

# Osamu Togao

## List of Publications by Year in descending order

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Version: 2024-02-01

126  
papers

3,369  
citations

186265

28  
h-index

161849

54  
g-index

128  
all docs

128  
docs citations

128  
times ranked

4439  
citing authors

#	ARTICLE	IF	CITATIONS
1	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. <i>Dentomaxillofacial Radiology</i> , 2022, 51, 20200609.	2.7	0
2	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. <i>Magnetic Resonance Imaging</i> , 2022, 85, 287-296.	1.8	3
3	Increased functional connectivity between presupplementary motor area and inferior frontal gyrus associated with the ability of motor response inhibition in obsessive-compulsive disorder. <i>Human Brain Mapping</i> , 2022, 43, 974-984.	3.6	25
4	A deep convolutional neural network-based automatic detection of brain metastases with and without blood vessel suppression. <i>European Radiology</i> , 2022, 32, 2998-3005.	4.5	11
5	Abnormal white matter structure in hoarding disorder. <i>Journal of Psychiatric Research</i> , 2022, 148, 1-8.	3.1	3
6	Alterations of default mode and cingulo-opercular salience network and frontostriatal circuit: A candidate endophenotype of obsessive-compulsive disorder. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2022, 116, 110516.	4.8	13
7	Gamma distribution model of diffusion MRI for evaluating the isocitrate dehydrogenase mutation status of glioblastomas. <i>British Journal of Radiology</i> , 2022, 95, 20210392.	2.2	0
8	Changes in the Relapse Pattern and Prognosis of Glioblastoma After Approval of First-Line Bevacizumab: A Single-Center Retrospective Study. <i>World Neurosurgery</i> , 2022, 159, e479-e487.	1.3	2
9	Vessel-Selective 4D-MRA Using Superselective Pseudocontinuous Arterial Spin-Labeling with Keyhole and View-Sharing for Visualizing Intracranial Dural AVFs. <i>American Journal of Neuroradiology</i> , 2022, 43, 368-375.	2.4	6
10	Review and consensus recommendations on clinical APT-weighted imaging approaches at 3T: Application to brain tumors. <i>Magnetic Resonance in Medicine</i> , 2022, 88, 546-574.	3.0	79
11	Three-dimensional chemical exchange saturation transfer imaging using compressed SENSE for full z-spectrum acquisition. <i>Magnetic Resonance Imaging</i> , 2022, 92, 58-66.	1.8	2
12	Quantitative relaxometry using synthetic MRI could be better than T2-FLAIR mismatch sign for differentiation of IDH-mutant gliomas: a pilot study. <i>Scientific Reports</i> , 2022, 12, .	3.3	4
13	Diagnostic accuracy for the epileptogenic zone detection in focal epilepsy could be higher in FDG-PET/MRI than in FDG-PET/CT. <i>European Radiology</i> , 2021, 31, 2915-2922.	4.5	18
14	Optimization of the refocusing flip angle in the characterization of cerebrospinal fluid dynamics using multi-spin echo acquisition cine imaging (MUSACI). <i>Magnetic Resonance Imaging</i> , 2021, 76, 87-95.	1.8	0
15	The application of a gamma distribution model to diffusion-weighted images of the orofacial region. <i>Dentomaxillofacial Radiology</i> , 2021, 50, 20200252.	2.7	2
16	Lower Hippocampal Volume in Patients with Schizophrenia and Bipolar Disorder: A Quantitative MRI Study. <i>Journal of Personalized Medicine</i> , 2021, 11, 121.	2.5	5
17	Clinical significance of <i>CDKN2A</i> homozygous deletion in combination with methylated <i>MGMT</i> status for IDH-wildtype glioblastoma. <i>Cancer Medicine</i> , 2021, 10, 3177-3187.	2.8	21
18	Aberrant Resting-State Cerebellar-Cerebral Functional Connectivity in Unmedicated Patients With Obsessive-Compulsive Disorder. <i>Frontiers in Psychiatry</i> , 2021, 12, 659616.	2.6	12

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19	Papillary craniopharyngioma coexisting with an intratumoral abscess in a pediatric patient: A case report and review of the literature. <i>Acta Radiologica Open</i> , 2021, 10, 205846012110306.	0.6	1
20	Volumetric study reveals the relationship between outcome and early radiographic response during bevacizumab-containing chemoradiotherapy for unresectable glioblastoma. <i>Journal of Neuro-Oncology</i> , 2021, 154, 187-196.	2.9	8
21	Alveolar soft part sarcoma of the orbit: A case report. <i>Radiology Case Reports</i> , 2021, 16, 3766-3771.	0.6	2
22	Neuroanatomical substrate of chronic psychosis in epilepsy: an MRI study. <i>Brain Imaging and Behavior</i> , 2020, 14, 1382-1387.	2.1	9
23	Comparison of image quality of head and neck lesions between 3D gradient echo sequences with compressed sensing and the multi-slice spin echo sequence. <i>Acta Radiologica Open</i> , 2020, 9, 205846012095664.	0.6	3
24	Vessel-selective 4D-MR angiography using super-selective pseudo-continuous arterial spin labeling may be a useful tool for assessing brain AVM hemodynamics. <i>European Radiology</i> , 2020, 30, 6452-6463.	4.5	20
25	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). <i>Magnetic Resonance Imaging</i> , 2020, 73, 15-22.	1.8	5
26	Disconnection of the right superior parietal lobule from the precuneus is associated with memory impairment in oldest-old Alzheimer's disease patients. <i>Heliyon</i> , 2020, 6, e04516.	3.2	13
27	A voxel-based analysis of cerebral blood flow abnormalities in obsessive-compulsive disorder using pseudo-continuous arterial spin labeling MRI. <i>PLoS ONE</i> , 2020, 15, e0236512.	2.5	2
28	Correlations of amide proton transfer-weighted MRI of cerebral infarction with clinico-radiological findings. <i>PLoS ONE</i> , 2020, 15, e0237358.	2.5	11
29	Differentiation of high-grade from low-grade diffuse gliomas using diffusion-weighted imaging: a comparative study of mono-, bi-, and stretched-exponential diffusion models. <i>Neuroradiology</i> , 2020, 62, 815-823.	2.2	12
30	Spiral T1 Spin-Echo for Routine Postcontrast Brain MRI Exams: A Multicenter Multireader Clinical Evaluation. <i>American Journal of Neuroradiology</i> , 2020, 41, 238-245.	2.4	17
31	First-line bevacizumab contributes to survival improvement in glioblastoma patients complementary to temozolomide. <i>Journal of Neuro-Oncology</i> , 2020, 146, 451-458.	2.9	16
32	Contribution of cortical lesions to cognitive impairment in Japanese patients with multiple sclerosis. <i>Scientific Reports</i> , 2020, 10, 5228.	3.3	3
33	Amide proton transfer (APT) imaging of parotid tumors: Differentiation of malignant and benign tumors. <i>European Journal of Radiology</i> , 2020, 129, 109047.	2.6	12
34	Gamma distribution model of diffusion MRI for the differentiation of primary central nerve system lymphomas and glioblastomas. <i>PLoS ONE</i> , 2020, 15, e0243839.	2.5	2
35	Neurophysiological Face Processing Deficits in Patients With Chronic Schizophrenia: An MEG Study. <i>Frontiers in Psychiatry</i> , 2020, 11, 554844.	2.6	6
36	Title is missing!. , 2020, 15, e0237358.		0

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37	Title is missing!. , 2020, 15, e0237358.		0
38	Title is missing!. , 2020, 15, e0237358.		0
39	Title is missing!. , 2020, 15, e0237358.		0
40	Title is missing!. , 2020, 15, e0237358.		0
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48	Title is missing!. , 2020, 15, e0236512.		0
49	Title is missing!. , 2020, 15, e0236512.		0
50	Title is missing!. , 2020, 15, e0236512.		0
51	Amide proton transfer imaging to predict tumor response to neoadjuvant chemotherapy in locally advanced rectal cancer. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2019, 34, 140-146.	2.8	28
52	Dysfunction between dorsal caudate and salience network associated with impaired cognitive flexibility in obsessive-compulsive disorder: A resting-state fMRI study. <i>NeuroImage: Clinical</i> , 2019, 24, 102004.	2.7	21
53	Relevance of calcification and contrast enhancement pattern for molecular diagnosis and survival prediction of gliomas based on the 2016 World Health Organization Classification. <i>Clinical Neurology and Neurosurgery</i> , 2019, 187, 105556.	1.4	7
54	Intravoxel Incoherent Motion MR Imaging of Pediatric Intracranial Tumors: Correlation with Histology and Diagnostic Utility. <i>American Journal of Neuroradiology</i> , 2019, 40, 878-884.	2.4	16

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55	Acceleration-selective arterial spin labeling MR angiography for visualization of brain arteriovenous malformations. <i>Neuroradiology</i> , 2019, 61, 979-989.	2.2	10
56	Visualization of cerebrospinal fluid dynamics using multi-echo spin echo acquisition cine imaging (MUSACI). <i>Magnetic Resonance in Medicine</i> , 2019, 81, 331-341.	3.0	3
57	Robust visualization of middle cerebral artery main trunk by enhanced acceleration-selective arterial spin labeling (eAccASL) for intracranial MRA. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 3185-3191.	3.0	2
58	Improved Visualization of Middle Ear Cholesteatoma with Computed Diffusion-weighted Imaging. <i>Magnetic Resonance in Medical Sciences</i> , 2019, 18, 233-237.	2.0	3
59	<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. <i>Magnetic Resonance in Medical Sciences</i> , 2019, 18, 142-149.	2.0	5
60	Simultaneous MR neurography and apparent T2 mapping in brachial plexus: Evaluation of patients with chronic inflammatory demyelinating polyradiculoneuropathy. <i>Magnetic Resonance Imaging</i> , 2019, 55, 112-117.	1.8	16
61	Functional connectivity change between posterior cingulate cortex and ventral attention network relates to the impairment of orientation for time in Alzheimer's disease patients. <i>Brain Imaging and Behavior</i> , 2019, 13, 154-161.	2.1	27
62	Arterial spin-labeling is useful for the diagnosis of residual or recurrent meningiomas. <i>European Radiology</i> , 2018, 28, 4334-4342.	4.5	10
63	Usefulness of perfusion- and diffusion-weighted imaging to differentiate between pilocytic astrocytomas and high-grade gliomas: a multicenter study in Japan. <i>Neuroradiology</i> , 2018, 60, 391-401.	2.2	14
64	Non-contrast enhanced 4D intracranial MR angiography based on pseudo-continuous arterial spin labeling with the keyhole and view-sharing technique. <i>Magnetic Resonance in Medicine</i> , 2018, 80, 719-725.	3.0	16
65	Measurement of the perfusion fraction in brain tumors with intravoxel incoherent motion MR imaging: validation with histopathological vascular density in meningiomas. <i>British Journal of Radiology</i> , 2018, 91, 20170912.	2.2	25
66	HLA-DRB1*04:05 allele is associated with intracortical lesions on three-dimensional double inversion recovery images in Japanese patients with multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2018, 24, 710-720.	3.0	13
67	High Resolution Diffusion-Weighted Imaging for Solitary Orbital Tumors. <i>Clinical Neuroradiology</i> , 2018, 28, 261-266.	1.9	8
68	Amide Proton Transfer MR Imaging of Endometrioid Endometrial Adenocarcinoma: Association with Histologic Grade. <i>Radiology</i> , 2018, 286, 909-917.	7.3	57
69	Acceleration-selective Arterial Spin-labeling MR Angiography Used to Visualize Distal Cerebral Arteries and Collateral Vessels in Moyamoya Disease. <i>Radiology</i> , 2018, 286, 611-621.	7.3	26
70	Calcium pyrophosphate dihydrate crystal deposition disease of the spinal dura mater: a case report. <i>BJR   case Reports</i> , 2018, 4, 20170049.	0.2	4
71	Diffusivity of intraorbital lymphoma vs. inflammation: comparison of single shot turbo spin echo and multishot echo planar imaging techniques. <i>European Radiology</i> , 2018, 28, 325-330.	4.5	22
72	Clinical efficacy of simplified intravoxel incoherent motion imaging using three b-values for differentiating high- and low-grade gliomas. <i>PLoS ONE</i> , 2018, 13, e0209796.	2.5	9

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73	Ultrahigh-resolution CT scan of the temporal bone. <i>European Archives of Oto-Rhino-Laryngology</i> , 2018, 275, 2797-2803.	1.6	37
74	Lumbar plexus in patients with chronic inflammatory demyelinating polyradiculoneuropathy: evaluation with simultaneous T <sub>2</sub> mapping and neurography method with SHINKEI. <i>British Journal of Radiology</i> , 2018, 91, 20180501.	2.2	12
75	A unique increase in prefrontal gray matter volume in hoarding disorder compared to obsessive-compulsive disorder. <i>PLoS ONE</i> , 2018, 13, e0200814.	2.5	12
76	Amide proton transfer imaging can predict tumor grade in rectal cancer. <i>Magnetic Resonance Imaging</i> , 2018, 51, 96-103.	1.8	35
77	A Qualitative and Quantitative Correlation Study of Lumbar Intervertebral Disc Degeneration Using Glycosaminoglycan Chemical Exchange Saturation Transfer, Pfirrmann Grade, and T1-ρ. <i>American Journal of Neuroradiology</i> , 2018, 39, 1369-1375.	2.4	16
78	4D ASL-based MR angiography for visualization of distal arteries and leptomeningeal collateral vessels in moyamoya disease: a comparison of techniques. <i>European Radiology</i> , 2018, 28, 4871-4881.	4.5	25
79	Grading diffuse gliomas without intense contrast enhancement by amide proton transfer MR imaging: comparisons with diffusion- and perfusion-weighted imaging. <i>European Radiology</i> , 2017, 27, 578-588.	4.5	90
80	Evaluation of chronic inflammatory demyelinating polyneuropathy: 3D nerve-sheath signal increased with inked rest-tissue rapid acquisition of relaxation enhancement imaging (3D SHINKEI). <i>European Radiology</i> , 2017, 27, 447-453.	4.5	31
81	Additive value of œototomography-weighted images for the CT diagnosis of fenestral otosclerosis. <i>Acta Radiologica</i> , 2017, 58, 1215-1221.	1.1	3
82	Amide proton transfer imaging of brain tumors using a self-corrected 3D fast spin-echo dixon method: Comparison With separate B <sub>0</sub> correction. <i>Magnetic Resonance in Medicine</i> , 2017, 77, 2272-2279.	3.0	68
83	Prevalence and clinicopathological features of H3.3 G34-mutant high-grade gliomas: a retrospective study of 411 consecutive glioma cases in a single institution. <i>Brain Tumor Pathology</i> , 2017, 34, 103-112.	1.7	69
84	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). <i>European Journal of Radiology</i> , 2017, 93, 95-99.	2.6	17
85	Correlation between arterial spin-labeling perfusion and histopathological vascular density of pediatric intracranial tumors. <i>Journal of Neuro-Oncology</i> , 2017, 135, 561-569.	2.9	25
86	Spindle cell/sclerosing rhabdomyosarcoma with intracranial invasion without destroying the bone of the skull base: a case report and literature review. <i>Acta Radiologica Open</i> , 2017, 6, 205846011772731.	0.6	1
87	Structural changes in Parkinson's disease: voxel-based morphometry and diffusion tensor imaging analyses based on 123I-MIBG uptake. <i>European Radiology</i> , 2017, 27, 5073-5079.	4.5	6
88	Acceleration-selective arterial spin labeling for intracranial MR angiography with improved visualization of cortical arteries and suppression of cortical veins. <i>Magnetic Resonance in Medicine</i> , 2017, 77, 1996-2004.	3.0	13
89	Glycosaminoglycan chemical exchange saturation transfer in human lumbar intervertebral discs: Effect of saturation pulse and relationship with low back pain. <i>Journal of Magnetic Resonance Imaging</i> , 2017, 45, 863-871.	3.4	13
90	Cerebral blood flow laterality derived from arterial spin labeling as a biomarker for assessing the disease severity of parkinson's disease. <i>Journal of Magnetic Resonance Imaging</i> , 2017, 45, 1821-1826.	3.4	10

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91	Primary phosphaturic mesenchymal tumour of the lumbar spine: utility of <sup>68</sup> Ga-DOTATOC PET/CT findings. <i>BJR   case Reports</i> , 2016, 2, 20150497.	0.2	7
92	Correlating Function and Imaging Measures of the Medial Longitudinal Fasciculus. <i>PLoS ONE</i> , 2016, 11, e0147863.	2.5	4
93	Amide Proton Transfer Imaging of Diffuse Gliomas: Effect of Saturation Pulse Length in Parallel Transmission-Based Technique. <i>PLoS ONE</i> , 2016, 11, e0155925.	2.5	30
94	Diagnostic utility of intravoxel incoherent motion mr imaging in differentiating primary central nervous system lymphoma from glioblastoma multiforme. <i>Journal of Magnetic Resonance Imaging</i> , 2016, 44, 1256-1261.	3.4	35
95	Sequential morphological change of Chiari malformation type II following surgical repair of myelomeningocele. <i>Child's Nervous System</i> , 2016, 32, 1069-1078.	1.1	7
96	3D turbo field echo with diffusion-sensitized driven-equilibrium preparation technique (DSDE-TFE) versus echo planar imaging in evaluation of diffusivity of retinoblastoma. <i>British Journal of Radiology</i> , 2016, 89, 20160074.	2.2	5
97	Evaluation of glioblastomas and lymphomas with whole-brain CT perfusion: Comparison between a delay-invariant singular-value decomposition algorithm and a Patlak plot. <i>Journal of Neuroradiology</i> , 2016, 43, 266-272.	1.1	9
98	Evaluation of diffusivity in pituitary adenoma: 3D turbo field echo with diffusion-sensitized driven-equilibrium preparation. <i>British Journal of Radiology</i> , 2016, 89, 20150755.	2.2	7
99	Amide proton transfer (APT) magnetic resonance imaging of prostate cancer: comparison with Gleason scores. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2016, 29, 671-679.	2.0	42
100	MR Imaging-Based Analysis of Glioblastoma Multiforme: Estimation of IDH1 Mutation Status. <i>American Journal of Neuroradiology</i> , 2016, 37, 58-65.	2.4	109
101	Nanoparticle facilitated inhalational delivery of erythropoietin receptor cDNA protects against hyperoxic lung injury. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2016, 12, 811-821.	3.3	29
102	Effect of the saturation pulse duration on chemical exchange saturation transfer in amide proton transfer MR imaging: a phantom study. <i>Radiological Physics and Technology</i> , 2016, 9, 15-21.	1.9	11
103	Differentiation of high-grade and low-grade diffuse gliomas by intravoxel incoherent motion MR imaging. <i>Neuro-Oncology</i> , 2016, 18, 132-141.	1.2	109
104	Pure dysarthria and dysarthria-facial paresis syndrome due to internal capsule and/or corona radiata infarction. <i>BMC Neurology</i> , 2015, 15, 184.	1.8	7
105	Biological heterogeneity of obsessive-compulsive disorder: A voxel-based morphometric study based on dimensional assessment. <i>Psychiatry and Clinical Neurosciences</i> , 2015, 69, 411-421.	1.8	41
106	Scan-rescan reproducibility of parallel transmission based amide proton transfer imaging of brain tumors. <i>Journal of Magnetic Resonance Imaging</i> , 2015, 42, 1346-1353.	3.4	41
107	High-resolution three-dimensional diffusion-weighted MRI/CT image data fusion for cholesteatoma surgical planning: a feasibility study. <i>European Archives of Oto-Rhino-Laryngology</i> , 2015, 272, 3821-3824.	1.6	22
108	Additional MR contrast dosage for radiologists' diagnostic performance in detecting brain metastases: a systematic observer study at 3 T. <i>Japanese Journal of Radiology</i> , 2014, 32, 537-544.	2.4	12

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109	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
110	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
111	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
112	Amide proton transfer imaging of adult diffuse gliomas: correlation with histopathological grades. Neuro-Oncology, 2014, 16, 441-448.	1.2	312
113	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
114	Balloon test occlusion of internal carotid artery: Angiographic findings predictive of results. World Journal of Radiology, 2014, 6, 619.	1.1	26
115	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
116	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
117	Arterial spin labeling of hemangioblastoma: differentiation from metastatic brain tumors based on quantitative blood flow measurement. Neuroradiology, 2012, 54, 809-813.	2.2	29
118	Klotho Inhibits Transforming Growth Factor- $\beta$ 21 (TGF- $\beta$ 21) Signaling and Suppresses Renal Fibrosis and Cancer Metastasis in Mice. Journal of Biological Chemistry, 2011, 286, 8655-8665.	3.4	453
119	Ventilation/perfusion imaging of the lung using ultra-short echo time (UTE) MRI in an animal model of pulmonary embolism. Journal of Magnetic Resonance Imaging, 2011, 34, 539-546.	3.4	43
120	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
121	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
122	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
123	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
124	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
125	Percutaneous vertebroplasty in the treatment of pain caused by metastatic tumor. Fukuoka Acta Medica, 2005, 96, 93-9.	0.1	0
126	Prevalence of Stenoocclusive Lesions in the Renal and Abdominal Arteries in Moyamoya Disease. American Journal of Roentgenology, 2004, 183, 119-122.	2.2	53