of stem cells using MRI. <i>Basic Research in Cardiology</i> , 2008, 103, 105-113.	5.9	97
12	Quantitative Ischemia Detection During Cardiac Magnetic Resonance Stress Testing by Use of FastHARP. <i>Circulation</i> , 2003, 107, 2025-2030.	1.6	91
13	Use of perfluorocarbon nanoparticles for non-invasive multimodal cell tracking of human pancreatic islets. <i>Contrast Media and Molecular Imaging</i> , 2011, 6, 251-259.	0.8	83
14	Synthesis of magnetic resonance-, X-ray- and ultrasound-visible alginate microcapsules for immunoisolation and noninvasive imaging of cellular therapeutics. <i>Nature Protocols</i> , 2011, 6, 1142-1151.	12.0	77
15	Stem cell therapy: MRI guidance and monitoring. <i>Journal of Magnetic Resonance Imaging</i> , 2008, 27, 299-310.	3.4	74
16	Catheter-directed Gastric Artery Chemical Embolization Suppresses Systemic Ghrelin Levels in Porcine Model. <i>Radiology</i> , 2008, 249, 127-133.	7.3	58
17	Clinical Safety of Bariatric Arterial Embolization: Preliminary Results of the BEAT Obesity Trial. <i>Radiology</i> , 2017, 283, 598-608.	7.3	50
18	Bariatric Embolization of Arteries for the Treatment of Obesity (BEAT Obesity) Trial: Results at 1 Year. <i>Radiology</i> , 2019, 291, 792-800.	7.3	39

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19	In Vivo Imaging of Stem Cells and Beta Cells Using Direct Cell Labeling and Reporter Gene Methods. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2009, 29, 1025-1030.	2.4	38
20	Fluorine-19 Labeling of Stromal Vascular Fraction Cells for Clinical Imaging Applications. <i>Stem Cells Translational Medicine</i> , 2015, 4, 1472-1481.	3.3	37
21	Bariatric Embolization of the Gastric Arteries for the Treatment of Obesity. <i>Journal of Vascular and Interventional Radiology</i> , 2015, 26, 613-624.	0.5	36
22	Superparamagnetic Iron Oxide Labeling of Stem Cells for MRI Tracking and Delivery in Cardiovascular Disease. <i>Methods in Molecular Biology</i> , 2010, 660, 171-183.	0.9	35
23	Microencapsulated cell tracking. <i>NMR in Biomedicine</i> , 2013, 26, 850-859.	2.8	34
24	Current Perspectives on Imaging Cardiac Stem Cell Therapy. <i>Journal of Nuclear Medicine</i> , 2010, 51, 128S-136S.	5.0	33
25	Histopathologic and Immunohistochemical Sequelae of Bariatric Embolization in a Porcine Model. <i>Journal of Vascular and Interventional Radiology</i> , 2014, 25, 455-461.	0.5	32
26	Stem cell labeling for noninvasive delivery and tracking in cardiovascular regenerative therapy. <i>Expert Review of Cardiovascular Therapy</i> , 2010, 8, 1149-1160.	1.5	31
27	X-Ray-Visible Microcapsules Containing Mesenchymal Stem Cells Improve Hind Limb Perfusion in a Rabbit Model of Peripheral Arterial Disease. <i>Stem Cells</i> , 2012, 30, 1286-1296.	3.2	31
28	Towards Real-Time Intravascular Endoscopic Magnetic Resonance Imaging. <i>JACC: Cardiovascular Imaging</i> , 2010, 3, 1158-1165.	5.3	26
29	Tracking stem cells for cardiovascular applications in vivo: focus on imaging techniques. <i>Imaging in Medicine</i> , 2011, 3, 473-486.	0.0	26
30	Tracking of stem cells in vivo for cardiovascular applications. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2014, 16, 7.	3.3	25
31	MR Imaging of Transplanted Stem Cells in Myocardial Infarction. <i>Methods in Molecular Biology</i> , 2011, 680, 141-152.	0.9	24
32	Current and cutting-edge interventions for the treatment of obese patients. <i>European Journal of Radiology</i> , 2017, 93, 134-142.	2.6	23
33	Bariatric Arterial Embolization: Effect of Microsphere Size on the Suppression of Fundal Ghrelin Expression and Weight Change in a Swine Model. <i>Radiology</i> , 2018, 289, 83-89.	7.3	18
34	Fused X-ray and MR Imaging Guidance of Intrapericardial Delivery of Microencapsulated Human Mesenchymal Stem Cells in Immunocompetent Swine. <i>Radiology</i> , 2014, 272, 427-437.	7.3	15
35	Matrix Metalloproteinase-2 Impairs Homing of Intracoronary Delivered Mesenchymal Stem Cells in a Porcine Reperfused Myocardial Infarction: Comparison With Intramyocardial Cell Delivery. <i>Frontiers in Bioengineering and Biotechnology</i> , 2018, 6, 35.	4.1	14
36	Bariatric Arterial Embolization with Calibrated Radiopaque Microspheres and an Antireflux Catheter Suppresses Weight Gain and Appetite-Stimulating Hormones in Swine. <i>Journal of Vascular and Interventional Radiology</i> , 2020, 31, 1483-1491.	0.5	12

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37	Using C-Arm X-Ray Imaging to Guide Local Reporter Probe Delivery for Tracking Stem Cell Engraftment. <i>Theranostics</i> , 2013, 3, 916-926.	10.0	10
38	Microfluidic-prepared, monodisperse, X-ray-visible, embolic microspheres for non-oncological embolization applications. <i>Lab on A Chip</i> , 2020, 20, 3591-3600.	6.0	10
39	Validation of a low-cost, carbon dioxide-based cryoablation system for percutaneous tumor ablation. <i>PLoS ONE</i> , 2019, 14, e0207107.	2.5	8
40	Rationale and Preclinical Data Supporting Bariatric Arterial Embolization. <i>Techniques in Vascular and Interventional Radiology</i> , 2020, 23, 100656.	1.0	8
41	Multifunctional perfluorooctylbromide alginate microcapsules for monitoring of mesenchymal stem cell delivery using CT and MRI. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2009, 11, .	3.3	7
42	Quantitative CT and 19F-MRI tracking of perfluorinated encapsulated mesenchymal stem cells to assess graft immunorejection. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2019, 32, 147-156.	2.0	7
43	Molecular Imaging of CXCL12 Promoter-driven HSV1-TK Reporter Gene Expression. <i>Biotechnology and Bioprocess Engineering</i> , 2018, 23, 208-217.	2.6	6
44	Intrapericardial delivery of visible microcapsules containing stem cells using xfm (x-ray fused with) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	3.3	5
45	Emerging Approaches for Cardiovascular Stem Cell Imaging. <i>Current Cardiovascular Imaging Reports</i> , 2011, 4, 32-40.	0.6	4
46	Anti-GD2 antibody for radiopharmaceutical imaging of osteosarcoma. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2022, 49, 4382-4393.	6.4	4
47	Noninvasive Monitoring of Allogeneic Stem Cell Delivery with Dual-Modality Imaging-Visible Microcapsules in a Rabbit Model of Peripheral Arterial Disease. <i>Stem Cells International</i> , 2019, 2019, 1-10.	2.5	2
48	Real-Time High-Resolution MRI Endoscopy at up to 10 Frames per Second. <i>BME Frontiers</i> , 2021, 2021, .	4.5	2
49	Interventional Radiology Obesity Therapeutics: Proceedings from the Society of Interventional Radiology Foundation Research Consensus Panel. <i>Journal of Vascular and Interventional Radiology</i> , 2021, 32, 1388.e1-1388.e14.	0.5	2
50	Identifying the Ideal Target Vessel Size for Bariatric Embolization: Histologic Analysis of Swine and Human Gastric Fundi. <i>Journal of Vascular and Interventional Radiology</i> , 2022, 33, 28-32.	0.5	2
51	MRI and CT tracking of mesenchymal stem cells with novel perfluorinated alginate microcapsules. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2010, 12, .	3.3	1
52	NOVEL 19F MRI AND CT TRACKABLE MICROENCAPSULATED MESENCHYMAL STEM CELLS FOR TREATING PERIPHERAL ARTERIAL DISEASE. <i>Journal of the American College of Cardiology</i> , 2010, 55, A216.E2049.	2.8	1
53	Interventions in Complex Congenital Heart Disease. <i>JACC: Cardiovascular Interventions</i> , 2016, 9, 971-972.	2.9	1
54	Angiographic Revascularization after Bariatric Embolization in a Swine Model. <i>Journal of Vascular and Interventional Radiology</i> , 2022, 33, 648-652.e2.	0.5	1

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55	In Reply: Emerging Approaches for Cardiovascular Stem Cell Imaging. Current Cardiovascular Imaging Reports, 2011, 4, 173-174.	0.6	0
56	Abstract 1395: Humanized GD2 antibody for targeted radiopharmaceutical therapy of human and canine osteosarcoma. , 2021, , .		0
57	Unexpected Heating of MR-compatible Cyroablation Probes Using a Conventional 1.5T MR Scanner. Proceedings of the International Society for Magnetic Resonance in Medicine ... Scientific Meeting and Exhibition., 2012, 20, 2927.	0.5	0