

Vinay M Pai

List of Publications by Year in descending order

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32
papers

1,243
citations

567281

15
h-index

580821

25
g-index

33
all docs

33
docs citations

33
times ranked

1683
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent Advances in Wearable Sensors for Health Monitoring. IEEE Sensors Journal, 2015, 15, 3119-3126.	4.7	250
2	Development of magnetic device for cell separation. Journal of Magnetism and Magnetic Materials, 1999, 194, 254-261.	2.3	196
3	Interpretation of dark-field contrast and particle-size selectivity in grating interferometers. Applied Optics, 2011, 50, 4310.	2.1	153
4	Single-shot x-ray differential phase-contrast and diffraction imaging using two-dimensional transmission gratings. Optics Letters, 2010, 35, 1932.	3.3	151
5	Apparent viscosity of human blood in a high static magnetic field. Journal of Magnetism and Magnetic Materials, 2001, 225, 180-186.	2.3	117
6	Wearable technologies for active living and rehabilitation: Current research challenges and future opportunities. Journal of Rehabilitation and Assistive Technologies Engineering, 2019, 6, 205566831983960.	0.9	49
7	In Vivo Cardiac Diffusion-Weighted Magnetic Resonance Imaging. Investigative Radiology, 2012, 47, 662-670.	6.2	48
8	Low b-Value Diffusion-Weighted Cardiac Magnetic Resonance Imaging. Investigative Radiology, 2011, 46, 751-758.	6.2	44
9	Coronary artery wall imaging in mice using osmium tetroxide and micro-computed tomography (micro-CT). Journal of Anatomy, 2012, 220, 514-524.	1.5	36
10	High-resolution imaging reveals a limit in spatial resolution of blood flow measurements by microspheres. American Journal of Physiology - Heart and Circulatory Physiology, 2004, 287, H1132-H1140.	3.2	30
11	Advances in MRI tagging techniques for determining regional myocardial strain. Current Cardiology Reports, 2006, 8, 53-58.	2.9	29
12	PCATMIP: Enhancing signal intensity in diffusion-weighted magnetic resonance imaging. Magnetic Resonance in Medicine, 2011, 65, 1611-1619.	3.0	27
13	Assessment of Cardiac Motion Effects on the Fiber Architecture of the Human Heart In Vivo. IEEE Transactions on Medical Imaging, 2013, 32, 1928-1938.	8.9	22
14	The National Institutes of Health Affordable Cancer Technologies Program: Improving Access to Resource-Appropriate Technologies for Cancer Detection, Diagnosis, Monitoring, and Treatment in Low- and Middle-Income Countries. IEEE Journal of Translational Engineering in Health and Medicine, 2016, 4, 1-8.	3.7	18
15	Does binding of Gd-DTPA to myocardial tissue contribute to late enhancement in a model of acute myocardial infarction?. Magnetic Resonance in Medicine, 2003, 49, 168-171.	3.0	16
16	Phase contrast using multiecho steady-state free precession. Magnetic Resonance in Medicine, 2007, 58, 419-424.	3.0	14
17	3 Tesla turbo-FLASH magnetic resonance imaging of deglutition. Laryngoscope, 2012, 122, 860-864.	2.0	10
18	Theory, Technique, and Practice of Magnetic Resonance Angiography. Vascular, 2007, 15, 376-383.	0.9	6

#	ARTICLE	IF	CITATIONS
19	Developing international open science collaborations: Funder reflections on the Open Science Prize. PLoS Biology, 2017, 15, e2002617.	5.6	4
20	Extrinsic multiecho phase-contrast SSFP: evaluation on cardiac output measurements. Magnetic Resonance Imaging, 2009, 27, 385-392.	1.8	2
21	Intravoxel Incoherent Motion applied to Cardiac diffusion weighted MRI using breath-hold acquisitions in healthy volunteers. Journal of Cardiovascular Magnetic Resonance, 2012, 14, .	3.3	2
22	Rapidâ€Motionâ€Perception Based Cardiac Navigators: Using the High Flow Blood Volume as a Marker for the Position of the Heart. Journal of Cardiovascular Magnetic Resonance, 2003, 5, 531-543.	3.3	2
23	In vivo cardiac diffusion tensor imaging in free-breathing conditions. Journal of Cardiovascular Magnetic Resonance, 2013, 15, P231.	3.3	1
24	Gabor Filter-Based Automated Strain Computation from Tagged MR Images. Lecture Notes in Computer Science, 2004, , 1064-1066.	1.3	1
25	Towards high temporal and spatial resolution cardiac imaging with parallel MRI. , 2006, 2006, 367-8.		0
26	Real-time myocardial segmentation using coupled active geometric functions. , 2008, 2008, 3385-8.		0
27	3D diffraction tomography for visualization of contrast media. , 2011, , .		0
28	Quantitative investigation of cardiac motion effects on in vivo diffusion tensor parameters: a simulation study. Journal of Cardiovascular Magnetic Resonance, 2013, 15, P244.	3.3	0
29	Coronary wall imaging in mice using osmium tetroxide and micro-computed tomography. , 2011, , .		0
30	Developing a Comprehensive Taxonomy for Human Cell Types. , 2015, , 123-151.		0
31	Abstract 1428: The program for cancer detection, diagnosis, and treatment technologies for global health: Translating affordable, minimally invasive point-of-care technologies to less-resourced settings. , 2016, , .		0
32	Towards high temporal and spatial resolution cardiac imaging with parallel MRI. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2006, , .	0.5	0