

# Meiyappan Solaiyappan

## List of Publications by Year in descending order

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37  
papers

3,148  
citations

361296  
20  
h-index

345118  
36  
g-index

37  
all docs

37  
docs citations

37  
times ranked

4227  
citing authors

#	ARTICLE	IF	CITATIONS
1	Imaging cortical association tracts in the human brain using diffusion-tensor-based axonal tracking. <i>Magnetic Resonance in Medicine</i> , 2002, 47, 215-223.	1.9	534
2	Diffusion Tensor Imaging and Axonal Tracking in the Human Brainstem. <i>NeuroImage</i> , 2001, 14, 723-735.	2.1	484
3	In vivo three-dimensional reconstruction of rat brain axonal projections by diffusion tensor imaging. <i>Magnetic Resonance in Medicine</i> , 1999, 42, 1123-1127.	1.9	370
4	Extracellular Acidification Alters Lysosomal Trafficking in Human Breast Cancer Cells. <i>Neoplasia</i> , 2003, 5, 533-545.	2.3	239
5	Diffusion tensor imaging of the developing mouse brain. <i>Magnetic Resonance in Medicine</i> , 2001, 46, 18-23.	1.9	237
6	Current Methods to Define Metabolic Tumor Volume in Positron Emission Tomography: Which One is Better?. <i>Nuclear Medicine and Molecular Imaging</i> , 2018, 52, 5-15.	0.6	165
7	A Framework for Callosal Fiber Distribution Analysis. <i>NeuroImage</i> , 2002, 17, 1131-1143.	2.1	126
8	Hypoxia Regulates CD44 and Its Variant Isoforms through HIF-1 $\alpha$ in Triple Negative Breast Cancer. <i>PLoS ONE</i> , 2012, 7, e44078.	1.1	125
9	In vivo visualization of human neural pathways by magnetic resonance imaging. <i>Annals of Neurology</i> , 2000, 47, 412-414.	2.8	109
10	Collagen I fiber density increases in lymph node positive breast cancers: pilot study. <i>Journal of Biomedical Optics</i> , 2012, 17, 116017.	1.4	95
11	Toward MRI-guided coronary catheterization: Visualization of guiding catheters, guidewires, and anatomy in real time. <i>Journal of Magnetic Resonance Imaging</i> , 2000, 12, 590-594.	1.9	76
12	Catheter-tracking FOV MR fluoroscopy. <i>Magnetic Resonance in Medicine</i> , 1998, 40, 865-872.	1.9	73
13	Hypoxic Tumor Microenvironments Reduce Collagen I Fiber Density. <i>Neoplasia</i> , 2010, 12, 608-617.	2.3	73
14	Attenuated Myocardial Vasodilator Response in Patients With Hypertensive Hypertrophy Revealed by Oxygenation-Dependent Magnetic Resonance Imaging. <i>Circulation</i> , 2001, 104, 1214-1217.	1.6	61
15	Structure and Function of a Prostate Cancer Dissemination-Permissive Extracellular Matrix. <i>Clinical Cancer Research</i> , 2017, 23, 2245-2254.	3.2	53
16	Fast method for correcting image misregistration due to organ motion in time-series MRI data. <i>Magnetic Resonance in Medicine</i> , 2003, 49, 506-514.	1.9	44
17	Breast cancer cell cyclooxygenase-2 expression alters extracellular matrix structure and function and numbers of cancer associated fibroblasts. <i>Oncotarget</i> , 2017, 8, 17981-17994.	0.8	42
18	The Physiological Environment in Cancer Vascularization, Invasion and Metastasis. <i>Novartis Foundation Symposium</i> , 2008, 240, 23-45.	1.2	36

#	ARTICLE	IF	CITATIONS
19	Choline kinase- $\beta$ protein and phosphatidylcholine but not phosphocholine are required for breast cancer cell survival. <i>NMR in Biomedicine</i> , 2015, 28, 1697-1706.	1.6	29
20	Collagen fibers mediate MRI-detected water diffusion and anisotropy in breast cancers. <i>Neoplasia</i> , 2016, 18, 585-593.	2.3	25
21	Multisite concordance of apparent diffusion coefficient measurements across the NCI Quantitative Imaging Network. <i>Journal of Medical Imaging</i> , 2017, 5, 1.	0.8	22
22	Real-time MRI guidance for intra-arterial drug delivery in a patient with a brain tumor: technical note. <i>BMJ Case Reports</i> , 2019, 12, bcr-2018-014469.	0.2	19
23	Hypoxic Tumor Environments Exhibit Disrupted Collagen I Fibers and Low Macromolecular Transport. <i>PLoS ONE</i> , 2013, 8, e81869.	1.1	16
24	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.	3.6	15
25	Multiparametric magnetic resonance imaging to characterize cabotegravir long-acting formulation depot kinetics in healthy adult volunteers. <i>British Journal of Clinical Pharmacology</i> , 2022, 88, 1655-1666.	1.1	14
26	Multi-site Concordance of Diffusion-weighted Imaging Quantification for Assessing Prostate Cancer Aggressiveness. <i>Journal of Magnetic Resonance Imaging</i> , 2022, 55, 1745-1758.	1.9	11
27	Using C-Arm X-Ray Imaging to Guide Local Reporter Probe Delivery for Tracking Stem Cell Engraftment. <i>Theranostics</i> , 2013, 3, 916-926.	4.6	10
28	Tracking planar orientations of active MRI needles. <i>Journal of Magnetic Resonance Imaging</i> , 2007, 26, 386-391.	1.9	9
29	The Anterior Ethmoidal $\alpha$ : A Newly Appreciated Anatomic Landmark for Endoscopic Sinus Surgery. <i>Clinical Anatomy</i> , 2019, 32, 534-540.	1.5	8
30	Neural-network classification of cardiac disease from $^{31}\text{P}$ cardiovascular magnetic resonance spectroscopy measures of creatine kinase energy metabolism. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2019, 21, 49.	1.6	7
31	Novel Observations of Female Genital Anatomy in Classic Bladder Exstrophy Using 3-Dimensional Magnetic Resonance Imaging Reconstruction. <i>Journal of Urology</i> , 2018, 200, 882-889.	0.2	6
32	Toward uniform implementation of parametric map Digital Imaging and Communication in Medicine standard in multisite quantitative diffusion imaging studies. <i>Journal of Medical Imaging</i> , 2017, 5, 1.	0.8	5
33	Republished: Real-time MRI guidance for intra-arterial drug delivery in a patient with a brain tumor: technical note. <i>Journal of NeuroInterventional Surgery</i> , 2019, 11, e3-e3.	2.0	4
34	Comparison of novel multi-level Otsu (MO-PET) and conventional PET segmentation methods for measuring FDG metabolic tumor volume in patients with soft tissue sarcoma. <i>EJNMMI Physics</i> , 2017, 4, 22.	1.3	3
35	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.	1.2	2
36	Multi-level otsu method to define metabolic tumor volume in positron emission tomography. <i>American Journal of Nuclear Medicine and Molecular Imaging</i> , 2018, 8, 373-386.	1.0	1

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37	The Ponticulus Ethmoidalis: A Newly Appreciated Anatomic Landmark in Endoscopic Sinus Surgery. Annals of Otology, Rhinology and Laryngology, 2020, 129, 441-447.	0.6	0