Osamu Togao

List of Publications by Year in descending order

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ΟςλΜΗ ΤΟςλο

#	Article	IF	CITATIONS
1	Klotho Inhibits Transforming Growth Factor-β1 (TGF-β1) Signaling and Suppresses Renal Fibrosis and Cancer Metastasis in Mice. Journal of Biological Chemistry, 2011, 286, 8655-8665.	3.4	453
2	Amide proton transfer imaging of adult diffuse gliomas: correlation with histopathological grades. Neuro-Oncology, 2014, 16, 441-448.	1.2	312
3	In vivo chemical exchange saturation transfer imaging allows early detection of a therapeutic response in glioblastoma. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 4542-4547.	7.1	168
4	Assessment of Renal Fibrosis with Diffusion-weighted MR Imaging: Study with Murine Model of Unilateral Ureteral Obstruction. Radiology, 2010, 255, 772-780.	7.3	148
5	Differentiating primary CNS lymphoma from glioblastoma multiforme: assessment using arterial spin labeling, diffusion-weighted imaging, and 18F-fluorodeoxyglucose positron emission tomography. Neuroradiology, 2013, 55, 135-143.	2.2	110
6	MR Imaging–Based Analysis of Glioblastoma Multiforme: Estimation of <i>IDH1</i> Mutation Status. American Journal of Neuroradiology, 2016, 37, 58-65.	2.4	109
7	Differentiation of high-grade and low-grade diffuse gliomas by intravoxel incoherent motion MR imaging. Neuro-Oncology, 2016, 18, 132-141.	1.2	109
8	Grading diffuse gliomas without intense contrast enhancement by amide proton transfer MR imaging: comparisons with diffusion- and perfusion-weighted imaging. European Radiology, 2017, 27, 578-588.	4.5	90
9	Ultrashort echo time (UTE) MRI of the lung: Assessment of tissue density in the lung parenchyma. Magnetic Resonance in Medicine, 2010, 64, 1491-1498.	3.0	88
10	Review and consensus recommendations on clinical <scp>APT</scp> â€weighted imaging approaches at <scp>3T</scp> : Application to brain tumors. Magnetic Resonance in Medicine, 2022, 88, 546-574.	3.0	79
11	Regional gray and white matter volume abnormalities in obsessive–compulsive disorder: A voxel-based morphometry study. Psychiatry Research - Neuroimaging, 2010, 184, 29-37.	1.8	73
12	Prevalence and clinicopathological features of H3.3 G34-mutant high-grade gliomas: a retrospective study of 411 consecutive glioma cases in a single institution. Brain Tumor Pathology, 2017, 34, 103-112.	1.7	69
13	Amide proton transfer imaging of brain tumors using a self-corrected 3D fast spin-echo dixon method: Comparison With separate B ₀ correction. Magnetic Resonance in Medicine, 2017, 77, 2272-2279.	3.0	68
14	Amide Proton Transfer MR Imaging of Endometrioid Endometrial Adenocarcinoma: Association with Histologic Grade. Radiology, 2018, 286, 909-917.	7.3	57
15	Modulation of water exchange in Eu(III) DOTA–tetraamide complexes: considerations for <i>in vivo</i> imaging of PARACEST agents. Contrast Media and Molecular Imaging, 2009, 4, 183-191.	0.8	56
16	Prevalence of Stenoocclusive Lesions in the Renal and Abdominal Arteries in Moyamoya Disease. American Journal of Roentgenology, 2004, 183, 119-122.	2.2	53
17	Ventilation/perfusion imaging of the lung using ultraâ€short echo time (UTE) MRI in an animal model of pulmonary embolism. Journal of Magnetic Resonance Imaging, 2011, 34, 539-546.	3.4	43
18	Amide proton transfer (APT) magnetic resonance imaging of prostate cancer: comparison with Gleason scores. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2016, 29, 671-679.	2.0	42

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19	Characterization of Lung Cancer by Amide Proton Transfer (APT) Imaging: An In-Vivo Study in an Orthotopic Mouse Model. PLoS ONE, 2013, 8, e77019.	2.5	41
20	Biological heterogeneity of obsessive–compulsive disorder: A voxelâ€based morphometric study based on dimensional assessment. Psychiatry and Clinical Neurosciences, 2015, 69, 411-421.	1.8	41
21	Scan–rescan reproducibility of parallel transmission based amide proton transfer imaging of brain tumors. Journal of Magnetic Resonance Imaging, 2015, 42, 1346-1353.	3.4	41
22	Ultrahigh-resolution CT scan of the temporal bone. European Archives of Oto-Rhino-Laryngology, 2018, 275, 2797-2803.	1.6	37
23	Diagnostic utility of intravoxel incoherent motion mr imaging in differentiating primary central nervous system lymphoma from glioblastoma multiforme. Journal of Magnetic Resonance Imaging, 2016, 44, 1256-1261.	3.4	35
24	Amide proton transfer imaging can predict tumor grade in rectal cancer. Magnetic Resonance Imaging, 2018, 51, 96-103.	1.8	35
25	Evaluation of chronic inflammatory demyelinating polyneuropathy: 3D nerve-sheath signal increased with inked rest-tissue rapid acquisition of relaxation enhancement imaging (3D SHINKEI). European Radiology, 2017, 27, 447-453.	4.5	31
26	Diffusivity of intraorbital lymphoma vs. IgG4-related DISEASE: 3D turbo field echo with diffusion-sensitised driven-equilibrium preparation technique. European Radiology, 2014, 24, 581-586.	4.5	30
27	Amide Proton Transfer Imaging of Diffuse Gliomas: Effect of Saturation Pulse Length in Parallel Transmission-Based Technique. PLoS ONE, 2016, 11, e0155925.	2.5	30
28	Arterial spin labeling of hemangioblastoma: differentiation from metastatic brain tumors based on quantitative blood flow measurement. Neuroradiology, 2012, 54, 809-813.	2.2	29
29	Nanoparticle facilitated inhalational delivery of erythropoietin receptor cDNA protects against hyperoxic lung injury. Nanomedicine: Nanotechnology, Biology, and Medicine, 2016, 12, 811-821.	3.3	29
30	Amide proton transfer imaging to predict tumor response to neoadjuvant chemotherapy in locally advanced rectal cancer. Journal of Gastroenterology and Hepatology (Australia), 2019, 34, 140-146.	2.8	28
31	Functional connectivity change between posterior cingulate cortex and ventral attention network relates to the impairment of orientation for time in Alzheimer's disease patients. Brain Imaging and Behavior, 2019, 13, 154-161.	2.1	27
32	Acceleration-selective Arterial Spin-labeling MR Angiography Used to Visualize Distal Cerebral Arteries and Collateral Vessels in Moyamoya Disease. Radiology, 2018, 286, 611-621.	7.3	26
33	Balloon test occlusion of internal carotid artery: Angiographic findings predictive of results. World Journal of Radiology, 2014, 6, 619.	1.1	26
34	Correlation between arterial spin-labeling perfusion and histopathological vascular density of pediatric intracranial tumors. Journal of Neuro-Oncology, 2017, 135, 561-569.	2.9	25
35	Measurement of the perfusion fraction in brain tumors with intravoxel incoherent motion MR imaging: validation with histopathological vascular density in meningiomas. British Journal of Radiology, 2018, 91, 20170912.	2.2	25
36	4D ASL-based MR angiography for visualization of distal arteries and leptomeningeal collateral vessels in moyamoya disease: a comparison of techniques. European Radiology, 2018, 28, 4871-4881.	4.5	25

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37	Increased functional connectivity between presupplementary motor area and inferior frontal gyrus associated with the ability of motor response inhibition in obsessive–compulsive disorder. Human Brain Mapping, 2022, 43, 974-984.	3.6	25
38	High-resolution three-dimensional diffusion-weighted MRI/CT image data fusion for cholesteatoma surgical planning: a feasibility study. European Archives of Oto-Rhino-Laryngology, 2015, 272, 3821-3824.	1.6	22
39	Diffusivity of intraorbital lymphoma vs. inflammation: comparison of single shot turbo spin echo and multishot echo planar imaging techniques. European Radiology, 2018, 28, 325-330.	4.5	22
40	Dysfunction between dorsal caudate and salience network associated with impaired cognitive flexibility in obsessive-compulsive disorder: A resting-state fMRI study. NeuroImage: Clinical, 2019, 24, 102004.	2.7	21
41	Clinical significance of <i>CDKN2A</i> homozygous deletion in combination with methylated <i>MGMT</i> status for <i>IDH</i> â€wildtype glioblastoma. Cancer Medicine, 2021, 10, 3177-3187.	2.8	21
42	Vessel-selective 4D-MR angiography using super-selective pseudo-continuous arterial spin labeling may be a useful tool for assessing brain AVM hemodynamics. European Radiology, 2020, 30, 6452-6463.	4.5	20
43	Diagnostic accuracy for the epileptogenic zone detection in focal epilepsy could be higher in FDG-PET/MRI than in FDG-PET/CT. European Radiology, 2021, 31, 2915-2922.	4.5	18
44	Lumbar plexus in patients with chronic inflammatory demyelinating polyneuropathy: Evaluation with 3D nerve-sheath signal increased with inked rest-tissue rapid acquisition of relaxation enhancement imaging (3D SHINKEI). European Journal of Radiology, 2017, 93, 95-99.	2.6	17
45	Spiral T1 Spin-Echo for Routine Postcontrast Brain MRI Exams: A Multicenter Multireader Clinical Evaluation. American Journal of Neuroradiology, 2020, 41, 238-245.	2.4	17
46	The radiological diagnosis of fenestral otosclerosis: the utility of histogram analysis using multidetector row CT. European Archives of Oto-Rhino-Laryngology, 2014, 271, 3277-3282.	1.6	16
47	Nonâ€contrast enhanced 4D intracranial MR angiography based on pseudoâ€continuous arterial spin labeling with the keyhole and viewâ€sharing technique. Magnetic Resonance in Medicine, 2018, 80, 719-725.	3.0	16
48	A Qualitative and Quantitative Correlation Study of Lumbar Intervertebral Disc Degeneration Using Glycosaminoglycan Chemical Exchange Saturation Transfer, Pfirrmann Grade, and T1-ï• American Journal of Neuroradiology, 2018, 39, 1369-1375.	2.4	16
49	Intravoxel Incoherent Motion MR Imaging of Pediatric Intracranial Tumors: Correlation with Histology and Diagnostic Utility. American Journal of Neuroradiology, 2019, 40, 878-884.	2.4	16
50	Simultaneous MR neurography and apparent T2 mapping in brachial plexus: Evaluation of patients with chronic inflammatory demyelinating polyradiculoneuropathy. Magnetic Resonance Imaging, 2019, 55, 112-117.	1.8	16
51	First-line bevacizumab contributes to survival improvement in glioblastoma patients complementary to temozolomide. Journal of Neuro-Oncology, 2020, 146, 451-458.	2.9	16
52	Usefulness of perfusion- and diffusion-weighted imaging to differentiate between pilocytic astrocytomas and high-grade gliomas: a multicenter study in Japan. Neuroradiology, 2018, 60, 391-401.	2.2	14
53	Accelerationâ€selective arterial spin labeling for intracranial MR angiography with improved visualization of cortical arteries and suppression of cortical veins. Magnetic Resonance in Medicine, 2017, 77, 1996-2004.	3.0	13
54	Glycosaminoglycan chemical exchange saturation transfer in human lumbar intervertebral discs: Effect of saturation pulse and relationship with low back pain. Journal of Magnetic Resonance Imaging, 2017, 45, 863-871.	3.4	13

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55	HLA-DRB1*04:05 allele is associated with intracortical lesions on three-dimensional double inversion recovery images in Japanese patients with multiple sclerosis. Multiple Sclerosis Journal, 2018, 24, 710-720.	3.0	13
56	Disconnection of the right superior parietal lobule from the precuneus is associated with memory impairment in oldest-old Alzheimer's disease patients. Heliyon, 2020, 6, e04516.	3.2	13
57	Alterations of default mode and cingulo-opercular salience network and frontostriatal circuit: A candidate endophenotype of obsessive-compulsive disorder. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2022, 116, 110516.	4.8	13
58	Additional MR contrast dosage for radiologists' diagnostic performance in detecting brain metastases: a systematic observer study at 3 T. Japanese Journal of Radiology, 2014, 32, 537-544.	2.4	12
59	Lumbar plexus in patients with chronic inflammatory demyelinating polyradiculoneuropathy: evaluation with simultaneous <i>T</i> ₂ mapping and neurography method with SHINKEI. British Journal of Radiology, 2018, 91, 20180501.	2.2	12
60	A unique increase in prefrontal gray matter volume in hoarding disorder compared to obsessive-compulsive disorder. PLoS ONE, 2018, 13, e0200814.	2.5	12
61	Differentiation of high-grade from low-grade diffuse gliomas using diffusion-weighted imaging: a comparative study of mono-, bi-, and stretched-exponential diffusion models. Neuroradiology, 2020, 62, 815-823.	2.2	12
62	Aberrant Resting-State Cerebellar-Cerebral Functional Connectivity in Unmedicated Patients With Obsessive-Compulsive Disorder. Frontiers in Psychiatry, 2021, 12, 659616.	2.6	12
63	Amide proton transfer (APT) imaging of parotid tumors: Differentiation of malignant and benign tumors. European Journal of Radiology, 2020, 129, 109047.	2.6	12
64	Effect of the saturation pulse duration on chemical exchange saturation transfer in amide proton transfer MR imaging: a phantom study. Radiological Physics and Technology, 2016, 9, 15-21.	1.9	11
65	Correlations of amide proton transfer-weighted MRI of cerebral infarction with clinico-radiological findings. PLoS ONE, 2020, 15, e0237358.	2.5	11
66	A deep convolutional neural network-based automatic detection of brain metastases with and without blood vessel suppression. European Radiology, 2022, 32, 2998-3005.	4.5	11
67	Cerebral blood flow laterality derived from arterial spin labeling as a biomarker for assessing the disease severity of parkinson's disease. Journal of Magnetic Resonance Imaging, 2017, 45, 1821-1826.	3.4	10
68	Arterial spin-labeling is useful for the diagnosis of residual or recurrent meningiomas. European Radiology, 2018, 28, 4334-4342.	4.5	10
69	Acceleration-selective arterial spin labeling MR angiography for visualization of brain arteriovenous malformations. Neuroradiology, 2019, 61, 979-989.	2.2	10
70	Evaluation of glioblastomas and lymphomas with whole-brain CT perfusion: Comparison between a delay-invariant singular-value decomposition algorithm and a Patlak plot. Journal of Neuroradiology, 2016, 43, 266-272.	1.1	9
71	Clinical efficacy of simplified intravoxel incoherent motion imaging using three b-values for differentiating high- and low-grade gliomas. PLoS ONE, 2018, 13, e0209796.	2.5	9
72	Neuroanatomical substrate of chronic psychosis in epilepsy: an MRI study. Brain Imaging and Behavior, 2020, 14, 1382-1387.	2.1	9

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73	High Resolution Diffusion-Weighted Imaging for Solitary Orbital Tumors. Clinical Neuroradiology, 2018, 28, 261-266.	1.9	8
74	Volumetric study reveals the relationship between outcome and early radiographic response during bevacizumab-containing chemoradiotherapy for unresectable glioblastoma. Journal of Neuro-Oncology, 2021, 154, 187-196.	2.9	8
75	Pure dysarthria and dysarthria-facial paresis syndrome due to internal capsule and/or corona radiata infarction. BMC Neurology, 2015, 15, 184.	1.8	7
76	Primary phosphaturic mesenchymal tumour of the lumbar spine: utility of ⁶⁸ Ga-DOTATOC PET/CT findings. BJR case Reports, 2016, 2, 20150497.	0.2	7
77	Sequential morphological change of Chiari malformation type II following surgical repair of myelomeningocele. Child's Nervous System, 2016, 32, 1069-1078.	1.1	7
78	Evaluation of diffusivity in pituitary adenoma: 3D turbo field echo with diffusion-sensitized driven-equilibrium preparation. British Journal of Radiology, 2016, 89, 20150755.	2.2	7
79	Relevance of calcification and contrast enhancement pattern for molecular diagnosis and survival prediction of gliomas based on the 2016 World Health Organization Classification. Clinical Neurology and Neurosurgery, 2019, 187, 105556.	1.4	7
80	Cortical thickness difference across the central sulcus visualized in the presence of vasogenic edema. European Journal of Radiology, 2008, 66, 274-281.	2.6	6
81	Structural changes in Parkinson's disease: voxel-based morphometry and diffusion tensor imaging analyses based on 123I-MIBG uptake. European Radiology, 2017, 27, 5073-5079.	4.5	6
82	Neurophysiological Face Processing Deficits in Patients With Chronic Schizophrenia: An MEG Study. Frontiers in Psychiatry, 2020, 11, 554844.	2.6	6
83	Vessel-Selective 4D-MRA Using Superselective Pseudocontinuous Arterial Spin-Labeling with Keyhole and View-Sharing for Visualizing Intracranial Dural AVFs. American Journal of Neuroradiology, 2022, 43, 368-375.	2.4	6
84	3D turbo field echo with diffusion-sensitized driven-equilibrium preparation technique (DSDE-TFE) <i>versus</i> echo planar imaging in evaluation of diffusivity of retinoblastoma. British Journal of Radiology, 2016, 89, 20160074.	2.2	5
85	<i>In Vitro</i> and <i>In Vivo</i> Detection of Drug-induced Apoptosis Using Annexin V-conjugated Ultrasmall Superparamagnetic Iron Oxide (USPIO): A Pilot Study. Magnetic Resonance in Medical Sciences, 2019, 18, 142-149.	2.0	5
86	Improved selective visualization of internal and external carotid artery in 4D-MR angiography based on super-selective pseudo-continuous arterial spin labeling combined with CENTRA-keyhole and view-sharing (4D-S-PACK). Magnetic Resonance Imaging, 2020, 73, 15-22.	1.8	5
87	Lower Hippocampal Volume in Patients with Schizophrenia and Bipolar Disorder: A Quantitative MRI Study. Journal of Personalized Medicine, 2021, 11, 121.	2.5	5
88	Correlating Function and Imaging Measures of the Medial Longitudinal Fasciculus. PLoS ONE, 2016, 11, e0147863.	2.5	4
89	Calcium pyrophosphate dihydrate crystal deposition disease of the spinal dura mater: a case report. BJR case Reports, 2018, 4, 20170049	0.2	4
90	Quantitative relaxometry using synthetic MRI could be better than T2-FLAIR mismatch sign for differentiation of IDH-mutant gliomas: a pilot study. Scientific Reports, 2022, 12, .	3.3	4

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91	Additive value of "otosclerosis-weighted―images for the CT diagnosis of fenestral otosclerosis. Acta Radiologica, 2017, 58, 1215-1221.	1.1	3
92	Visualization of cerebrospinal fluid dynamics using multiâ€spin echo acquisition cine imaging (MUSACI). Magnetic Resonance in Medicine, 2019, 81, 331-341.	3.0	3
93	Improved Visualization of Middle Ear Cholesteatoma with Computed Diffusion-weighted Imaging. Magnetic Resonance in Medical Sciences, 2019, 18, 233-237.	2.0	3
94	Comparison of image quality of head and neck lesions between 3D gradient echo sequences with compressed sensing and the multi-slice spin echo sequence. Acta Radiologica Open, 2020, 9, 205846012095664.	0.6	3
95	Contribution of cortical lesions to cognitive impairment in Japanese patients with multiple sclerosis. Scientific Reports, 2020, 10, 5228.	3.3	3
96	Optimization of 4D-MR angiography based on superselective pseudo-continuous arterial spin labeling combined with CENTRA-keyhole and view-sharing (4D-S-PACK) for vessel-selective visualization of the internal carotid artery and vertebrobasilar artery systems. Magnetic Resonance Imaging, 2022, 85, 287-296.	1.8	3
97	Abnormal white matter structure in hoarding disorder. Journal of Psychiatric Research, 2022, 148, 1-8.	3.1	3
98	Robust visualization of middle cerebral artery main trunk by enhanced accelerationâ€selective arterial spin labeling (eAccASL) for intracranial MRA. Magnetic Resonance in Medicine, 2019, 81, 3185-3191.	3.0	2
99	A voxel-based analysis of cerebral blood flow abnormalities in obsessive-compulsive disorder using pseudo-continuous arterial spin labeling MRI. PLoS ONE, 2020, 15, e0236512.	2.5	2
100	The application of a gamma distribution model to diffusion-weighted images of the orofacial region. Dentomaxillofacial Radiology, 2021, 50, 20200252.	2.7	2
101	Gamma distribution model of diffusion MRI for the differentiation of primary central nerve system lymphomas and glioblastomas. PLoS ONE, 2020, 15, e0243839.	2.5	2
102	Alveolar soft part sarcoma of the orbit: A case report. Radiology Case Reports, 2021, 16, 3766-3771.	0.6	2
103	Changes in the Relapse Pattern and Prognosis of Glioblastoma After Approval of First-Line Bevacizumab: A Single-Center Retrospective Study. World Neurosurgery, 2022, 159, e479-e487.	1.3	2
104	Three-dimensional chemical exchange saturation transfer imaging using compressed SENSE for full z-spectrum acquisition. Magnetic Resonance Imaging, 2022, 92, 58-66.	1.8	2
105	Spindle cell/sclerosing rhabdomyosarcoma with intracranial invasion without destroying the bone of the skull base: a case report and literature review. Acta Radiologica Open, 2017, 6, 205846011772731.	0.6	1
106	Papillary craniopharyngioma coexisting with an intratumoral abscess in a pediatric patient: A case report and review of the literature. Acta Radiologica Open, 2021, 10, 205846012110306.	0.6	1
107	Intravoxel incoherent motion magnetic resonance imaging findings in the acute phase of MELAS : a case report. Brain and Behavior, 2014, 4, 798-800.	2.2	0
108	Optimization of the refocusing flip angle in the characterization of cerebrospinal fluid dynamics using multi-spin echo acquisition cine imaging (MUSACI). Magnetic Resonance Imaging, 2021, 76, 87-95.	1.8	0

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109	A comparison among gamma distribution, intravoxel incoherent motion, and mono-exponential models with turbo spin-echo diffusion-weighted MR imaging in the differential diagnosis of orofacial lesions. Dentomaxillofacial Radiology, 2022, 51, 20200609.	2.7	0
110	Gamma distribution model of diffusion MRI for evaluating the isocitrate dehydrogenase mutation status of glioblastomas. British Journal of Radiology, 2022, 95, 20210392.	2.2	0
111	Percutaneous vertebroplasty in the treatment of pain caused by metastatic tumor. Fukuoka Acta Medica, 2005, 96, 93-9.	0.1	0
112	Title is missing!. , 2020, 15, e0237358.		0
113	Title is missing!. , 2020, 15, e0237358.		0
114	Title is missing!. , 2020, 15, e0237358.		0
115	Title is missing!. , 2020, 15, e0237358.		0
116	Title is missing!. , 2020, 15, e0237358.		0
117	Title is missing!. , 2020, 15, e0243839.		0
118	Title is missing!. , 2020, 15, e0243839.		0
119	Title is missing!. , 2020, 15, e0243839.		0
120	Title is missing!. , 2020, 15, e0243839.		0
121	Title is missing!. , 2020, 15, e0243839.		0
122	Title is missing!. , 2020, 15, e0243839.		0
123	Title is missing!. , 2020, 15, e0236512.		0
124	Title is missing!. , 2020, 15, e0236512.		0
125	Title is missing!. , 2020, 15, e0236512.		0
126	Title is missing!. , 2020, 15, e0236512.		0