

# Marco Essig

## List of Publications by Year in descending order

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191  
papers

9,474  
citations

22153

59  
h-index

49909

87  
g-index

209  
all docs

209  
docs citations

209  
times ranked

10911  
citing authors

#	ARTICLE	IF	CITATIONS
1	Perfusion MRI: The Five Most Frequently Asked Technical Questions. American Journal of Roentgenology, 2013, 200, 24-34.	2.2	296
2	Stereotactic fractionated radiotherapy for chordomas and chondrosarcomas of the skull base. International Journal of Radiation Oncology Biology Physics, 2000, 47, 591-596.	0.8	259
3	Neutralization of CD95 ligand promotes regeneration and functional recovery after spinal cord injury. Nature Medicine, 2004, 10, 389-395.	30.7	217
4	Dominant-negative inhibition of the Axl receptor tyrosine kinase suppresses brain tumor cell growth and invasion and prolongs survival. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 5799-5804.	7.1	215
5	Perfusion MRI: The Five Most Frequently Asked Clinical Questions. American Journal of Roentgenology, 2013, 201, W495-W510.	2.2	181
6	Physical Training Improves Motor Performance in People with Dementia: A Randomized Controlled Trial. Journal of the American Geriatrics Society, 2012, 60, 8-15.	2.6	174
7	3D radial projection technique with ultrashort echo times for sodium MRI: Clinical applications in human brain and skeletal muscle. Magnetic Resonance in Medicine, 2007, 57, 74-81.	3.0	166
8	e-ASPECTS software is non-inferior to neuroradiologists in applying the ASPECT score to computed tomography scans of acute ischemic stroke patients. International Journal of Stroke, 2017, 12, 615-622.	5.9	154
9	Plasticity of Cortical Activation Related to Working Memory During Training. American Journal of Psychiatry, 2004, 161, 745-747.	7.2	148
10	Reduced cerebellar volume and neurological soft signs in first-episode schizophrenia. Psychiatry Research - Neuroimaging, 2005, 140, 239-250.	1.8	145
11	Renal artery stenosis: grading of hemodynamic changes with cine phase-contrast MR blood flow measurements.. Radiology, 1997, 203, 45-53.	7.3	143
12	Renal Arteries: Optimization of Three-dimensional Gadolinium-enhanced MR Angiography with Bolus-timing-independent Fast Multiphase Acquisition in a Single Breath Hold. Radiology, 1999, 211, 667-679.	7.3	137
13	Motor Dysfunction and Sensorimotor Cortex Activation Changes in Schizophrenia: A Study with Functional Magnetic Resonance Imaging. Neurolmage, 1999, 9, 81-87.	4.2	135
14	Reduced prefrontal and orbitofrontal gray matter in female adolescents with borderline personality disorder: Is it disorder specific?. Neurolmage, 2010, 49, 114-120.	4.2	134
15	Reduced olfactory bulb and tract volume in early Alzheimer's disease—A MRI study. Neurobiology of Aging, 2009, 30, 838-841.	3.1	124
16	Hypersensitivity in Borderline Personality Disorder during Mindreading. PLoS ONE, 2012, 7, e41650.	2.5	123
17	Quantitative magnetic resonance imaging in geriatric depression and primary degenerative dementia. Journal of Affective Disorders, 1997, 42, 69-83.	4.1	119
18	Laser ablation after stereotactic radiosurgery: a multicenter prospective study in patients with metastatic brain tumors and radiation necrosis. Journal of Neurosurgery, 2019, 130, 804-811.	1.6	114

#	ARTICLE	IF	CITATIONS
19	Morphologic and Functional Magnetic Resonance Imaging of Renal Artery Stenosis. Journal of the American Society of Nephrology: JASN, 2002, 13, 158-169.	6.1	114
20	Principles of T <sub>2</sub> *-weighted dynamic susceptibility contrast MRI technique in brain tumor imaging. Journal of Magnetic Resonance Imaging, 2015, 41, 296-313.	3.4	112
21	High-resolution venography of the brain using magnetic resonance imaging. Magnetic Resonance Materials in Physics, Biology, and Medicine, 1998, 6, 62-69.	2.0	106
22	Assessment of Brain Metastases with Dynamic Susceptibility-weighted Contrast-enhanced MR Imaging: Initial Results. Radiology, 2003, 228, 193-199.	7.3	105
23	Influence of Human Serum Albumin on Longitudinal and Transverse Relaxation Rates (R1 and R2) of Magnetic Resonance Contrast Agents. Investigative Radiology, 2006, 41, 222-228.	6.2	105
24	Assessment of tumor microcirculation: A new role of dynamic contrast MR imaging. Journal of Magnetic Resonance Imaging, 1997, 7, 111-119.	3.4	103
25	Radiation-induced regional cerebral blood volume (rCBV) changes in normal brain and low-grade astrocytomas: quantification and time and dose-dependent occurrence. International Journal of Radiation Oncology Biology Physics, 2000, 48, 53-58.	0.8	102
26	Hippocampal volume and 2-year outcome in depression. British Journal of Psychiatry, 2008, 192, 472-473.	2.8	97
27	Assessment of Irradiated Brain Metastases by Means of Arterial Spin-Labeling and Dynamic Susceptibility-Weighted Contrast-Enhanced Perfusion MRI. Investigative Radiology, 2004, 39, 277-287.	6.2	96
28	The cerebellum in mild cognitive impairment and Alzheimer's disease – A structural MRI study. Journal of Psychiatric Research, 2008, 42, 1198-1202.	3.1	95
29	MR microcirculation assessment in cervical cancer: Correlations with histomorphological tumor markers and clinical outcome. Journal of Magnetic Resonance Imaging, 1999, 10, 267-276.	3.4	93
30	Parahippocampal Volume Deficits in Subjects With Aging-Associated Cognitive Decline. American Journal of Psychiatry, 2003, 160, 379-382.	7.2	93
31	High-resolution MR venography of cerebral arteriovenous malformations. Magnetic Resonance Imaging, 1999, 17, 1417-1425.	1.8	91
32	Primary and Secondary Brain Tumors at MR Imaging: Bicentric Intraindividual Crossover Comparison of Gadobenate Dimeglumine and Gadopentetate Dimeglumine. Radiology, 2004, 230, 55-64.	7.3	90
33	Tumor angiogenesis of low-grade astrocytomas measured by dynamic susceptibility contrast-enhanced MRI (DSC-MRI) is predictive of local tumor control after radiation therapy. International Journal of Radiation Oncology Biology Physics, 2001, 51, 478-482.	0.8	89
34	Morphology, metabolism, microcirculation, and strength of skeletal muscles in cancer-related cachexia. Acta Oncologica, 2009, 48, 116-124.	1.8	89
35	Cerebral Gliomas and Metastases: Assessment with Contrast-enhanced Fast Fluid-attenuated Inversion-Recovery MR Imaging. Radiology, 1999, 210, 551-557.	7.3	86
36	Contrast Enhancement of Central Nervous System Lesions: Multicenter Intraindividual Crossover Comparative Study of Two MR Contrast Agents. Radiology, 2006, 240, 389-400.	7.3	83

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37	Quantitative magnetic resonance imaging and neuropsychological functions in dementia of the Alzheimer type. <i>Psychological Medicine</i> , 1997, 27, 221-229.	4.5	82
38	Pathologic Skeletal Muscle Perfusion in Patients with Myositis: Detection with Quantitative Contrast-enhanced USâ€”Initial Results. <i>Radiology</i> , 2006, 238, 640-649.	7.3	82
39	MRI-Derived Atrophy of the Olfactory Bulb and Tract in Mild Cognitive Impairment and Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2009, 17, 213-221.	2.6	78
40	Characterization and therapy monitoring of head and neck carcinomas using diffusion-imaging-based intravoxel incoherent motion parametersâ€”preliminary results. <i>Neuroradiology</i> , 2013, 55, 527-536.	2.2	77
41	Cervical carcinoma: comparison of standard and pharmacokinetic MR imaging.. <i>Radiology</i> , 1996, 201, 531-539.	7.3	76
42	Comparison of Arterial Spin-Labeling Techniques and Dynamic Susceptibility-Weighted Contrast-Enhanced MRI in Perfusion Imaging of Normal Brain Tissue. <i>Investigative Radiology</i> , 2003, 38, 712-718.	6.2	75
43	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> , 2004, 59, 796-808.	0.8	73
44	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> , 2006, 31, 531-542.	4.2	71
45	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> , 2015, 231, 176-183.	1.8	71
46	Neurological soft signs and gray matter changes: A longitudinal analysis in first-episode schizophrenia. <i>Schizophrenia Research</i> , 2012, 134, 27-32.	2.0	69
47	Prediction of treatment response in head and neck carcinomas using IVIM-DWI: Evaluation of lymph node metastasis. <i>European Journal of Radiology</i> , 2014, 83, 783-787.	2.6	69
48	Brain magnetic resonance imaging CO2 stress testing in adolescent postconcussion syndrome. <i>Journal of Neurosurgery</i> , 2016, 125, 648-660.	1.6	69
49	Hippocampal volume in first episode and recurrent depression. <i>Psychiatry Research - Neuroimaging</i> , 2009, 174, 62-66.	1.8	68
50	Structural Changes of the Corpus Callosum in Mild Cognitive Impairment and Alzheimerâ€™s Disease. <i>Dementia and Geriatric Cognitive Disorders</i> , 2006, 21, 215-220.	1.5	67
51	Contrast-enhanced Ultrasound in Dermatomyositis- and Polymyositis. <i>Journal of Neurology</i> , 2006, 253, 1625-1632.	3.6	66
52	Cerebellar substructures and neurological soft signs in first-episode schizophrenia. <i>Psychiatry Research - Neuroimaging</i> , 2009, 173, 83-87.	1.8	66
53	Topography of callosal atrophy reflects distribution of regional cerebral volume reduction in Alzheimerâ€™s disease. <i>Psychiatry Research - Neuroimaging</i> , 1999, 90, 181-192.	1.8	65
54	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> , 2006, 55, 1124-1131.	3.0	64

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55	Morphological Cerebral Correlates of CERAD Test Performance in Mild Cognitive Impairment and Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2011, 23, 411-420.	2.6	63
56	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> , 2004, 30, 1355-1363.	1.5	61
57	Resting-State Functional Connectivity Magnetic Resonance Imaging and Outcome After Acute Stroke. <i>Stroke</i> , 2018, 49, 2353-2360.	2.0	61
58	Unusual burns of the lower extremities caused by a closed conducting loop in a patient at MR imaging. <i>Radiology</i> , 1996, 200, 572-575.	7.3	60
59	The Use of the Multislice CT for the Determination of Respiratory Lung Tumor Movement in Stereotactic Single-Dose Irradiation. <i>Strahlentherapie Und Onkologie</i> , 2003, 179, 542-547.	2.0	60
60	Fast fluid-attenuated inversion-recovery (FLAIR) MRI in the assessment of intraaxial brain tumors. <i>Journal of Magnetic Resonance Imaging</i> , 1998, 8, 789-798.	3.4	59
61	Hepatic Lesions: Morphologic and Functional Characterization with Multiphase Breath-hold 3D Gadolinium-enhanced MR Angiography—Initial Results. <i>Radiology</i> , 1999, 210, 89-96.	7.3	59
62	Cerebral changes and cerebrospinal fluid $\beta$ -amyloid in Alzheimer's disease: a study with quantitative magnetic resonance imaging. <i>Molecular Psychiatry</i> , 1997, 2, 505-507.	7.9	57
63	Biopsy Targeting Gliomas. <i>Investigative Radiology</i> , 2010, 45, 755-768.	6.2	57
64	In vivo Quantification of Brain Volumes in Subcortical Vascular Dementia and Alzheimer's Disease. <i>Dementia and Geriatric Cognitive Disorders</i> , 1998, 9, 309-316.	1.5	56
65	Contrast-Enhanced Magnetic Resonance Imaging of Central Nervous System Tumors. <i>Topics in Magnetic Resonance Imaging</i> , 2006, 17, 89-106.	1.2	56
66	Good clinical and MRI outcome after arthroscopic autologous chondrocyte implantation for cartilage repair in the knee. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2018, 26, 831-839.	4.2	56
67	From "Time is Brain" to "Imaging is Brain": A Paradigm Shift in the Management of Acute Ischemic Stroke. <i>Journal of Neuroimaging</i> , 2020, 30, 562-571.	2.0	56
68	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> , 1998, 22, 75-81.	0.9	56
69	Collateral Automation for Triage in Stroke: Evaluating Automated Scoring of Collaterals in Acute Stroke on Computed Tomography Scans. <i>Cerebrovascular Diseases</i> , 2019, 47, 217-222.	1.7	55
70	Intracranial meningiomas: Time- and dose-dependent effects of irradiation on tumor microcirculation monitored by dynamic MR imaging. <i>Magnetic Resonance Imaging</i> , 1997, 15, 423-432.	1.8	54
71	Neurological signs and morphological cerebral changes in schizophrenia: An analysis of NSS subscales in patients with first episode psychosis. <i>Psychiatry Research - Neuroimaging</i> , 2011, 192, 69-76.	1.8	54
72	Intraindividual Comparison of Gadobenate Dimeglumine and Gadobutrol for Cerebral Magnetic Resonance Perfusion Imaging at 1.5 T. <i>Investigative Radiology</i> , 2006, 41, 256-263.	6.2	52

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73	Clock drawing performance and brain morphology in mild cognitive impairment and Alzheimer's disease. <i>Brain and Cognition</i> , 2008, 67, 88-93.	1.8	52
74	High-relaxivity contrast-enhanced magnetic resonance neuroimaging: a review. <i>European Radiology</i> , 2010, 20, 2461-2474.	4.5	52
75	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> , 1996, 166, 401-408.	2.2	50
76	Neuroimaging findings in pediatric sports-related concussion. <i>Journal of Neurosurgery: Pediatrics</i> , 2015, 16, 241-247.	1.3	50
77	Gadofluorine M Uptake in Stem Cells as a New Magnetic Resonance Imaging Tracking Method. <i>Investigative Radiology</i> , 2006, 41, 868-873.	6.2	49
78	Pharmacokinetic MRI for assessment of malignant glioma response to stereotactic radiotherapy: Initial results. <i>Journal of Magnetic Resonance Imaging</i> , 1998, 8, 783-788.	3.4	47
79	Detection of IDH1 mutations in gliomatosis cerebri, but only in tumors with additional solid component: evidence for molecular subtypes. <i>Acta Neuropathologica</i> , 2010, 120, 261-267.	7.7	47
80	Comparison of diffusion anisotropy measurements in combination with the FLAIR-technique. <i>Magnetic Resonance Imaging</i> , 1999, 17, 705-716.	1.8	46
81	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> , 2003, 120, 231-238.	3.3	46
82	Pharmacokinetic Analysis of Malignant Pleural Mesothelioma's Initial Results of Tumor Microcirculation and its Correlation to Microvessel Density (CD-34). <i>Academic Radiology</i> , 2008, 15, 563-570.	2.5	44
83	Patient-Specific Alterations in CO2 Cerebrovascular Responsiveness in Acute and Sub-Acute Sports-Related Concussion. <i>Frontiers in Neurology</i> , 2018, 9, 23.	2.4	43
84	Treatment Monitoring in Gliomas. <i>Investigative Radiology</i> , 2011, 46, 390-400.	6.2	42
85	Comprehensive MR evaluation of renovascular disease in five breath holds. <i>Journal of Magnetic Resonance Imaging</i> , 1999, 10, 347-356.	3.4	41
86	Evaluation of Patients with Paramyotonia at <sup>23</sup> Na MR Imaging during Cold-induced Weakness. <i>Radiology</i> , 2006, 240, 489-500.	7.3	40
87	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> , 2007, 106, 557-566.	1.6	40
88	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> , 2015, 233, 299-305.	1.8	39
89	Distribution of cerebral atrophy assessed by magnetic resonance imaging reflects patterns of neuropsychological deficits in Alzheimer's dementia. <i>Neuroscience Letters</i> , 2004, 361, 17-20.	2.1	37
90	Low Mechanical Index Contrast-Enhanced Ultrasound Better Reflects High Arterial Perfusion of Liver Metastases Than Arterial Phase Computed Tomography. <i>Investigative Radiology</i> , 2004, 39, 216-222.	6.2	36

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91	Monitoring of task performance during functional magnetic resonance imaging of sensorimotor cortex at 1.5 T. <i>Magnetic Resonance Imaging</i> , 1996, 14, 51-58.	1.8	35
92	Hippocampal volume reduction and autobiographical memory deficits in chronic schizophrenia. <i>Psychiatry Research - Neuroimaging</i> , 2013, 211, 189-194.	1.8	35
93	Retirement-from-sport considerations following pediatric sports-related concussion: case illustrations and institutional approach. <i>Neurosurgical Focus</i> , 2016, 40, E8.	2.3	35
94	Postoperative fluid-attenuated inversion recovery MR imaging of cerebral gliomas: initial results. <i>European Radiology</i> , 2001, 11, 2004-2010.	4.5	34
95	Cognitive function in patients with cerebral arteriovenous malformations after radiosurgery: prospective long-term follow-up. <i>International Journal of Radiation Oncology Biology Physics</i> , 2002, 54, 1430-1437.	0.8	33
96	Longitudinal Brain Magnetic Resonance Imaging CO2 Stress Testing in Individual Adolescent Sports-Related Concussion Patients: A Pilot Study. <i>Frontiers in Neurology</i> , 2016, 7, 107.	2.4	32
97	Intravoxel Incoherent Motion Metrics as Potential Biomarkers for Survival in Glioblastoma. <i>PLoS ONE</i> , 2016, 11, e0158887.	2.5	32
98	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> , 2009, 34, 136-42.	2.4	32
99	Assessment of neuropsychological changes in patients with arteriovenous malformation (AVM) after radiosurgery. <i>International Journal of Radiation Oncology Biology Physics</i> , 1998, 42, 995-999.	0.8	31
100	Life events and hippocampal volume in first-episode major depression. <i>Journal of Affective Disorders</i> , 2008, 110, 241-247.	4.1	30
101	Magnetic Resonance Imaging Biomarkers of Brain Connectivity in Predicting Outcome after Mild Traumatic Brain Injury: A Systematic Review. <i>Journal of Neurotrauma</i> , 2020, 37, 1761-1776.	3.4	30
102	Abdominal Aortic Aneurysm. <i>Investigative Radiology</i> , 1999, 34, 648.	6.2	30
103	Multidisciplinary Management of Pediatric Sports-Related Concussion. <i>Canadian Journal of Neurological Sciences</i> , 2017, 44, 24-34.	0.5	29
104	Whole-Brain Dynamics in Aging: Disruptions in Functional Connectivity and the Role of the Rich Club. <i>Cerebral Cortex</i> , 2021, 31, 2466-2481.	2.9	29
105	Hippocampal Morphology and Autobiographic Memory in Mild Cognitive Impairment and Alzheimer's Disease. <i>Current Alzheimer Research</i> , 2012, 9, 507-515.	1.4	27
106	Regional Cerebral Perfusion Alterations in Patients with Mild Cognitive Impairment and Alzheimer Disease Using Dynamic Susceptibility Contrast MRI. <i>Academic Radiology</i> , 2013, 20, 705-711.	2.5	27
107	Interleaved gradient echo planar (IGEPI) and phase contrast CINE-PC flow measurements in the renal artery. <i>Journal of Magnetic Resonance Imaging</i> , 1998, 8, 889-895.	3.4	26
108	Enhancing Lesions of the Brain. <i>Academic Radiology</i> , 2006, 13, 744-751.	2.5	26

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109	Optimizing Contrast-Enhanced Magnetic Resonance Imaging Characterization of Brain Metastases. <i>Neurosurgery</i> , 2013, 72, 691-701.	1.1	26
110	Use of Contrast Media in Neuroimaging. <i>Magnetic Resonance Imaging Clinics of North America</i> , 2012, 20, 633-648.	1.1	25
111	Radiation-Induced Changes of Brain Tissue after Radiosurgery in Patients with Arteriovenous Malformations: Dose/Volume-Response Relations. <i>Strahlentherapie Und Onkologie</i> , 2004, 180, 758-767.	2.0	24
112	Comparison of manual direct and automated indirect measurement of hippocampus using magnetic resonance imaging. <i>European Journal of Radiology</i> , 2008, 66, 268-273.	2.6	24
113	Intraindividual comparison between gadopentetate dimeglumine and gadobutrol for magnetic resonance perfusion in normal brain and intracranial tumors at 3 tesla. <i>Acta Radiologica</i> , 2009, 50, 521-530.	1.1	24
114	3D Reconstructions of the Cerebral Ventricles and Volume Quantification in Children with Brain Malformations. <i>Academic Radiology</i> , 2009, 16, 610-617.	2.5	24
115	Impaired cerebral glucose metabolism in prodromal Alzheimer's disease differs by regional intensity normalization. <i>Neuroscience Letters</i> , 2013, 534, 12-17.	2.1	24
116	Apolipoprotein E Polymorphism and Brain Morphology in Mild Cognitive Impairment. <i>Dementia and Geriatric Cognitive Disorders</i> , 2008, 26, 300-305.	1.5	23
117	Partially Resected Gliomas: Diagnostic Performance of Fluid-attenuated Inversion Recovery MR Imaging for Detection of Progression. <i>Radiology</i> , 2010, 254, 907-916.	7.3	23
118	Reduced Gray to White Matter Tissue Intensity Contrast in Schizophrenia. <i>PLoS ONE</i> , 2012, 7, e37016.	2.5	23
119	Hippocampal and entorhinal cortex volume decline in cognitively intact elderly. <i>Psychiatry Research - Neuroimaging</i> , 2013, 211, 31-36.	1.8	23
120	Magnetic Resonance Imaging Using Gadolinium-Based Contrast Agents. <i>Topics in Magnetic Resonance Imaging</i> , 2014, 23, 51-69.	1.2	23
121	Magnetic Resonance Imaging and Computed Tomography of the Brain—50 Years of Innovation, With a Focus on the Future. <i>Investigative Radiology</i> , 2015, 50, 551-556.	6.2	23
122	Manganese Enhanced Magnetic Resonance Imaging in a Contusion Model of Spinal Cord Injury in Rats: Correlation With Motor Function. <i>Investigative Radiology</i> , 2008, 43, 277-283.	6.2	21
123	Gray Matter Alterations in First-Admission Adolescents with Schizophrenia. , 2011, 21, 241-246.		21
124	Association of Cortical Thickness and Neurological Soft Signs in Patients with Chronic Schizophrenia and Healthy Controls. <i>Neuropsychobiology</i> , 2015, 71, 225-233.	1.9	20
125	Arteriovenous Malformations. <i>Investigative Radiology</i> , 2000, 35, 689-694.	6.2	19
126	Percutaneous Vascular Intervention Based on Gadolinium-enhanced MR Angiography. <i>Journal of Vascular and Interventional Radiology</i> , 2000, 11, 739-746.	0.5	19



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127	Multiphase Magnetic Resonance Angiography of the Abdominal and Pelvic Arteries. Investigative Radiology, 2002, 37, 20-28.	6.2	19
128	Assessment of cerebral gliomas by a new dark fluid sequence, high intensity REduction (HIRE): A preliminary study. Journal of Magnetic Resonance Imaging, 2000, 11, 506-517.	3.4	18
129	Assessment of Metabolism and Microcirculation of Healthy Skeletal Muscles by Magnetic Resonance and Ultrasound Techniques. Journal of Neuroimaging, 2007, 17, 323-331.	2.0	18
130	The Aging Imageomics Study: rationale, design and baseline characteristics of the study population. Mechanisms of Ageing and Development, 2020, 189, 111257.	4.6	18
131	MRI of Capillary Hemangioma of the Testis. Journal of Computer Assisted Tomography, 1997, 21, 402-404.	0.9	18
132	Serial MR imaging of intracranial metastases after radiosurgery. Magnetic Resonance Imaging, 1997, 15, 1121-1132.	1.8	17
133	Treatment of cerebral Langerhans cell histiocytosis. Journal of the Neurological Sciences, 1999, 171, 145-152.	0.6	17
134	Changes in AVM angio-architecture and hemodynamics after stereotactic radiosurgery assessed by dynamic MRA and phase contrast flow assessments. European Radiology, 2011, 21, 1267-1276.	4.5	17
135	Improvement of auditory hallucinations and reduction of primary auditory area's activation following TMS. European Journal of Radiology, 2012, 81, 1273-1275.	2.6	17
136	Functional MR imaging of visual and motor cortex stimulation at high temporal resolution using a flash technique on a standard 1.5 tesla scanner. Magnetic Resonance Imaging, 1996, 14, 477-483.	1.8	16
137	Contrast optimization of fluid-attenuated inversion-recovery (FLAIR) MR imaging in patients with high CSF blood or protein content. Magnetic Resonance in Medicine, 2000, 43, 764-767.	3.0	16
138	Human brain tumor imaging with a protein-binding MR contrast agent: initial experience. European Radiology, 2010, 20, 218-226.	4.5	16
139	Concentric resistance training increases muscle strength without affecting microcirculation. European Journal of Radiology, 2010, 73, 614-621.	2.6	16
140	7 tesla imaging of cerebral radiation necrosis after arteriovenous malformations treatment using amide proton transfer (APT) imaging. Journal of Magnetic Resonance Imaging, 2012, 35, 1207-1209.	3.4	16
141	Neuropsychology, autobiographical memory, and hippocampal volume in "younger" and "older" patients with chronic schizophrenia. Frontiers in Psychiatry, 2015, 6, 53.	2.6	16
142	Disk displacement, eccentric condylar position, osteoarthritis "misnomers for variations of normality? Results and interpretations from an MRI study in two age cohorts. BMC Oral Health, 2016, 16, 124.	2.3	16
143	Contrast-enhanced magnetization transfer imaging: improvement of brain tumor conspicuity and delineation for radiosurgical target volume definition. Radiotherapy and Oncology, 1997, 43, 261-267.	0.6	15
144	Automated MR morphometry to predict Alzheimer's disease in mild cognitive impairment. International Journal of Computer Assisted Radiology and Surgery, 2010, 5, 623-632.	2.8	15

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145	Traumatic Optic Neuropathy. <i>Current Sports Medicine Reports</i> , 2016, 15, 27-32.	1.2	15
146	Brain BOLD MRI O <sub>2</sub> and CO <sub>2</sub> stress testing: implications for perioperative neurocognitive disorder following surgery. <i>Critical Care</i> , 2020, 24, 76.	5.8	15
147	Predicting Motor Outcome in Acute Intracerebral Hemorrhage. <i>American Journal of Neuroradiology</i> , 2019, 40, 769-775.	2.4	14
148	Disappearance of tumor contrast on contrast-enhanced FLAIR imaging of cerebral gliomas. <i>Magnetic Resonance Imaging</i> , 2000, 18, 513-518.	1.8	13
149	Progressive medial temporal lobe changes in Alzheimer's disease revealed by quantitative MRI: potential use for monitoring of drug-related changes. <i>Drug Development Research</i> , 2002, 56, 51-56.	2.9	13
150	Macroscopic tumor volume of malignant glioma determined by contrast-enhanced magnetic resonance imaging with and without magnetization transfer contrast. <i>Magnetic Resonance Imaging</i> , 1996, 14, 1119-1126.	1.8	12
151	Intravascular contrast agent T1 shortening: fast T1 relaxometry in a carotid volunteer study. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2008, 21, 363-368.	2.0	12
152	Three-Dimensional Multiphase Time-Resolved Low-Dose Contrast-Enhanced Magnetic Resonance Angiography Using TWIST on a 32-Channel Coil at 3 T. <i>Journal of Computer Assisted Tomography</i> , 2010, 34, 678-683.	0.9	12
153	High-resolution blood-pool-contrast-enhanced MR angiography in glioblastoma: tumor-associated neovascularization as a biomarker for patient survival. A preliminary study. <i>Neuroradiology</i> , 2016, 58, 17-26.	2.2	12
154	Subcortical morphological correlates of impaired clock drawing performance. <i>Neuroscience Letters</i> , 2012, 512, 28-32.	2.1	11
155	Neurological soft signs (NSS) and brain morphology in patients with chronic schizophrenia and healthy controls. <i>PLoS ONE</i> , 2020, 15, e0231669.	2.5	11
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