Tim Q Duong

List of Publications by Year in Descending Order

268 papers	10,219 citations	55 h-index	90 g-index
281 ext. papers	11,644 ext. citations	5.1 avg, IF	6.35 L-index

#	Paper	IF	Citations
268	Prophylactic versus therapeutic dose anticoagulation effects on survival among critically ill patients with COVID-19.. *PLoS ONE*, **2022**, 17, e0262811	3.7	3
267	Clinical predictors of acute cardiac injury and normalization of troponin after hospital discharge from COVID-19.. *EBioMedicine*, **2022**, 103821	8.8	6
266	Effects of chronic mild hyperoxia on retinal and choroidal blood flow and retinal function in the DBA/2J mouse model of glaucoma.. *PLoS ONE*, **2022**, 17, e0266192	3.7	
265	Diabetic mice have retinal and choroidal blood flow deficits and electroretinogram deficits with impaired responses to hypercapnia. *PLoS ONE*, **2021**, 16, e0259505	3.7	1
264	Clinical outcomes of COVID-19 in patients with sickle cell disease and sickle cell trait: A critical appraisal of the literature. *Blood Reviews*, **2021**, 100911	11.1	1
263	Resting-State Functional Magnetic Resonance Imaging of Interhemispheric Functional Connectivity in Experimental Traumatic Brain Injury.. *Neurotrauma Reports*, **2021**, 2, 526-540	1.6	0
262	Electrocorticography reveals thalamic control of cortical dynamics following traumatic brain injury. *Communications Biology*, **2021**, 4, 1210	6.7	4
261	Characterizing non-critically ill COVID-19 survivors with and without in-hospital rehabilitation. *Scientific Reports*, **2021**, 11, 21039	4.9	2
260	White matter correlates of slowed information processing speed in unimpaired multiple sclerosis patients with young age onset. *Brain Imaging and Behavior*, **2021**, 15, 1460-1468	4.1	2
259	Functional status of mechanically ventilated COVID-19 survivors at ICU and hospital discharge. *Journal of Intensive Care*, **2021**, 9, 31	7	14
258	Time-to-Death Longitudinal Characterization of Clinical Variables and Longitudinal Prediction of Mortality in COVID-19 Patients: A Two-Center Study. *Frontiers in Medicine*, **2021**, 8, 661940	4.9	5
257	Neural network analysis of clinical variables predicts escalated care in COVID-19 patients: a retrospective study. *PeerJ*, **2021**, 9, e11205	3.1	5
256	Deep Learning and Risk Score Classification of Mild Cognitive Impairment and Alzheimer's Disease. *Journal of Alzheimer's Disease*, **2021**, 80, 1079-1090	4.3	3
255	Deep learning prediction of mild cognitive impairment conversion to Alzheimer's disease at 3 years after diagnosis using longitudinal and whole-brain 3D MRI. *PeerJ Computer Science*, **2021**, 7, e560	2.7	4
254	Three-Dimensional Printed Anatomic Models Derived From Magnetic Resonance Imaging Data: Current State and Image Acquisition Recommendations for Appropriate Clinical Scenarios. *Journal of Magnetic Resonance Imaging*, **2021**,	5.6	6
253	Longitudinal Clinical Profiles of Hospital vs. Community-Acquired Acute Kidney Injury in COVID-19. *Frontiers in Medicine*, **2021**, 8, 647023	4.9	6
252	Longitudinal prediction of hospital-acquired acute kidney injury in COVID-19: a two-center study. *Infection*, **2021**, 1	5.8	8

251	Initial chest radiograph scores inform COVID-19 status, intensive care unit admission and need for mechanical ventilation. *Clinical Radiology*, **2021**, 76, 473.e1-473.e7	2.9	8
250	Machine learning classification of texture features of MRI breast tumor and peri-tumor of combined pre- and early treatment predicts pathologic complete response. *BioMedical Engineering OnLine*, **2021**, 20, 63	4.1	2
249	Longitudinal progression of clinical variables associated with graded liver injury in COVID-19 patients. *Hepatology International*, **2021**, 15, 1018-1026	8.8	6
248	Gray Matter Morphometry Correlates with Attentional Efficiency in Young-Adult Multiple Sclerosis. *Brain Sciences*, **2021**, 11,	3.4	2
247	Machining learning predicts the need for escalated care and mortality in COVID-19 patients from clinical variables. *International Journal of Medical Sciences*, **2021**, 18, 1739-1745	3.7	15
246	MRI study of cerebral blood flow, vascular reactivity, and vascular coupling in systemic hypertension. *Brain Research*, **2021**, 1753, 147224	3.7	2
245	Clinical Characterization and Prediction of Clinical Severity of SARS-CoV-2 Infection Among US Adults Using Data From the US National COVID Cohort Collaborative. *JAMA Network Open*, **2021**, 4, e2116901	10.4	37
244	Clinical characteristics of the first and second COVID-19 waves in the Bronx, New York: A retrospective cohort study. *The Lancet Regional Health Americas*, **2021**, 3, 100041		6
243	Survival of COVID-19 Patients With Respiratory Failure is Related to Temporal Changes in Gas Exchange and Mechanical Ventilation. *Journal of Intensive Care Medicine*, **2021**, 36, 1209-1216	3.3	2
242	Individuals with sickle cell disease and sickle cell trait demonstrate no increase in mortality or critical illness from COVID-19 - a fifteen hospital observational study in the Bronx, New York. *Haematologica*, **2021**, 106, 3014-3016	6.6	4
241	Outcomes of Hospitalized Patients With COVID-19 With Acute Kidney Injury and Acute Cardiac Injury.. *Frontiers in Cardiovascular Medicine*, **2021**, 8, 798897	5.4	1
240	Anatomical brain MRI study of pediatric cancer survivors treated with chemotherapy: Correlation with behavioral measures. *Magnetic Resonance Imaging*, **2020**, 72, 8-13	3.3	2
239	Repolarized macrophages, induced by intermediate stereotactic dose radiotherapy and immune checkpoint blockade, contribute to long-term survival in glioma-bearing mice. *Journal of Neuro-Oncology*, **2020**, 147, 547-555	4.8	10
238	MRI features associated with rapid disease activity in clinically isolated syndrome patients at high risk for multiple sclerosis. *Multiple Sclerosis and Related Disorders*, **2020**, 41, 101985	4	
237	Functional, anatomical and diffusion tensor MRI study of radiology expertise. *PLoS ONE*, **2020**, 15, e0231900	3.7	1
236	Neural correlates of working memory function in pediatric cancer survivors treated with chemotherapy: an fMRI study. *NMR in Biomedicine*, **2020**, 33, e4296	4.4	3
235	Cortical thickness and functional connectivity changes in Chinese chess experts. *PLoS ONE*, **2020**, 15, e0239822	3.7	0
234	Deep-learning convolutional neural networks with transfer learning accurately classify COVID-19 lung infection on portable chest radiographs. *PeerJ*, **2020**, 8, e10309	3.1	17

233	Deep learning prediction of likelihood of ICU admission and mortality in COVID-19 patients using clinical variables. *PeerJ*, **2020**, 8, e10337	3.1	32
232	Predicting COVID-19 Pneumonia Severity on Chest X-ray With Deep Learning. *Cureus*, **2020**, 12, e9448	1.2	90
231	Abnormal blood-brain barrier water exchange in chronic multiple sclerosis lesions: A preliminary study. *Magnetic Resonance Imaging*, **2020**, 70, 126-133	3.3	3
230	Convolutional Neural Network Detection of Axillary Lymph Node Metastasis Using Standard Clinical Breast MRI. *Clinical Breast Cancer*, **2020**, 20, e301-e308	3	12
229	Longitudinal multiparametric MRI study of hydrogen-enriched water with minocycline combination therapy in experimental ischemic stroke in rats. *Brain Research*, **2020**, 1748, 147122	3.7	1
228	Machine-learning classification of texture features of portable chest X-ray accurately classifies COVID-19 lung infection. *BioMedical Engineering OnLine*, **2020**, 19, 88	4.1	31
227	Continued In-Hospital Angiotensin-Converting Enzyme Inhibitor and Angiotensin II Receptor Blocker Use in Hypertensive COVID-19 Patients Is Associated With Positive Clinical Outcome. *Journal of Infectious Diseases*, **2020**, 222, 1256-1264	7	68
226	Prediction model and risk scores of ICU admission and mortality in COVID-19. *PLoS ONE*, **2020**, 15, e0236618	3.7	102
225	Deep transfer learning artificial intelligence accurately stages COVID-19 lung disease severity on portable chest radiographs. *PLoS ONE*, **2020**, 15, e0236621	3.7	65
224	Deep-learning artificial intelligence analysis of clinical variables predicts mortality in COVID-19 patients. *Journal of the American College of Emergency Physicians Open*, **2020**, 1, 1364	1.6	39
223	MRI Volume Changes of Axillary Lymph Nodes as Predictor of Pathologic Complete Responses to Neoadjuvant Chemotherapy in Breast Cancer. *Clinical Breast Cancer*, **2020**, 20, 68-79.e1	3	2
222	Retinal Vascular and Anatomical Features in the Spontaneously Hypertensive Rat. *Current Eye Research*, **2020**, 45, 1422-1429	2.9	3
221	Prediction model and risk scores of ICU admission and mortality in COVID-19 **2020**, 15, e0236618		
220	Prediction model and risk scores of ICU admission and mortality in COVID-19 **2020**, 15, e0236618		
219	Prediction model and risk scores of ICU admission and mortality in COVID-19 **2020**, 15, e0236618		
218	Prediction model and risk scores of ICU admission and mortality in COVID-19 **2020**, 15, e0236618		
217	Deep transfer learning artificial intelligence accurately stages COVID-19 lung disease severity on portable chest radiographs **2020**, 15, e0236621		
216	Deep transfer learning artificial intelligence accurately stages COVID-19 lung disease severity on portable chest radiographs **2020**, 15, e0236621		

215	Deep transfer learning artificial intelligence accurately stages COVID-19 lung disease severity on portable chest radiographs **2020**, 15, e0236621		
214	Deep transfer learning artificial intelligence accurately stages COVID-19 lung disease severity on portable chest radiographs **2020**, 15, e0236621		
213	MRI features associated with high likelihood of conversion of radiologically isolated syndrome to multiple sclerosis. *Multiple Sclerosis and Related Disorders*, **2019**, 36, 101381	4	5
212	3D MRI of whole-brain water permeability with intrinsic diffusivity encoding of arterial labeled spin (IDEALS). *NeuroImage*, **2019**, 189, 401-414	7.9	15
211	Characterization of gray-matter multiple sclerosis lesions using double inversion recovery, diffusion, contrast-enhanced, and volumetric MRI. *Multiple Sclerosis and Related Disorders*, **2019**, 31, 74-81	4	3
210	Functional MRI of the mouse olfactory system. *Neuroscience Letters*, **2019**, 704, 57-61	3.3	11
209	Resting-state functional connectivity networks associated with fatigue in multiple sclerosis with early age onset. *Multiple Sclerosis and Related Disorders*, **2019**, 31, 101-105	4	11
208	Dynamic Contrast-Enhanced MRI for the Analysis of Blood-Brain Barrier Leakage in Traumatic Brain Injury. *Neuromethods*, **2018**, 271-282	0.4	
207	Chronic oral methylene blue treatment in a rat model of focal cerebral ischemia/reperfusion. *Brain Research*, **2018**, 1678, 322-329	3.7	7
206	Breast lesion characterization using whole-lesion histogram analysis with stretched-exponential diffusion model. *Journal of Magnetic Resonance Imaging*, **2018**, 47, 1701-1710	5.6	14
205	Methylene blue modulates functional connectivity in the human brain. *Brain Imaging and Behavior*, **2017**, 11, 640-648	4.1	9
204	Susceptibility tensor imaging (STI) of the brain. *NMR in Biomedicine*, **2017**, 30, e3540	4.4	39
203	Intraarterial transplantation of human umbilical cord blood mononuclear cells in hyperacute stroke improves vascular function. *Stem Cell Research and Therapy*, **2017**, 8, 74	8.3	23
202	Retinotopic fMRI Reveals Visual Dysfunction and Functional Reorganization in the Visual Cortex of Mild to Moderate Glaucoma Patients. *Journal of Glaucoma*, **2017**, 26, 430-437	2.1	17
201	Magnetic resonance imaging of blood-brain barrier permeability in ischemic stroke using diffusion-weighted arterial spin labeling in rats. *Journal of Cerebral Blood Flow and Metabolism*, **2017**, 37, 2706-2715	7.3	22
200	MRI Study of the Posterior Visual Pathways in Primary Open Angle Glaucoma. *Journal of Glaucoma*, **2017**, 26, 173-181	2.1	18
199	Delayed Methylene Blue Improves Lesion Volume, Multi-Parametric Quantitative Magnetic Resonance Imaging Measurements, and Behavioral Outcome after Traumatic Brain Injury. *Journal of Neurotrauma*, **2016**, 33, 194-202	5.4	15
198	Spatiotemporal changes in diffusion, T2 and susceptibility of white matter following mild traumatic brain injury. *NMR in Biomedicine*, **2016**, 29, 896-903	4.4	13

197	Multimodal Randomized Functional MR Imaging of the Effects of Methylene Blue in the Human Brain. *Radiology*, **2016**, 281, 516-526	20.5	17
196	Multimodal MRI characterization of experimental subarachnoid hemorrhage. *Neuroscience*, **2016**, 316, 53-62	3.9	12
195	Effects of stroke severity and treatment duration in normobaric hyperoxia treatment of ischemic stroke. *Brain Research*, **2016**, 1635, 121-9	3.7	8
194	T2*-weighted fMRI time-to-peak of oxygen challenge in ischemic stroke. *Journal of Cerebral Blood Flow and Metabolism*, **2016**, 36, 283-91	7.3	5
193	Targeted overexpression of endothelial nitric oxide synthase in endothelial cells improves cerebrovascular reactivity in Ins2Akita-type-1 diabetic mice. *Journal of Cerebral Blood Flow and Metabolism*, **2016**, 36, 1135-42	7.3	12
192	Intrinsic Resting-State Functional Connectivity in the Human Spinal Cord at 3.0 T. *Radiology*, **2016**, 279, 262-8	20.5	20
191	Methylene blue treatment in experimental ischemic stroke: a mini review. *Brain Circulation*, **2016**, 2, 48-52	2.7	15
190	A brief report on MRI investigation of experimental traumatic brain injury. *Neural Regeneration Research*, **2016**, 11, 15-7	4.5	4
189	Magnetic Resonance Imaging of Cerebral Blood Flow in Animal Stroke Models. *Brain Circulation*, **2016**, 2, 20-27	2.7	11
188	Multimodal MRI Evaluation of the MitoPark Mouse Model of Parkinson's Disease. *PLoS ONE*, **2016**, 11, e0151884	3.7	16
187	Effects of Dorzolamide on Retinal and Choroidal Blood Flow in the DBA/2J Mouse Model of Glaucoma **2016**, 57, 826-31		9
186	MRI of cerebral blood flow under hyperbaric conditions in rats. *NMR in Biomedicine*, **2016**, 29, 961-8	4.4	1
185	MRI of brain tissue oxygen tension under hyperbaric conditions. *NeuroImage*, **2016**, 133, 498-503	7.9	8
184	Spatiotemporal changes in blood-brain barrier permeability, cerebral blood flow, T2 and diffusion following mild traumatic brain injury. *Brain Research*, **2016**, 1646, 53-61	3.7	31
183	Magnetic Resonance Imaging in Experimental Traumatic Brain Injury. *Methods in Molecular Biology*, **2016**, 1462, 645-58	1.4	3
182	Discordance Between Central (Brain) and Pancreatic Action of Exenatide in Lean and Obese Subjects. *Diabetes Care*, **2016**, 39, 1804-10	14.6	10
181	Methylene blue and normobaric hyperoxia combination therapy in experimental ischemic stroke. *Brain and Behavior*, **2016**, 6, e00478	3.4	12
180	Normobaric oxygen worsens outcome after a moderate traumatic brain injury. *Journal of Cerebral Blood Flow and Metabolism*, **2015**, 35, 1137-44	7.3	11

179	Functional MRI during hyperbaric oxygen: Effects of oxygen on neurovascular coupling and BOLD fMRI signals. *NeuroImage*, **2015**, 119, 382-9	7.9	10
178	Advanced MR Imaging of the Visual Pathway. *Neuroimaging Clinics of North America*, **2015**, 25, 383-93	3	6
177	The effects of perturbed cerebral blood flow and cerebrovascular reactivity on structural MRI and behavioral readouts in mild traumatic brain injury. *Journal of Cerebral Blood Flow and Metabolism*, **2015**, 35, 1852-61	7.3	19
176	Cerebral angiography, blood flow and vascular reactivity in progressive hypertension. *NeuroImage*, **2015**, 111, 329-37	7.9	26
175	Manganese-Enhanced Magnetic Resonance Imaging of Traumatic Brain Injury. *Journal of Neurotrauma*, **2015**, 32, 1001-10	5.4	19
174	Brain high-energy phosphates and creatine kinase synthesis rate under graded isoflurane anesthesia: An in vivo (31) P magnetization transfer study at 11.7 tesla. *Magnetic Resonance in Medicine*, **2015**, 73, 726-30	4.4	7
173	Layer-Specific Manganese-Enhanced MRI of the Diabetic Rat Retina in Light and Dark Adaptation at 11.7 Tesla **2015**, 56, 4006-12		9
172	The Effects of Methylene Blue on Autophagy and Apoptosis in MRI-Defined Normal Tissue, Ischemic Penumbra and Ischemic Core. *PLoS ONE*, **2015**, 10, e0131929	3.7	23
171	A method for estimating and removing streaking artifacts in quantitative susceptibility mapping. *NeuroImage*, **2015**, 108, 111-22	7.9	167
170	Ultra-high spatial resolution basal and evoked cerebral blood flow MRI of the rat brain. *Brain Research*, **2015**, 1599, 126-36	3.7	15
169	White matter lesion load is associated with resting state functional MRI activity and amyloid PET but not FDG in mild cognitive impairment and early Alzheimer's disease patients. *Journal of Magnetic Resonance Imaging*, **2015**, 41, 102-9	5.6	55
168	Multiparametric and longitudinal MRI characterization of mild traumatic brain injury in rats. *Journal of Neurotrauma*, **2015**, 32, 598-607	5.4	45
167	Multi-region hemispheric specialization differentiates human from nonhuman primate brain function. *Brain Structure and Function*, **2014**, 219, 2187-94	4	26
166	Effects of cerebral ischemic and reperfusion on T2*-weighted MRI responses to brief oxygen challenge. *Journal of Cerebral Blood Flow and Metabolism*, **2014**, 34, 169-75	7.3	7
165	Methylene blue treatment delays progression of perfusion-diffusion mismatch to infarct in permanent ischemic stroke. *Brain Research*, **2014**, 1588, 144-9	3.7	16
164	MRI under hyperbaric air and oxygen: effects on local magnetic field and relaxation times. *Magnetic Resonance in Medicine*, **2014**, 72, 1176-81	4.4	6
163	Imaging neurovascular function and functional recovery after stroke in the rat striatum using forepaw stimulation. *Journal of Cerebral Blood Flow and Metabolism*, **2014**, 34, 1483-92	7.3	22
162	FMRI of deep brain stimulation at the rat ventral posteromedial thalamus. *Brain Stimulation*, **2014**, 7, 190-3	5.1	20

161	Magnetic resonance imaging of the retina: from mice to men. *Magnetic Resonance in Medicine*, **2014**, 71, 1526-30	4.4	17
160	Multiparametric MRI characterization and prediction in autism spectrum disorder using graph theory and machine learning. *PLoS ONE*, **2014**, 9, e90405	3.7	65
159	A quantitative MRI method for imaging blood-brain barrier leakage in experimental traumatic brain injury. *PLoS ONE*, **2014**, 9, e114173	3.7	18
158	Choroidal blood flow decreases with age: an MRI study. *Current Eye Research*, **2014**, 39, 1059-67	2.9	21
157	Methylene blue is neuroprotective against mild traumatic brain injury. *Journal of Neurotrauma*, **2014**, 31, 1063-71	5.4	54
156	Neural bases of food perception: coordinate-based meta-analyses of neuroimaging studies in multiple modalities. *Obesity*, **2014**, 22, 1439-46	8	71
155	Comparison of retinal and cerebral blood flow between continuous arterial spin labeling MRI and fluorescent microsphere techniques. *Journal of Magnetic Resonance Imaging*, **2014**, 40, 609-15	5.6	12
154	Quantitative cerebral blood flow measurements using MRI. *Methods in Molecular Biology*, **2014**, 1135, 205-11	1.4	11
153	Blood flow and anatomical MRI in a mouse model of retinitis pigmentosa. *Magnetic Resonance in Medicine*, **2013**, 69, 221-8	4.4	23
152	Decreased retinal-choroidal blood flow in retinitis pigmentosa as measured by MRI. *Documenta Ophthalmologica*, **2013**, 126, 187-97	2.2	54
151	Decreased in vitro mitochondrial function is associated with enhanced brain metabolism, blood flow, and memory in Surf1-deficient mice. *Journal of Cerebral Blood Flow and Metabolism*, **2013**, 33, 1605-11	7.3	35
150	Balanced steady state free precession for arterial spin labeling MRI: Initial experience for blood flow mapping in human brain, retina, and kidney. *Magnetic Resonance Imaging*, **2013**, 31, 1044-50	3.3	25
149	MRI study of cerebral, retinal and choroidal blood flow responses to acute hypertension. *Experimental Eye Research*, **2013**, 112, 118-24	3.7	17
148	Ultra high-resolution fMRI and electrophysiology of the rat primary somatosensory cortex. *NeuroImage*, **2013**, 73, 113-20	7.9	35
147	Methylene blue potentiates stimulus-evoked fMRI responses and cerebral oxygen consumption during normoxia and hypoxia. *NeuroImage*, **2013**, 72, 237-42	7.9	30
146	Magnetic resonance imaging of perfusion-diffusion mismatch in rodent and non-human primate stroke models. *Neurological Research*, **2013**, 35, 465-9	2.7	10
145	Human vitreous: MR imaging of oxygen partial pressure. *Radiology*, **2013**, 266, 905-11	20.5	10
144	Laser speckle contrast imaging of blood flow in rat retinas using an endoscope. *Journal of Biomedical Optics*, **2013**, 18, 090501	3.5	29

143	Dual-wavelength photothermal optical coherence tomography for imaging microvasculature blood oxygen saturation. *Journal of Biomedical Optics*, **2013**, 18, 56005	3.5	14
142	Quantitative retinal and choroidal blood flow during light, dark adaptation and flicker light stimulation in rats using fluorescent microspheres. *Current Eye Research*, **2013**, 38, 292-8	2.9	38
141	Postocclusive reactive hyperemia occurs in the rat retinal circulation but not in the choroid **2013**, 54, 5123-31		4
140	Stroke neuroprotection: targeting mitochondria. *Brain Sciences*, **2013**, 3, 540-60	3.4	35
139	A comparison of five standard methods for evaluating image intensity uniformity in partially parallel imaging MRI. *Medical Physics*, **2013**, 40, 082302	4.4	17
138	A review of current imaging methods used in stroke research. *Neurological Research*, **2013**, 35, 1092-102	2.7	20
137	Characterization of Seizure Generating and Propagating Regions in Human Focal Epilepsy with Resting State Functional Connectivity MRI. *Journal of Neuroscience and Neuroengineering*, **2013**, 2, 451-459		4
136	Neuroprotective efficacy of methylene blue in ischemic stroke: an MRI study. *PLoS ONE*, **2013**, 8, e79833	3.7	45
135	Spatiotemporal dynamics of diffusional kurtosis, mean diffusivity and perfusion changes in experimental stroke. *Brain Research*, **2012**, 1451, 100-9	3.7	67
134	Incorporating ADC temporal profiles to predict ischemic tissue fate in acute stroke. *Brain Research*, **2012**, 1458, 86-92	3.7	7
133	A low cost color visual stimulator for fMRI. *Journal of Neuroscience Methods*, **2012**, 204, 379-82	3	4
132	Recent MRI advances in experimental stroke. *Translational Stroke Research*, **2012**, 3, 1-3	7.8	10
131	Transcranial imaging of functional cerebral hemodynamic changes in single blood vessels using in vivo photoacoustic microscopy. *Journal of Cerebral Blood Flow and Metabolism*, **2012**, 32, 938-51	7.3	61
130	Layer-specific blood-flow MRI of retinitis pigmentosa in RCS rats. *Experimental Eye Research*, **2012**, 101, 90-6	3.7	28
129	Methylene blue as a cerebral metabolic and hemodynamic enhancer. *PLoS ONE*, **2012**, 7, e46585	3.7	52
128	Reduced ocular blood flow as an early indicator of diabetic retinopathy in a mouse model of diabetes **2012**, 53, 6488-94		83
127	3D magnetic resonance microscopy of the ex vivo retina. *Magnetic Resonance in Medicine*, **2012**, 67, 1154-8	4.4	4
126	Pharmacological MRI of the choroid and retina: blood flow and BOLD responses during nitroprusside infusion. *Magnetic Resonance in Medicine*, **2012**, 68, 1273-8	4.4	18

125	Layer-specific manganese-enhanced MRI of the retina in light and dark adaptation **2012**, 53, 4352-8		13
124	Multimodal MRI of experimental stroke. *Translational Stroke Research*, **2012**, 3, 8-15	7.8	8
123	Multimodal MRI of nonhuman primate stroke. *Translational Stroke Research*, **2012**, 3, 84-9	7.8	3
122	Blood longitudinal (T1) and transverse (T2) relaxation time constants at 11.7 Tesla. *Magnetic Resonance Materials in Physics, Biology, and Medicine*, **2012**, 25, 245-9	2.8	36
121	Endogenous opioid-dopamine neurotransmission underlie negative CBV fMRI signals. *Experimental Neurology*, **2012**, 234, 382-8	5.7	18
120	High-resolution 3D MR microangiography of the rat ocular circulation. *Radiology*, **2012**, 264, 234-41	20.5	21
119	Blood flow MRI of the human retina/choroid during rest and isometric exercise **2012**, 53, 4299-305		29
118	Magnetic resonance imaging indicates decreased choroidal and retinal blood flow in the DBA/2J mouse model of glaucoma **2012**, 53, 560-4		29
117	Investigation of the cerebral hemodynamic response function in single blood vessels by functional photoacoustic microscopy. *Journal of Biomedical Optics*, **2012**, 17, 061210	3.5	23
116	SU-E-I-68: The Effect of Partially Parallel Imaging on SNR Across Scanning Platforms. *Medical Physics* , **2012**, 39, 3640	4.4	
115	SU-E-I-72: Modulation of Hypothalamic Connectivity by Food Ingestion. *Medical Physics*, **2012**, 39, 3641	4.4	
114	Functional neuroimaging of the baboon during concurrent image-guided transcranial magnetic stimulation. *NeuroImage*, **2011**, 57, 1393-401	7.9	19
113	MRI reveals differential regulation of retinal and choroidal blood volumes in rat retina. *NeuroImage*, **2011**, 54, 1063-9	7.9	23
112	Depth-resolved blood oxygen saturation measurement by dual-wavelength photothermal (DWP) optical coherence tomography. *Biomedical Optics Express*, **2011**, 2, 491-504	3.5	33
111	In vivo depth-resolved oxygen saturation by Dual-Wavelength Photothermal (DWP) OCT. *Optics Express*, **2011**, 19, 23831-44	3.3	17
110	Magnetic resonance imaging of the retina: A brief historical and future perspective. *Saudi Journal of Ophthalmology*, **2011**, 25, 137-43	0.9	10
109	Baseline CBF, and BOLD, CBF, and CMRO2 fMRI of visual and vibrotactile stimulations in baboons. *Journal of Cerebral Blood Flow and Metabolism*, **2011**, 31, 715-24	7.3	38
108	Striatal and cortical BOLD, blood flow, blood volume, oxygen consumption, and glucose consumption changes in noxious forepaw electrical stimulation. *Journal of Cerebral Blood Flow and Metabolism*, **2011**, 31, 832-41	7.3	45

107	Arterial spin labeling and dynamic susceptibility contrast CBF MRI in postischemic hyperperfusion, hypercapnia, and after mannitol injection. *Journal of Cerebral Blood Flow and Metabolism*, **2011**, 31, 1403-11	7.3	36
106	Spatiotemporal characteristics of postischemic hyperperfusion with respect to changes in T1, T2, diffusion, angiography, and blood-brain barrier permeability. *Journal of Cerebral Blood Flow and Metabolism*, **2011**, 31, 2076-85	7.3	40
105	Quantitative prediction of acute ischemic tissue fate using support vector machine. *Brain Research*, **2011**, 1405, 77-84	3.7	27
104	Probing ischemic tissue fate with BOLD fMRI of brief oxygen challenge. *Brain Research*, **2011**, 1425, 132-41	3.7	23
103	Effects of common anesthetics on eye movement and electroretinogram. *Documenta Ophthalmologica*, **2011**, 122, 163-76	2.2	56
102	MicroCT-based virtual histology evaluation of preclinical medulloblastoma. *Molecular Imaging and Biology*, **2011**, 13, 493-499	3.8	13
101	Manganese-enhanced MRI reveals multiple cellular and vascular layers in normal and degenerated retinas. *Journal of Magnetic Resonance Imaging*, **2011**, 34, 1422-9	5.6	17
100	Alternate ascending/descending directional navigation approach for imaging magnetization transfer asymmetry. *Magnetic Resonance in Medicine*, **2011**, 65, 1702-10	4.4	14
99	Brain MR perfusion-weighted imaging with alternate ascending/descending directional navigation. *Magnetic Resonance in Medicine*, **2011**, 65, 1578-91	4.4	18
98	MRI of blood flow of the human retina. *Magnetic Resonance in Medicine*, **2011**, 65, 1768-75	4.4	38
97	Anatomical, blood oxygenation level-dependent, and blood flow MRI of nonhuman primate (baboon) retina. *Magnetic Resonance in Medicine*, **2011**, 66, 546-54	4.4	8
96	Layer-specific functional and anatomical MRI of the retina with passband balanced SSFP. *Magnetic Resonance in Medicine*, **2011**, 66, 1416-21	4.4	28
95	Blood oxygenation level-dependent (BOLD) functional MRI of visual stimulation in the rat retina at 11.7 T. *NMR in Biomedicine*, **2011**, 24, 188-93	4.4	21
94	MRI of retinal and choroidal blood flow with laminar resolution. *NMR in Biomedicine*, **2011**, 24, 216-23	4.4	44
93	Background suppression in arterial spin labeling MRI with a separate neck labeling coil. *NMR in Biomedicine*, **2011**, 24, 1111-8	4.4	13
92	Longitudinal study of tumor-associated macrophages during tumor expansion using MRI. *NMR in Biomedicine*, **2011**, 24, 1353-60	4.4	27
91	Magnetic resonance imaging of vascular oxygenation changes during hyperoxia and carbogen challenges in the human retina **2011**, 52, 286-91		25
90	Lamina-specific functional MRI of retinal and choroidal responses to visual stimuli **2011**, 52, 5303-10		30

89	Lamina-specific anatomic magnetic resonance imaging of the human retina **2011**, 52, 7232-7		32
88	Cerebral Blood Volume Measurements - Gd_DTPA vs. VASO - and Their Relationship with Cerebral Blood Flow in Activated Human Visual Cortex. *Open Neuroimaging Journal*, **2011**, 5, 90-5	0.1	7
87	Measurements and modeling of transient blood flow perturbations induced by brief somatosensory stimulation. *Open Neuroimaging Journal*, **2011**, 5, 96-104	0.1	5
86	MRI of perfusion-diffusion mismatch in non-human primate (baboon) stroke: a preliminary report. *Open Neuroimaging Journal*, **2011**, 5, 147-52	0.1	11
85	Comparison of in vivo and ex vivo diffusion tensor imaging in rhesus macaques at short and long diffusion times. *Open Neuroimaging Journal*, **2011**, 5, 172-8	0.1	15
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