

# Marco Essig

## List of Publications by Citations

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190  
papers

7,643  
citations

52  
h-index

77  
g-index

209  
ext. papers

8,678  
ext. citations

5.6  
avg, IF

5.31  
L-index

#	Paper	IF	Citations
190	Perfusion MRI: the five most frequently asked technical questions. <i>American Journal of Roentgenology</i> , <b>2013</b> , 200, 24-34	5.4	225
189	Stereotactic fractionated radiotherapy for chordomas and chondrosarcomas of the skull base. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2000</b> , 47, 591-6	4	215
188	Dominant-negative inhibition of the Axl receptor tyrosine kinase suppresses brain tumor cell growth and invasion and prolongs survival. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 5799-804	11.5	200
187	Neutralization of CD95 ligand promotes regeneration and functional recovery after spinal cord injury. <i>Nature Medicine</i> , <b>2004</b> , 10, 389-95	50.5	177
186	3D radial projection technique with ultrashort echo times for sodium MRI: clinical applications in human brain and skeletal muscle. <i>Magnetic Resonance in Medicine</i> , <b>2007</b> , 57, 74-81	4.4	148
185	Physical training improves motor performance in people with dementia: a randomized controlled trial. <i>Journal of the American Geriatrics Society</i> , <b>2012</b> , 60, 8-15	5.6	140
184	Renal artery stenosis: grading of hemodynamic changes with cine phase-contrast MR blood flow measurements. <i>Radiology</i> , <b>1997</b> , 203, 45-53	20.5	126
183	Renal arteries: optimization of three-dimensional gadolinium-enhanced MR angiography with bolus-timing-independent fast multiphase acquisition in a single breath hold. <i>Radiology</i> , <b>1999</b> , 211, 667-79	20.5	123
182	Plasticity of cortical activation related to working memory during training. <i>American Journal of Psychiatry</i> , <b>2004</b> , 161, 745-7	11.9	122
181	Motor dysfunction and sensorimotor cortex activation changes in schizophrenia: A study with functional magnetic resonance imaging. <i>NeuroImage</i> , <b>1999</b> , 9, 81-7	7.9	122
180	Reduced cerebellar volume and neurological soft signs in first-episode schizophrenia. <i>Psychiatry Research - Neuroimaging</i> , <b>2005</b> , 140, 239-50	2.9	120
179	Reduced prefrontal and orbitofrontal gray matter in female adolescents with borderline personality disorder: is it disorder specific?. <i>NeuroImage</i> , <b>2010</b> , 49, 114-20	7.9	111
178	Quantitative magnetic resonance imaging in geriatric depression and primary degenerative dementia. <i>Journal of Affective Disorders</i> , <b>1997</b> , 42, 69-83	6.6	110
177	e-ASPECTS software is non-inferior to neuroradiologists in applying the ASPECT score to computed tomography scans of acute ischemic stroke patients. <i>International Journal of Stroke</i> , <b>2017</b> , 12, 615-622	6.3	104
176	Influence of human serum albumin on longitudinal and transverse relaxation rates (r1 and r2) of magnetic resonance contrast agents. <i>Investigative Radiology</i> , <b>2006</b> , 41, 222-8	10.1	100
175	Hypersensitivity in borderline personality disorder during mindreading. <i>PLoS ONE</i> , <b>2012</b> , 7, e41650	3.7	99
174	Morphologic and functional magnetic resonance imaging of renal artery stenosis: a multireader tricenter study. <i>Journal of the American Society of Nephrology: JASN</i> , <b>2002</b> , 13, 158-169	12.7	96

173	Assessment of tumor microcirculation: a new role of dynamic contrast MR imaging. <i>Journal of Magnetic Resonance Imaging</i> , <b>1997</b> , 7, 111-9	5.6	93
172	High-resolution venography of the brain using magnetic resonance imaging. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , <b>1998</b> , 6, 62-9	2.8	92
171	Radiation-induced regional cerebral blood volume (rCBV) changes in normal brain and low-grade astrocytomas: quantification and time and dose-dependent occurrence. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2000</b> , 48, 53-8	4	92
170	Assessment of brain metastases with dynamic susceptibility-weighted contrast-enhanced MR imaging: initial results. <i>Radiology</i> , <b>2003</b> , 228, 193-9	20.5	91
169	Reduced olfactory bulb and tract volume in early Alzheimer's disease--a MRI study. <i>Neurobiology of Aging</i> , <b>2009</b> , 30, 838-41	5.6	86
168	MR microcirculation assessment in cervical cancer: correlations with histomorphological tumor markers and clinical outcome. <i>Journal of Magnetic Resonance Imaging</i> , <b>1999</b> , 10, 267-76	5.6	86
167	Assessment of irradiated brain metastases by means of arterial spin-labeling and dynamic susceptibility-weighted contrast-enhanced perfusion MRI: initial results. <i>Investigative Radiology</i> , <b>2004</b> , 39, 277-87	10.1	84
166	Tumor angiogenesis of low-grade astrocytomas measured by dynamic susceptibility contrast-enhanced MRI (DSC-MRI) is predictive of local tumor control after radiation therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2001</b> , 51, 478-82	4	80
165	Cerebral gliomas and metastases: assessment with contrast-enhanced fast fluid-attenuated inversion-recovery MR imaging. <i>Radiology</i> , <b>1999</b> , 210, 551-7	20.5	80
164	Primary and secondary brain tumors at MR imaging: bicentric intraindividual crossover comparison of gadobenate dimeglumine and gadopentetate dimeglumine. <i>Radiology</i> , <b>2004</b> , 230, 55-64	20.5	78
163	Hippocampal volume and 2-year outcome in depression. <i>British Journal of Psychiatry</i> , <b>2008</b> , 192, 472-3	5.4	77
162	Laser ablation after stereotactic radiosurgery: a multicenter prospective study in patients with metastatic brain tumors and radiation necrosis. <i>Journal of Neurosurgery</i> , <b>2018</b> , 130, 804-811	3.2	77
161	Principles of T2 *-weighted dynamic susceptibility contrast MRI technique in brain tumor imaging. <i>Journal of Magnetic Resonance Imaging</i> , <b>2015</b> , 41, 296-313	5.6	76
160	High-resolution MR venography of cerebral arteriovenous malformations. <i>Magnetic Resonance Imaging</i> , <b>1999</b> , 17, 1417-25	3.3	76
159	The cerebellum in mild cognitive impairment and Alzheimer's disease - a structural MRI study. <i>Journal of Psychiatric Research</i> , <b>2008</b> , 42, 1198-202	5.2	75
158	Morphology, metabolism, microcirculation, and strength of skeletal muscles in cancer-related cachexia. <i>Acta Oncologica</i> , <b>2009</b> , 48, 116-24	3.2	73
157	Parahippocampal volume deficits in subjects with aging-associated cognitive decline. <i>American Journal of Psychiatry</i> , <b>2003</b> , 160, 379-82	11.9	73
156	Contrast enhancement of central nervous system lesions: multicenter intraindividual crossover comparative study of two MR contrast agents. <i>Radiology</i> , <b>2006</b> , 240, 389-400	20.5	72

155	Perfusion MRI: the five most frequently asked clinical questions. <i>American Journal of Roentgenology</i> , <b>2013</b> , 201, W495-510	5.4	71
154	Quantitative magnetic resonance imaging and neuropsychological functions in dementia of the Alzheimer type. <i>Psychological Medicine</i> , <b>1997</b> , 27, 221-9	6.9	70
153	Comparison of arterial spin-labeling techniques and dynamic susceptibility-weighted contrast-enhanced MRI in perfusion imaging of normal brain tissue. <i>Investigative Radiology</i> , <b>2003</b> , 38, 712-8	10.1	68
152	Pathologic skeletal muscle perfusion in patients with myositis: detection with quantitative contrast-enhanced US--initial results. <i>Radiology</i> , <b>2006</b> , 238, 640-9	20.5	65
151	Characterization and therapy monitoring of head and neck carcinomas using diffusion-imaging-based intravoxel incoherent motion parameters--preliminary results. <i>Neuroradiology</i> , <b>2013</b> , 55, 527-36	3.2	64
150	Cervical carcinoma: comparison of standard and pharmacokinetic MR imaging. <i>Radiology</i> , <b>1996</b> , 201, 531-9	6.5	63
149	Diffusion tensor imaging in primary brain tumors: reproducible quantitative analysis of corpus callosum infiltration and contralateral involvement using a probabilistic mixture model. <i>NeuroImage</i> , <b>2006</b> , 31, 531-42	7.9	63
148	Prediction of treatment response in head and neck carcinomas using IVIM-DWI: Evaluation of lymph node metastasis. <i>European Journal of Radiology</i> , <b>2014</b> , 83, 783-7	4.7	62
147	Radiation-induced changes of brain tissue after radiosurgery in patients with arteriovenous malformations: correlation with dose distribution parameters. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2004</b> , 59, 796-808	4	62
146	Cerebellar substructures and neurological soft signs in first-episode schizophrenia. <i>Psychiatry Research - Neuroimaging</i> , <b>2009</b> , 173, 83-7	2.9	59
145	MRI-derived atrophy of the olfactory bulb and tract in mild cognitive impairment and Alzheimer's disease. <i>Journal of Alzheimer's Disease</i> , <b>2009</b> , 17, 213-21	4.3	58
144	Hippocampal volume in first episode and recurrent depression. <i>Psychiatry Research - Neuroimaging</i> , <b>2009</b> , 174, 62-6	2.9	58
143	Neurological soft signs and gray matter changes: a longitudinal analysis in first-episode schizophrenia. <i>Schizophrenia Research</i> , <b>2012</b> , 134, 27-32	3.6	56
142	Brain magnetic resonance imaging CO2 stress testing in adolescent postconcussion syndrome. <i>Journal of Neurosurgery</i> , <b>2016</b> , 125, 648-60	3.2	54
141	Fast fluid-attenuated inversion-recovery (FLAIR) MRI in the assessment of intraaxial brain tumors. <i>Journal of Magnetic Resonance Imaging</i> , <b>1998</b> , 8, 789-98	5.6	54
140	The use of the multislice CT for the determination of respiratory lung tumor movement in stereotactic single-dose irradiation. <i>Strahlentherapie Und Onkologie</i> , <b>2003</b> , 179, 542-7	4.3	53
139	Hepatic lesions: morphologic and functional characterization with multiphase breath-hold 3D gadolinium-enhanced MR angiography--initial results. <i>Radiology</i> , <b>1999</b> , 210, 89-96	20.5	53
138	Neurological signs and morphological cerebral changes in schizophrenia: An analysis of NSS subscales in patients with first episode psychosis. <i>Psychiatry Research - Neuroimaging</i> , <b>2011</b> , 192, 69-76	2.9	52

137	Quantification of perfusion of liver tissue and metastases using a multivessel model for replenishment kinetics of ultrasound contrast agents. <i>Ultrasound in Medicine and Biology</i> , <b>2004</b> , 30, 1355-63	3.5	51
136	Comparison of grey matter volume and thickness for analysing cortical changes in chronic schizophrenia: a matter of surface area, grey/white matter intensity contrast, and curvature. <i>Psychiatry Research - Neuroimaging</i> , <b>2015</b> , 231, 176-83	2.9	50
135	Morphological cerebral correlates of CERAD test performance in mild cognitive impairment and Alzheimer's disease. <i>Journal of Alzheimer's Disease</i> , <b>2011</b> , 23, 411-20	4.3	50
134	Biopsy targeting gliomas: do functional imaging techniques identify similar target areas?. <i>Investigative Radiology</i> , <b>2010</b> , 45, 755-68	10.1	49
133	Topography of callosal atrophy reflects distribution of regional cerebral volume reduction in Alzheimer's disease. <i>Psychiatry Research - Neuroimaging</i> , <b>1999</b> , 90, 181-92	2.9	49
132	Unusual burns of the lower extremities caused by a closed conducting loop in a patient at MR imaging. <i>Radiology</i> , <b>1996</b> , 200, 572-5	20.5	48
131	Staging of invasive cervical carcinoma and of pelvic lymph nodes by high resolution MRI with a phased-array coil in comparison with pathological findings. <i>Journal of Computer Assisted Tomography</i> , <b>1998</b> , 22, 75-81	2.2	48
130	Clock drawing performance and brain morphology in mild cognitive impairment and Alzheimer's disease. <i>Brain and Cognition</i> , <b>2008</b> , 67, 88-93	2.7	47
129	Contrast-enhanced magnetic resonance imaging of central nervous system tumors: agents, mechanisms, and applications. <i>Topics in Magnetic Resonance Imaging</i> , <b>2006</b> , 17, 89-106	2.3	47
128	High-relaxivity contrast-enhanced magnetic resonance neuroimaging: a review. <i>European Radiology</i> , <b>2010</b> , 20, 2461-74	8	46
127	Pelvic lesions in patients with treated cervical carcinoma: efficacy of pharmacokinetic analysis of dynamic MR images in distinguishing recurrent tumors from benign conditions. <i>American Journal of Roentgenology</i> , <b>1996</b> , 166, 401-8	5.4	46
126	Cerebral changes and cerebrospinal fluid beta-amyloid in Alzheimer's disease: a study with quantitative magnetic resonance imaging. <i>Molecular Psychiatry</i> , <b>1997</b> , 2, 505-7	15.1	46
125	Contrast-enhanced ultrasound in dermatomyositis- and polymyositis. <i>Journal of Neurology</i> , <b>2006</b> , 253, 1625-32	5.5	46
124	Pharmacokinetic MRI for assessment of malignant glioma response to stereotactic radiotherapy: initial results. <i>Journal of Magnetic Resonance Imaging</i> , <b>1998</b> , 8, 783-8	5.6	44
123	Intraindividual comparison of gadobenate dimeglumine and gadobutrol for cerebral magnetic resonance perfusion imaging at 1.5 T. <i>Investigative Radiology</i> , <b>2006</b> , 41, 256-63	10.1	44
122	Intracranial meningiomas: time- and dose-dependent effects of irradiation on tumor microcirculation monitored by dynamic MR imaging. <i>Magnetic Resonance Imaging</i> , <b>1997</b> , 15, 423-32	3.3	43
121	Gadofluorine m uptake in stem cells as a new magnetic resonance imaging tracking method: an in vitro and in vivo study. <i>Investigative Radiology</i> , <b>2006</b> , 41, 868-73	10.1	43
120	Neuroimaging findings in pediatric sports-related concussion. <i>Journal of Neurosurgery: Pediatrics</i> , <b>2015</b> , 16, 241-7	2.1	42

119	Good clinical and MRI outcome after arthroscopic autologous chondrocyte implantation for cartilage repair in the knee. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , <b>2018</b> , 26, 831-839	5.5	42
118	In vivo quantification of brain volumes in subcortical vascular dementia and Alzheimer's disease. An MRI-based study. <i>Dementia and Geriatric Cognitive Disorders</i> , <b>1998</b> , 9, 309-16	2.6	41
117	Detection of IDH1 mutations in gliomatosis cerebri, but only in tumors with additional solid component: evidence for molecular subtypes. <i>Acta Neuropathologica</i> , <b>2010</b> , 120, 261-7	14.3	40
116	Structural changes of the corpus callosum in mild cognitive impairment and Alzheimer's disease. <i>Dementia and Geriatric Cognitive Disorders</i> , <b>2006</b> , 21, 215-20	2.6	40
115	Manganese-enhanced magnetic resonance imaging for in vivo assessment of damage and functional improvement following spinal cord injury in mice. <i>Magnetic Resonance in Medicine</i> , <b>2006</b> , 55, 1124-31	4.4	39
114	Comparison of diffusion anisotropy measurements in combination with the flair-technique. <i>Magnetic Resonance Imaging</i> , <b>1999</b> , 17, 705-16	3.3	39
113	Pharmacokinetic analysis of malignant pleural mesothelioma-initial results of tumor microcirculation and its correlation to microvessel density (CD-34). <i>Academic Radiology</i> , <b>2008</b> , 15, 563-70	4.3	38
112	Evaluation of patients with paramyotonia at <sup>23</sup> Na MR imaging during cold-induced weakness. <i>Radiology</i> , <b>2006</b> , 240, 489-500	20.5	37
111	Cerebrospinal fluid tau levels in Alzheimer's disease are elevated when compared with vascular dementia but do not correlate with measures of cerebral atrophy. <i>Psychiatry Research</i> , <b>2003</b> , 120, 231-8	9.9	37
110	Treatment monitoring in gliomas: comparison of dynamic susceptibility-weighted contrast-enhanced and spectroscopic MRI techniques for identifying treatment failure. <i>Investigative Radiology</i> , <b>2011</b> , 46, 390-400	10.1	36
109	Evaluation of intraaxial enhancing brain tumors on magnetic resonance imaging: intraindividual crossover comparison of gadobenate dimeglumine and gadopentetate dimeglumine for visualization and assessment, and implications for surgical intervention. <i>Journal of Neurosurgery</i> , <b>2007</b> , 106, 557-66	3.2	36
108	Comprehensive MR evaluation of renovascular disease in five breath holds. <i>Journal of Magnetic Resonance Imaging</i> , <b>1999</b> , 10, 347-56	5.6	36
107	Resting-State Functional Connectivity Magnetic Resonance Imaging and Outcome After Acute Stroke. <i>Stroke</i> , <b>2018</b> , 49, 2353-2360	6.7	35
106	Distribution of cerebral atrophy assessed by magnetic resonance imaging reflects patterns of neuropsychological deficits in Alzheimer's dementia. <i>Neuroscience Letters</i> , <b>2004</b> , 361, 17-20	3.3	33
105	Patient-Specific Alterations in CO Cerebrovascular Responsiveness in Acute and Sub-Acute Sports-Related Concussion. <i>Frontiers in Neurology</i> , <b>2018</b> , 9, 23	4.1	32
104	Low mechanical index contrast-enhanced ultrasound better reflects high arterial perfusion of liver metastases than arterial phase computed tomography. <i>Investigative Radiology</i> , <b>2004</b> , 39, 216-22	10.1	32
103	Cognitive function in patients with cerebral arteriovenous malformations after radiosurgery: prospective long-term follow-up. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>2002</b> , 54, 1430-7	4	30
102	Monitoring of task performance during functional magnetic resonance imaging of sensorimotor cortex at 1.5 T. <i>Magnetic Resonance Imaging</i> , <b>1996</b> , 14, 51-8	3.3	30



101	Hippocampal volume reduction and autobiographical memory deficits in chronic schizophrenia. <i>Psychiatry Research - Neuroimaging</i> , <b>2013</b> , 211, 189-94	2.9	29
100	Comparison of automated brain segmentation using a brain phantom and patients with early Alzheimer's dementia or mild cognitive impairment. <i>Psychiatry Research - Neuroimaging</i> , <b>2015</b> , 233, 299-305	2.9	29
99	Assessment of neuropsychological changes in patients with arteriovenous malformation (AVM) after radiosurgery. <i>International Journal of Radiation Oncology Biology Physics</i> , <b>1998</b> , 42, 995-9	4	29
98	Postoperative fluid-attenuated inversion recovery MR imaging of cerebral gliomas: initial results. <i>European Radiology</i> , <b>2001</b> , 11, 2004-10	8	28
97	Association of total tau and phosphorylated tau 181 protein levels in cerebrospinal fluid with cerebral atrophy in mild cognitive impairment and Alzheimer disease. <i>Journal of Psychiatry and Neuroscience</i> , <b>2009</b> , 34, 136-42	4.5	27
96	Longitudinal Brain Magnetic Resonance Imaging CO2 Stress Testing in Individual Adolescent Sports-Related Concussion Patients: A Pilot Study. <i>Frontiers in Neurology</i> , <b>2016</b> , 7, 107	4.1	26
95	Retirement-from-sport considerations following pediatric sports-related concussion: case illustrations and institutional approach. <i>Neurosurgical Focus</i> , <b>2016</b> , 40, E8	4.2	26
94	Intravoxel Incoherent Motion Metrics as Potential Biomarkers for Survival in Glioblastoma. <i>PLoS ONE</i> , <b>2016</b> , 11, e0158887	3.7	25
93	Abdominal aortic aneurysm. Detection of multilevel vascular pathology by time-resolved multiphase 3D gadolinium MR angiography: initial report. <i>Investigative Radiology</i> , <b>1999</b> , 34, 648-59	10.1	25
92	Life events and hippocampal volume in first-episode major depression. <i>Journal of Affective Disorders</i> , <b>2008</b> , 110, 241-7	6.6	24
91	From "Time is Brain" to "Imaging is Brain": A Paradigm Shift in the Management of Acute Ischemic Stroke. <i>Journal of Neuroimaging</i> , <b>2020</b> , 30, 562-571	2.8	23
90	Regional cerebral perfusion alterations in patients with mild cognitive impairment and Alzheimer disease using dynamic susceptibility contrast MRI. <i>Academic Radiology</i> , <b>2013</b> , 20, 705-11	4.3	23
89	Hippocampal morphology and autobiographic memory in mild cognitive impairment and Alzheimer's disease. <i>Current Alzheimer Research</i> , <b>2012</b> , 9, 507-15	3	23
88	Enhancing lesions of the brain: intraindividual crossover comparison of contrast enhancement after gadobenate dimeglumine versus established gadolinium comparators. <i>Academic Radiology</i> , <b>2006</b> , 13, 744-51	4.3	23
87	Radiation-induced changes of brain tissue after radiosurgery in patients with arteriovenous malformations: dose/volume-response relations. <i>Strahlentherapie Und Onkologie</i> , <b>2004</b> , 180, 758-67	4.3	23
86	Collateral Automation for Triage in Stroke: Evaluating Automated Scoring of Collaterals in Acute Stroke on Computed Tomography Scans. <i>Cerebrovascular Diseases</i> , <b>2019</b> , 47, 217-222	3.2	22
85	Intraindividual comparison between gadopentetate dimeglumine and gadobutrol for magnetic resonance perfusion in normal brain and intracranial tumors at 3 Tesla. <i>Acta Radiologica</i> , <b>2009</b> , 50, 521-30	3.0	22
84	Interleaved gradient echo planar (IGEPI) and phase contrast CINE-PC flow measurements in the renal artery. <i>Journal of Magnetic Resonance Imaging</i> , <b>1998</b> , 8, 889-95	5.6	22

83	Impaired cerebral glucose metabolism in prodromal Alzheimer's disease differs by regional intensity normalization. <i>Neuroscience Letters</i> , <b>2013</b> , 534, 12-7	3.3	21
82	Comparison of manual direct and automated indirect measurement of hippocampus using magnetic resonance imaging. <i>European Journal of Radiology</i> , <b>2008</b> , 66, 268-73	4.7	21
81	Multidisciplinary Management of Pediatric Sports-Related Concussion. <i>Canadian Journal of Neurological Sciences</i> , <b>2017</b> , 44, 24-34	1	20
80	Optimizing contrast-enhanced magnetic resonance imaging characterization of brain metastases: relevance to stereotactic radiosurgery. <i>Neurosurgery</i> , <b>2013</b> , 72, 691-701	3.2	20
79	3D reconstructions of the cerebral ventricles and volume quantification in children with brain malformations. <i>Academic Radiology</i> , <b>2009</b> , 16, 610-7	4.3	20
78	Gray matter alterations in first-admission adolescents with schizophrenia. <i>Journal of Neuroimaging</i> , <b>2011</b> , 21, 241-6	2.8	19
77	Partially resected gliomas: diagnostic performance of fluid-attenuated inversion recovery MR imaging for detection of progression. <i>Radiology</i> , <b>2010</b> , 254, 907-16	20.5	19
76	Apolipoprotein E polymorphism and brain morphology in mild cognitive impairment. <i>Dementia and Geriatric Cognitive Disorders</i> , <b>2008</b> , 26, 300-5	2.6	19
75	Hippocampal and entorhinal cortex volume decline in cognitively intact elderly. <i>Psychiatry Research - Neuroimaging</i> , <b>2013</b> , 211, 31-6	2.9	18
74	Magnetic resonance imaging using gadolinium-based contrast agents. <i>Topics in Magnetic Resonance Imaging</i> , <b>2014</b> , 23, 51-69	2.3	18
73	Use of contrast media in neuroimaging. <i>Magnetic Resonance Imaging Clinics of North America</i> , <b>2012</b> , 20, 633-48	1.6	18
72	Manganese enhanced magnetic resonance imaging in a contusion model of spinal cord injury in rats: correlation with motor function. <i>Investigative Radiology</i> , <b>2008</b> , 43, 277-83	10.1	18
71	Magnetic Resonance Imaging and Computed Tomography of the Brain-50 Years of Innovation, With a Focus on the Future. <i>Investigative Radiology</i> , <b>2015</b> , 50, 551-6	10.1	17
70	Reduced gray to white matter tissue intensity contrast in schizophrenia. <i>PLoS ONE</i> , <b>2012</b> , 7, e37016	3.7	17
69	Changes in AVM angio-architecture and hemodynamics after stereotactic radiosurgery assessed by dynamic MRA and phase contrast flow assessments: a prospective follow-up study. <i>European Radiology</i> , <b>2011</b> , 21, 1267-76	8	17
68	Serial MR imaging of intracranial metastases after radiosurgery. <i>Magnetic Resonance Imaging</i> , <b>1997</b> , 15, 1121-32	3.3	17
67	Arteriovenous malformations: assessment of gliotic and ischemic changes with fluid-attenuated inversion-recovery MRI. <i>Investigative Radiology</i> , <b>2000</b> , 35, 689-94	10.1	17
66	7 Tesla imaging of cerebral radiation necrosis after arteriovenous malformations treatment using amide proton transfer (APT) imaging. <i>Journal of Magnetic Resonance Imaging</i> , <b>2012</b> , 35, 1207-9	5.6	16



65	Multiphase magnetic resonance angiography of the abdominal and pelvic arteries: results of a bicenter multireader analysis. <i>Investigative Radiology</i> , <b>2002</b> , 37, 20-8	10.1	16
64	Percutaneous vascular intervention based on gadolinium-enhanced MR angiography. <i>Journal of Vascular and Interventional Radiology</i> , <b>2000</b> , 11, 739-46	2.4	16
63	MRI of capillary hemangioma of the testis. <i>Journal of Computer Assisted Tomography</i> , <b>1997</b> , 21, 402-4	2.2	16
62	Association of cortical thickness and neurological soft signs in patients with chronic schizophrenia and healthy controls. <i>Neuropsychobiology</i> , <b>2015</b> , 71, 225-33	4	15
61	Neuropsychology, autobiographical memory, and hippocampal volume in "younger" and "older" patients with chronic schizophrenia. <i>Frontiers in Psychiatry</i> , <b>2015</b> , 6, 53	5	15
60	Human brain tumor imaging with a protein-binding MR contrast agent: initial experience. <i>European Radiology</i> , <b>2010</b> , 20, 218-26	8	15
59	Improvement of auditory hallucinations and reduction of primary auditory area's activation following TMS. <i>European Journal of Radiology</i> , <b>2012</b> , 81, 1273-5	4.7	14
58	Contrast-enhanced magnetization transfer imaging: improvement of brain tumor conspicuity and delineation for radiosurgical target volume definition. <i>Radiotherapy and Oncology</i> , <b>1997</b> , 43, 261-7	5.3	13
57	Assessment of metabolism and microcirculation of healthy skeletal muscles by magnetic resonance and ultrasound techniques. <i>Journal of Neuroimaging</i> , <b>2007</b> , 17, 323-31	2.8	13
56	Assessment of cerebral gliomas by a new dark fluid sequence, high intensity REduction (HIRE): a preliminary study. <i>Journal of Magnetic Resonance Imaging</i> , <b>2000</b> , 11, 506-17	5.6	13
55	Contrast optimization of fluid-attenuated inversion-recovery (FLAIR) MR imaging in patients with high CSF blood or protein content. <i>Magnetic Resonance in Medicine</i> , <b>2000</b> , 43, 764-7	4.4	13
54	Traumatic Optic Neuropathy: A Potentially Unrecognized Diagnosis after Sports-Related Concussion. <i>Current Sports Medicine Reports</i> , <b>2016</b> , 15, 27-32	1.9	13
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52	Functional MR imaging of visual and motor cortex stimulation at high temporal resolution using a FLASH technique on a standard 1.5 Tesla scanner. <i>Magnetic Resonance Imaging</i> , <b>1996</b> , 14, 477-83	3.3	12
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