

Kim-Lien Nguyen

List of Publications by Year in descending order

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Version: 2024-02-01

64
papers

1,480
citations

331538

21
h-index

345118

36
g-index

64
all docs

64
docs citations

64
times ranked

2176
citing authors

#	ARTICLE	IF	CITATIONS
1	Safety and technique of ferumoxytol administration for MRI. <i>Magnetic Resonance in Medicine</i> , 2016, 75, 2107-2111.	1.9	171
2	Codon optimization of the HIV-1 vpu and vif genes stabilizes their mRNA and allows for highly efficient Rev-independent expression. <i>Virology</i> , 2004, 319, 163-175.	1.1	149
3	Multicenter Safety and Practice for Off-Label Diagnostic Use of Ferumoxytol in MRI. <i>Radiology</i> , 2019, 293, 554-564.	3.6	99
4	Cardiovascular MRI with ferumoxytol. <i>Clinical Radiology</i> , 2016, 71, 796-806.	0.5	73
5	MR image reconstruction using deep learning: evaluation of network structure and loss functions. <i>Quantitative Imaging in Medicine and Surgery</i> , 2019, 9, 1516-1527.	1.1	68
6	Self-gated 4D multiphase, steady-state imaging with contrast enhancement (MUSIC) using rotating cartesian K-space (ROCK): Validation in children with congenital heart disease. <i>Magnetic Resonance in Medicine</i> , 2017, 78, 472-483.	1.9	54
7	Aerobic exercise in anthracycline-induced cardiotoxicity: a systematic review of current evidence and future directions. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2017, 312, H213-H222.	1.5	53
8	Inductively powered wireless pacing via a miniature pacemaker and remote stimulation control system. <i>Scientific Reports</i> , 2017, 7, 6180.	1.6	44
9	Highlights on Advancing Frontiers in Tissue Engineering. <i>Tissue Engineering - Part B: Reviews</i> , 2022, 28, 633-664.	2.5	44
10	MRI with ferumoxytol: A single center experience of safety across the age spectrum. <i>Journal of Magnetic Resonance Imaging</i> , 2017, 45, 804-812.	1.9	40
11	Myocardial T1 mapping at 3.0 tesla using an inversion recovery spoiled gradient echo readout and bloch equation simulation with slice profile correction (BLESSPC) T1 estimation algorithm. <i>Journal of Magnetic Resonance Imaging</i> , 2016, 43, 414-425.	1.9	38
12	Ferumoxytol vs. Gadolinium agents for contrast-enhanced MRI: Thoughts on evolving indications, risks, and benefits. <i>Journal of Magnetic Resonance Imaging</i> , 2017, 46, 919-923.	1.9	35
13	Safety and tolerability of regadenoson CMR. <i>European Heart Journal Cardiovascular Imaging</i> , 2014, 15, 753-760.	0.5	31
14	4D MUSIC CMR: value-based imaging of neonates and infants with congenital heart disease. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016, 19, 40.	1.6	30
15	Accelerated ferumoxytol-enhanced 4D multiphase, steady-state imaging with contrast enhancement (MUSIC) cardiovascular MRI: validation in pediatric congenital heart disease. <i>NMR in Biomedicine</i> , 2017, 30, e3663.	1.6	30
16	Concepts in cardio-oncology: definitions, mechanisms, diagnosis and treatment strategies of cancer therapy-induced cardiotoxicity. <i>Future Oncology</i> , 2016, 12, 855-870.	1.1	27
17	Natural history of myocardial deformation in children, adolescents, and young adults exposed to anthracyclines: Systematic review and meta-analysis. <i>Echocardiography</i> , 2018, 35, 922-934.	0.3	27
18	Ferumoxytol-enhanced MR Angiography for Vascular Access Mapping before Transcatheter Aortic Valve Replacement in Patients with Renal Impairment: A Step Toward Patient-specific Care. <i>Radiology</i> , 2018, 286, 326-337.	3.6	27

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19	Anthracycline induced cardiotoxicity: biomarkers and Omics-technology in the era of patient specific care. <i>Clinical and Translational Medicine</i> , 2017, 6, 17.	1.7	26
20	Instantaneous signal loss simulation (InSiL): An improved algorithm for myocardial T ₁ mapping using the MOLLI sequence. <i>Journal of Magnetic Resonance Imaging</i> , 2015, 41, 721-729.	1.9	25
21	Fast and accurate calculation of myocardial T ₁ and T ₂ values using deep learning Bloch equation simulations (DeepBLESS). <i>Magnetic Resonance in Medicine</i> , 2020, 84, 2831-2845.	1.9	25
22	FIB-4 stage of liver fibrosis is associated with incident heart failure with preserved, but not reduced, ejection fraction among people with and without HIV or hepatitis C. <i>Progress in Cardiovascular Diseases</i> , 2020, 63, 184-191.	1.6	25
23	Myocardial T ₁ mapping for patients with implanted cardiac devices using wideband inversion recovery spoiled gradient echo readout. <i>Magnetic Resonance in Medicine</i> , 2017, 77, 1495-1504.	1.9	23
24	Rigor and Reproducibility in Analysis of Vascular Calcification. <i>Circulation Research</i> , 2017, 120, 1240-1242.	2.0	20
25	Four-dimensional Multiphase Steady-State MRI with Ferumoxytol Enhancement: Early Multicenter Feasibility in Pediatric Congenital Heart Disease. <i>Radiology</i> , 2021, 300, 162-173.	3.6	18
26	Cardiac MRI: a Translational Imaging Tool for Characterizing Anthracycline-Induced Myocardial Remodeling. <i>Current Oncology Reports</i> , 2016, 18, 48.	1.8	17
27	Retrospective respiratory motion correction in cardiac cine MRI reconstruction using adversarial autoencoder and unsupervised learning. <i>NMR in Biomedicine</i> , 2021, 34, e4433.	1.6	17
28	Accuracy, precision, and reproducibility of myocardial T ₁ mapping: A comparison of four T ₁ estimation algorithms for modified look-locker inversion recovery (MOLLI). <i>Magnetic Resonance in Medicine</i> , 2017, 78, 1746-1756.	1.9	16
29	Cardiology electronic consultations: Efficient and safe, but consultant satisfaction is equivocal. <i>Journal of Telemedicine and Telecare</i> , 2020, 26, 341-348.	1.4	16
30	Segmented golden ratio radial reordering with variable temporal resolution for dynamic cardiac MRI. <i>Magnetic Resonance in Medicine</i> , 2016, 76, 94-103.	1.9	15
31	High resolution, 3-dimensional Ferumoxytol-enhanced cardiovascular magnetic resonance venography in central venous occlusion. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2019, 21, 17.	1.6	15
32	High-field MR imaging in pediatric congenital heart disease: Initial results. <i>Pediatric Radiology</i> , 2015, 45, 42-54.	1.1	13
33	Ferumoxytol enhanced black-blood cardiovascular magnetic resonance imaging. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016, 19, 106.	1.6	13
34	Accurate, precise, simultaneous myocardial T ₁ and T ₂ mapping using a radial sequence with inversion recovery and T ₂ preparation. <i>NMR in Biomedicine</i> , 2019, 32, e4165.	1.6	13
35	Left atrial function in children and young adult cancer survivors treated with anthracyclines. <i>Echocardiography</i> , 2018, 35, 1649-1656.	0.3	12
36	3-Dimensional Bioprinting of Cardiovascular Tissues. <i>JACC Basic To Translational Science</i> , 2021, 6, 467-482.	1.9	11

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37	Elevated transpulmonary gradient and cardiac magnetic resonance-derived right ventricular remodeling predict poor outcomes in sickle cell disease. <i>Haematologica</i> , 2016, 101, e40-e43.	1.7	10
38	Temporally aware volumetric generative adversarial network-based MR image reconstruction with simultaneous respiratory motion compensation: Initial feasibility in 3D dynamic cine cardiac MRI. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 2666-2683.	1.9	9
39	Ferumoxytol-Enhanced CMR for Vasodilator Stress Testing: A Feasibility Study. <i>JACC: Cardiovascular Imaging</i> , 2019, 12, 1582-1584.	2.3	8
40	Cardiac Magnetic Resonance Quantification of Structure-Function Relationships in Heart Failure. <i>Heart Failure Clinics</i> , 2021, 17, 9-24.	1.0	8
41	Ferumoxytol-enhanced magnetic resonance T1 reactivity for depiction of myocardial hypoperfusion. <i>NMR in Biomedicine</i> , 2021, 34, e4518.	1.6	8
42	Free-breathing, non-ECG, simultaneous myocardial T_1 , T_2 , T_2^* , and fat fraction mapping with motion-resolved cardiovascular MR multitasking. <i>Magnetic Resonance in Medicine</i> , 2022, 88, 1748-1763.	1.9	8
43	Contrast-Enhanced MR Angiography of Cavopulmonary Connections in Adult Patients With Congenital Heart Disease. <i>American Journal of Roentgenology</i> , 2012, 199, W565-W574.	1.0	7
44	The Crossroads of Geriatric Cardiology and Cardio-Oncology. <i>Current Geriatrics Reports</i> , 2015, 4, 327-337.	1.1	6
45	Elevated Fibroblast Growth Factor 23 Levels Are Associated With Greater Diastolic Dysfunction in ESRD. <i>Kidney International Reports</i> , 2019, 4, 1748-1751.	0.4	6
46	Intermodality feature fusion combining unenhanced computed tomography and ferumoxytol-enhanced magnetic resonance angiography for patient-specific vascular mapping in renal impairment. <i>Journal of Vascular Surgery</i> , 2020, 71, 1674-1684.	0.6	6
47	Pathophysiology, classification, and MRI parallels in microvascular disease of the heart and brain. <i>Microcirculation</i> , 2020, 27, e12648.	1.0	6
48	USPIOs as Targeted Contrast Agents in Cardiovascular Magnetic Resonance Imaging. <i>Current Cardiovascular Imaging Reports</i> , 2021, 14, 1.	0.4	6
49	Estimation of fractional myocardial blood volume and water exchange using ferumoxytol-enhanced magnetic resonance imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2021, 53, 1699-1709.	1.9	6
50	Novel Percutaneous Approach for Deployment of 3D Printed Coronary Stenosis Implants in Swine Models of Ischemic Heart Disease. <i>Journal of Visualized Experiments</i> , 2020, , .	0.2	4
51	Automatic segmentation of peripheral arteries and veins in ferumoxytol-enhanced MR angiography. <i>Magnetic Resonance in Medicine</i> , 2022, 87, 984-998.	1.9	4
52	Improved 4D cardiac functional assessment for pediatric patients using motion-weighted image reconstruction. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2018, 31, 747-756.	1.1	3
53	Consistency of Continuous Ambulatory Interstitial Glucose Monitoring Sensors. <i>Biosensors</i> , 2018, 8, 49.	2.3	3
54	3D-Printed Coronary Implants Are Effective for Percutaneous Creation of Swine Models with Focal Coronary Stenosis. <i>Journal of Cardiovascular Translational Research</i> , 2020, 13, 1033-1043.	1.1	3

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55	A Multi-Dimensional Analysis of a Novel Approach for Wireless Stimulation. IEEE Transactions on Biomedical Engineering, 2020, 67, 3307-3316.	2.5	3
56	Minimizing table time in patients with claustrophobia using focused ferumoxytol-enhanced MR angiography (FEMRA): a feasibility study. British Journal of Radiology, 2021, 94, 20210430.	1.0	3
57	Cardiovascular 3-D Printing: Value-Added Assessment Using Time-Driven Activity-Based Costing. Journal of the American College of Radiology, 2020, 17, 1469-1474.	0.9	2
58	Slice encoding for the reduction of outflow signal artifacts in cine balanced SSFP imaging. Magnetic Resonance in Medicine, 2021, 86, 2034-2048.	1.9	1
59	Effects of Resistance Training on Skeletal Muscle Mitochondrial Oxidative Capacity in Sedentary, Obese Young Adults. Medicine and Science in Sports and Exercise, 2015, 47, 412.	0.2	0
60	Myocardial T1 mapping at 3.0T using inversion recovery FLASH readout. Journal of Cardiovascular Magnetic Resonance, 2015, 17, W2.	1.6	0
61	Ferumoxytol vs. Gadolinium agents for contrast-enhanced MRI: Thoughts on evolving indications, risks, and benefits. Journal of Magnetic Resonance Imaging, 2017, 46, spcone.	1.9	0
62	The Authors Reply. Kidney International Reports, 2020, 5, 1119-1120.	0.4	0
63	Improving preclinical medical student teaching skills through patient education. Postgraduate Medical Journal, 2022, 98, e168-e169.	0.9	0
64	Increased Transpulmonary Gradient Predicts Functional Class, Mortality, and RV Dysfunction by MRI in Patients with Sickle Cell Associated Pulmonary Hypertension. Blood, 2012, 120, 89-89.	0.6	0