

# Michael Bock

## List of Publications by Year in descending order

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220  
papers

6,614  
citations

53794

45  
h-index

82547

72  
g-index

237  
all docs

237  
docs citations

237  
times ranked

6432  
citing authors

#	ARTICLE	IF	CITATIONS
1	Specific Targeting of Tumor Angiogenesis by RGD-Conjugated Ultrasmall Superparamagnetic Iron Oxide Particles Using a Clinical 1.5-T Magnetic Resonance Scanner. <i>Cancer Research</i> , 2007, 67, 1555-1562.	0.9	332
2	Arterial spin labeling in combination with a lookâ€ˆlocker sampling strategy: Inflow turboâ€ˆsampling EPIâ€ˆFAIR (ITSâ€ˆFAIR). <i>Magnetic Resonance in Medicine</i> , 2001, 46, 974-984.	3.0	209
3	MRI of the lung (1/3): methods. <i>Insights Into Imaging</i> , 2012, 3, 345-353.	3.4	206
4	Volumetric computed tomography (VCT): a new technology for noninvasive, high-resolution monitoring of tumor angiogenesis. <i>Nature Medicine</i> , 2004, 10, 1133-1138.	30.7	195
5	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> , 2007, 57, 74-81.	3.0	166
6	INNOMOTION for Percutaneous Image-Guided Interventions. <i>IEEE Engineering in Medicine and Biology Magazine</i> , 2008, 27, 66-73.	0.8	160
7	Preoperative Staging of Renal Cell Carcinoma With Inferior Vena Cava Thrombus Using Multidetector CT and MRI. <i>Journal of Computer Assisted Tomography</i> , 2005, 29, 64-68.	0.9	140
8	Nuclear magnetic resonance imaging of airways in humans with use of hyperpolarized <sup>3</sup> He. <i>Magnetic Resonance in Medicine</i> , 1996, 36, 192-196.	3.0	138
9	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> , 1999, 211, 667-679.	7.3	137
10	Comparison of <sup>68</sup> Ga-HBED-CC PSMA-PET/CT and multiparametric MRI for gross tumour volume detection in patients with primary prostate cancer based on slice by slice comparison with histopathology. <i>Theranostics</i> , 2017, 7, 228-237.	10.0	135
11	Changes in myocardial oxygenation and perfusion under pharmacological stress with dipyridamole: Assessment using T <sub>2</sub> * and T <sub>1</sub> measurements. <i>Magnetic Resonance in Medicine</i> , 1999, 41, 686-695.	3.0	128
12	Regional Lung Perfusion: Assessment with Partially Parallel Three-dimensional MR Imaging. <i>Radiology</i> , 2004, 231, 175-184.	7.3	112
13	The Potential of Relaxation-Weighted Sodium Magnetic Resonance Imaging as Demonstrated on Brain Tumors. <i>Investigative Radiology</i> , 2011, 46, 539-547.	6.2	98
14	Diagnostic Accuracy of Staging Renal Cell Carcinomas Using Multidetector-Row Computed Tomography and Magnetic Resonance Imaging. <i>Journal of Computer Assisted Tomography</i> , 2004, 28, 333-339.	0.9	94
15	MR relaxometry of the liver: significant elevation of T <sub>1</sub> relaxation time in patients with liver cirrhosis. <i>European Radiology</i> , 2012, 22, 1224-1232.	4.5	93
16	Physical and Biological Characterization of Superparamagnetic Iron Oxide- and Ultrasmall Superparamagnetic Iron Oxide-Labeled Cells. <i>Investigative Radiology</i> , 2005, 40, 504-513.	6.2	84
17	[ <sup>68</sup> Ga]-PSMA-11 PET/CT and multiparametric MRI for gross tumor volume delineation in a slice by slice analysis with whole mount histopathology as a reference standard â€ˆ Implications for focal radiotherapy planning in primary prostate cancer. <i>Radiotherapy and Oncology</i> , 2019, 141, 214-219.	0.6	83
18	MRâ€ˆguided intravascular interventions: Techniques and applications. <i>Journal of Magnetic Resonance Imaging</i> , 2008, 27, 326-338.	3.4	81

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19	Correlation of Hemodynamic Impact and Morphologic Degree of Renal Artery Stenosis in a Canine Model. <i>Journal of the American Society of Nephrology: JASN</i> , 2000, 11, 2190-2198.	6.1	81
20	Theory of the BOLD effect in the capillary region: An analytical approach for the determination of $T_2^*$ in the capillary network of myocardium. <i>Magnetic Resonance in Medicine</i> , 1999, 41, 51-62.	3.0	79
21	The relationship between the BOLD-induced $T_2$ and $T_2^*$ : A theoretical approach for the vasculature of myocardium. <i>Magnetic Resonance in Medicine</i> , 1999, 42, 1004-1010.	3.0	79
22	Dental MRI using wireless intraoral coils. <i>Scientific Reports</i> , 2016, 6, 23301.	3.3	78
23	Evaluation of Lung Volumetry Using Dynamic Three-Dimensional Magnetic Resonance Imaging. <i>Investigative Radiology</i> , 2005, 40, 173-179.	6.2	75
24	Renal Disease: Value of Functional Magnetic Resonance Imaging With Flow and Perfusion Measurements. <i>Investigative Radiology</i> , 2004, 39, 698-705.	6.2	73
25	Quantification of renal perfusion using an intravascular contrast agent (part 1): Results in a canine model. <i>Magnetic Resonance in Medicine</i> , 2003, 49, 276-287.	3.0	70
26	MRI versus $^{68}\text{Ga}$ -PSMA PET/CT for gross tumour volume delineation in radiation treatment planning of primary prostate cancer. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2016, 43, 889-897.	6.4	68
27	Quantification of renal perfusion abnormalities using an intravascular contrast agent (part 2): Results in animals and humans with renal artery stenosis. <i>Magnetic Resonance in Medicine</i> , 2003, 49, 288-298.	3.0	67
28	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
29	MR-guided intravascular procedures: Real-time parameter control and automated slice positioning with active tracking coils. <i>Journal of Magnetic Resonance Imaging</i> , 2004, 19, 580-589.	3.4	63
30	Separation of arteries and veins in 3D MR angiography using correlation analysis. <i>Magnetic Resonance in Medicine</i> , 2000, 43, 481-487.	3.0	59
31	Motion characterization of aortic wall and intimal flap by ECG-gated CT in patients with chronic B-dissection. <i>European Journal of Radiology</i> , 2009, 72, 146-153.	2.6	58
32	High-resolution three-dimensional MR angiography of rodent tumors: Morphologic characterization of intratumoral vasculature. <i>Journal of Magnetic Resonance Imaging</i> , 2003, 18, 59-65.	3.4	57
33	MR-Relaxometry of Myocardial Tissue. <i>Investigative Radiology</i> , 2007, 42, 636-642.	6.2	57
34	High-resolution pulmonary arterio- and venography using multiple-bolus multiphase 3D-gd-mRA. <i>Journal of Magnetic Resonance Imaging</i> , 1999, 10, 339-346.	3.4	54
35	Partially Parallel Three-Dimensional Magnetic Resonance Imaging for the Assessment of Lung Perfusion – Initial Results. <i>Investigative Radiology</i> , 2003, 38, 482-488.	6.2	54
36	MR coil design for simultaneous tip tracking and curvature delineation of a catheter. <i>Magnetic Resonance in Medicine</i> , 2004, 52, 214-218.	3.0	54

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37	MRI compatible head phantom for ultrasound surgery. <i>Ultrasonics</i> , 2015, 57, 144-152.	3.9	53
38	Focal dose escalation for prostate cancer using <sup>68</sup> Ga-HBED-CC PSMA PET/CT and MRI: a planning study based on histology reference. <i>Radiation Oncology</i> , 2018, 13, 81.	2.7	53
39	Direct <sup>17</sup> O MRI with partial volume correction: first experiences in a glioblastoma patient. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2014, 27, 579-587.	2.0	52
40	Gain of a 500-fold sensitivity on an intravital MR Contrast Agent based on an endohedral Gadolinium-Cluster-Fullerene-Conjugate: A new chance in cancer diagnostics. <i>International Journal of Medical Sciences</i> , 2010, 7, 136-146.	2.5	51
41	Active catheter tracking using parallel MRI and real-time image reconstruction. <i>Magnetic Resonance in Medicine</i> , 2006, 55, 1454-1459.	3.0	50
42	Influence of different breathing maneuvers on internal and external organ motion: Use of fiducial markers in dynamic MRI. <i>International Journal of Radiation Oncology Biology Physics</i> , 2005, 62, 238-245.	0.8	49
43	Impact of Oxygen Inhalation on the Pulmonary Circulation. <i>Investigative Radiology</i> , 2007, 42, 283-290.	6.2	48
44	Quantification of aortic distensibility in abdominal aortic aneurysm using ECG-gated multi-detector computed tomography. <i>European Radiology</i> , 2008, 18, 966-973.	4.5	48
45	Contrast-Enhanced Three-Dimensional Pulmonary Perfusion Magnetic Resonance Imaging. <i>Investigative Radiology</i> , 2004, 39, 143-148.	6.2	47
46	Automatic passive tracking of an endorectal prostate biopsy device using phase-only cross-correlation. <i>Magnetic Resonance in Medicine</i> , 2008, 59, 1043-1050.	3.0	47
47	A measurement setup for direct <sup>17</sup> O MRI at 7 T. <i>Magnetic Resonance in Medicine</i> , 2011, 66, 1109-1115.	3.0	47
48	Comparison of diffusion anisotropy measurements in combination with the FLAIR-technique. <i>Magnetic Resonance Imaging</i> , 1999, 17, 705-716.	1.8	46
49	ECG-gated <sup>23</sup> Na-MRI of the human heart using a 3D-radial projection technique with ultra-short echo times. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2004, 16, 297-302.	2.0	46
50	Asbestos-Related Pleural Disease. <i>Investigative Radiology</i> , 2004, 39, 554-564.	6.2	43
51	Whole-brain irradiation with hippocampal sparing and dose escalation on metastases: neurocognitive testing and biological imaging (HIPPORAD) – a phase II prospective randomized multicenter trial (NOA-14, ARO 2015-3, DTK-ROG). <i>BMC Cancer</i> , 2020, 20, 532.	2.6	43
52	Pulsed-wave velocity measurement using a new real-time MR-method. <i>Magnetic Resonance Imaging</i> , 1995, 13, 21-29.	1.8	42
53	Comprehensive MR evaluation of renovascular disease in five breath holds. <i>Journal of Magnetic Resonance Imaging</i> , 1999, 10, 347-356.	3.4	41
54	Renal Embolization: Feasibility of Magnetic Resonance-Guidance Using Active Catheter Tracking and Intraarterial Magnetic Resonance Angiography. <i>Investigative Radiology</i> , 2004, 39, 111-119.	6.2	41

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55	4D-Imaging of the Lung: Reproducibility of Lesion Size and Displacement on Helical CT, MRI, and Cone Beam CT in a Ventilated Ex Vivo System. <i>International Journal of Radiation Oncology Biology Physics</i> , 2009, 73, 919-926.	0.8	41
56	Theory of Coherent and Incoherent Nuclear Spin Dephasing in the Heart. <i>Physical Review Letters</i> , 1999, 83, 4215-4218.	7.8	40
57	Age related changes of human aortic distensibility: evaluation with ECG-gated CT. <i>European Radiology</i> , 2007, 17, 701-708.	4.5	40
58	Joint Imaging Platform for Federated Clinical Data Analytics. <i>JCO Clinical Cancer Informatics</i> , 2020, 4, 1027-1038.	2.1	39
59	Synthesis and Characterization of HE-24.8: A Polymeric Contrast Agent for Magnetic Resonance Angiography. <i>Bioconjugate Chemistry</i> , 2006, 17, 42-51.	3.6	38
60	Simultaneous T2* and diffusion measurements with 3He. <i>Magnetic Resonance in Medicine</i> , 1997, 38, 890-895.	3.0	37
61	Iterative 3D projection reconstruction of <sup>23</sup> Na data with an <sup>1</sup> H MRI constraint. <i>Magnetic Resonance in Medicine</i> , 2014, 71, 1720-1732.	3.0	37
62	Diagnosis of renal artery stenosis with magnetic resonance angiography: update 2003. <i>Nephrology Dialysis Transplantation</i> , 2003, 18, 1252-1256.	0.7	36
63	Time-resolved contrast-enhanced three-dimensional pulmonary MR-angiography: 1.0 M gadobutrol vs. 0.5 M gadopentetate dimeglumine. <i>Journal of Magnetic Resonance Imaging</i> , 2004, 19, 202-208.	3.4	36
64	BOLD-MRI in ten patients with coronary artery disease: evidence for imaging of capillary recruitment in myocardium supplied by the stenotic artery. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 1999, 8, 48-54.	2.0	35
65	Contrast enhancement in TOF cerebral angiography at 7 T using saturation and MT pulses under SAR constraints: Impact of VERSE and sparse pulses. <i>Magnetic Resonance in Medicine</i> , 2012, 68, 188-197.	3.0	35
66	Determination of regional blood volume and intra-extracapillary water exchange in human myocardium using Feruglose: First clinical results in patients with coronary artery disease. <i>Magnetic Resonance in Medicine</i> , 2002, 47, 1013-1016.	3.0	34
67	3D pulmonary perfusion MRI and MR angiography of pulmonary embolism in pigs after a single injection of a blood pool MR contrast agent. <i>European Radiology</i> , 2004, 14, 1291-6.	4.5	34
68	Targeted-HASTE imaging with automated device tracking for MR-guided needle interventions in closed-bore MR systems. <i>Magnetic Resonance in Medicine</i> , 2006, 56, 481-488.	3.0	29
69	Three-axis MR-conditional robot for high-intensity focused ultrasound for treating prostate diseases transrectally. <i>Journal of Therapeutic Ultrasound</i> , 2015, 3, 2.	2.2	29
70	B1 field-insensitive transformers for RF-safe transmission lines. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2006, 19, 257-266.	2.0	28
71	Concepts for Visualization of Multidirectional Phase-contrast MRI of the Heart and Large Thoracic Vessels. <i>Academic Radiology</i> , 2008, 15, 361-369.	2.5	28
72	Real-time MR navigation and localization of an intravascular catheter with ferromagnetic components. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2010, 23, 153-163.	2.0	28

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73	The utility of multiparametric MRI to characterize hypoxic tumor subvolumes in comparison to FMISO PET/CT. Consequences for diagnosis and chemoradiation treatment planning in head and neck cancer. <i>Radiotherapy and Oncology</i> , 2020, 150, 128-135.	0.6	28
74	Interstitial Magnetic Resonance Lymphography with Gadobutrol in Rats. <i>Investigative Radiology</i> , 2002, 37, 655-662.	6.2	27
75	Direct cerebral and cardiac <sup>17</sup> O-MRI at 3T: initial results at natural abundance. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2014, 27, 95-99.	2.0	27
76	Intraindividual comparison between <sup>68</sup> Ga-PSMA-PET/CT and mpMRI for intraprostatic tumor delineation in patients with primary prostate cancer: a retrospective analysis in 101 patients. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2020, 47, 2796-2803.	6.4	27
77	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
78	Oxygen-Enhanced Magnetic Resonance Imaging: Influence of Different Gas Delivery Methods on the T1-changes of the Lungs. <i>Investigative Radiology</i> , 2008, 43, 427-432.	6.2	26
79	Effect of radiochemotherapy on T2* MRI in HNSCC and its relation to FMISO PET derived hypoxia and FDG PET. <i>Radiation Oncology</i> , 2018, 13, 159.	2.7	26
80	The dose distribution in dominant intraprostatic tumour lesions defined by multiparametric MRI and PSMA PET/CT correlates with the outcome in patients treated with primary radiation therapy for prostate cancer. <i>Radiation Oncology</i> , 2018, 13, 65.	2.7	26
81	Combined Assessment of Obstructive Sleep Apnea Syndrome with Dynamic MRI and Parallel EEG Registration. <i>Investigative Radiology</i> , 2000, 35, 267-276.	6.2	26
82	Intraindividual comparison of 1.0 M gadobutrol and 0.5 M gadopentetate dimeglumine for time-resolved contrast-enhanced three-dimensional magnetic resonance angiography of the upper torso. <i>Journal of Magnetic Resonance Imaging</i> , 2005, 22, 286-290.	3.4	24
83	A Faraday effect position sensor for interventional magnetic resonance imaging. <i>Physics in Medicine and Biology</i> , 2006, 51, 999-1009.	3.0	24
84	Magnetic resonance-compatible-spirometry: principle, technical evaluation and application. <i>European Respiratory Journal</i> , 2007, 30, 972-979.	6.7	24
85	Scenes from the Past: MR Imaging versus CT of Ancient Peruvian and Egyptian Mummified Tissues. <i>Radiographics</i> , 2013, 33, 291-296.	3.3	24
86	Fifty Years of Technological Innovation. <i>Investigative Radiology</i> , 2015, 50, 584-593.	6.2	24
87	Diffusion-weighted MRI and ADC versus FET-PET and Gd <sup>17</sup> O-MRI for gross tumor volume (GTV) delineation in re-irradiation of recurrent glioblastoma. <i>Radiotherapy and Oncology</i> , 2019, 130, 121-131.	0.6	24
88	Respiratory dynamics in phonation and breathing: A real-time MRI study. <i>Respiratory Physiology and Neurobiology</i> , 2017, 236, 69-77.	1.6	23
89	Real-time magnetic resonance imaging guided coronary intervention in a porcine model. <i>Scientific Reports</i> , 2019, 9, 8663.	3.3	23
90	Title is missing!. <i>Investigative Radiology</i> , 2003, 38, 482-488.	6.2	22

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91	Fast PRF-based MR thermometry using double-echo EPI: in vivo comparison in a clinical hyperthermia setting. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2015, 28, 305-314.	2.0	22
92	Consensus-based Technical Recommendations for Clinical Translation of Renal Phase Contrast MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2022, 55, 323-335.	3.4	22
93	Automated Real-time Needle-Guide Tracking for Fast 3-T MR-guided Transrectal Prostate Biopsy: A Feasibility Study. <i>Radiology</i> , 2014, 273, 879-886.	7.3	20
94	Explainable AI for CNN-based prostate tumor segmentation in multi-parametric MRI correlated to whole mount histopathology. <i>Radiation Oncology</i> , 2022, 17, 65.	2.7	20
95	Comparison of ultrashort echo time sequences for MRI of an ancient mummified human hand. <i>Magnetic Resonance in Medicine</i> , 2016, 75, 701-708.	3.0	19
96	Quantification of oxygen metabolic rates in Human brain with dynamic $^{17}\text{O}$ MRI: Profile likelihood analysis. <i>Magnetic Resonance in Medicine</i> , 2017, 78, 1157-1167.	3.0	19
97	Convolutional neural networks for head and neck tumor segmentation on 7-channel multiparametric MRI: a leave-one-out analysis. <i>Radiation Oncology</i> , 2020, 15, 181.	2.7	19
98	Endoluminal ultrasound applicator with an integrated RF coil for high-resolution magnetic resonance imaging-guided high-intensity contact ultrasound thermotherapy. <i>Physics in Medicine and Biology</i> , 2008, 53, 6549-6567.	3.0	18
99	A long arm for ultrasound: A combined robotic focused ultrasound setup for magnetic resonance-guided focused ultrasound surgery. <i>Medical Physics</i> , 2010, 37, 2380-2393.	3.0	18
100	An expandable catheter loop coil for intravascular MRI in larger blood vessels. <i>Magnetic Resonance in Medicine</i> , 2010, 63, 517-523.	3.0	18
101	MR safety: simultaneous $B_0$ , $d\vec{B}/dt$ , and $dB/dt$ measurements on MR-workers up to 7 T. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2011, 24, 315-322.	2.0	18
102	3D CMRO <sub>2</sub> mapping in human brain with direct $^{17}\text{O}$ MRI: Comparison of conventional and proton-constrained reconstructions. <i>NeuroImage</i> , 2017, 155, 612-624.	4.2	17
103	Non-Invasive Assessment of Renal Artery Stenosis: Current Concepts and Future Directions in Magnetic Resonance Angiography. <i>Journal of Computer Assisted Tomography</i> , 1999, 23, S111-S117.	0.9	16
104	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> , 2000, 43, 764-767.	3.0	16
105	Quantitative renal cortical perfusion in human subjects with magnetic resonance imaging using iron-oxide nanoparticles: influence of $T_1$ shortening. <i>Acta Radiologica</i> , 2008, 49, 955-962.	1.1	16
106	7 tesla imaging of cerebral radiation necrosis after arteriovenous malformations treatment using amide proton transfer (APT) imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2012, 35, 1207-1209.	3.4	16
107	Coaxial waveguide MRI. <i>Magnetic Resonance in Medicine</i> , 2012, 67, 1173-1182.	3.0	16
108	Safety of active catheters in MRI: Termination impedance versus RF-induced heating. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 1412-1423.	3.0	16



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109	Lack of Evidence for Pulmonary Venous Thrombosis in Cryptogenic Stroke. <i>Stroke</i> , 2002, 33, 1416-1419.	2.0	15
110	Three-dimensional spiral MR imaging: Application to renal multiphase contrast-enhanced angiography. <i>Magnetic Resonance in Medicine</i> , 2002, 48, 290-296.	3.0	14
111	Semiquantitative fast flow velocity measurements using catheter coils with a limited sensitivity profile. <i>Magnetic Resonance in Medicine</i> , 2004, 52, 575-581.	3.0	14
112	Interventional magnetic resonance imaging: an alternative to image guidance with ionising radiation. <i>Radiation Protection Dosimetry</i> , 2005, 117, 74-78.	0.8	14
113	Passive marker tracking via phase-only cross correlation (POCC) for MR-guided needle interventions: Initial in vivo experience. <i>Physica Medica</i> , 2013, 29, 607-614.	0.7	14
114	MR safety watchdog for active catheters: Wireless impedance control with real-time feedback. <i>Magnetic Resonance in Medicine</i> , 2020, 84, 1048-1060.	3.0	14
115	Dynamic coil selection for real-time imaging in interventional MRI. <i>Magnetic Resonance in Medicine</i> , 2006, 56, 1156-1162.	3.0	13
116	In vivo MRI with Concurrent Excitation and Acquisition using Automated Active Analog Cancellation. <i>Scientific Reports</i> , 2018, 8, 10631.	3.3	13
117	Time-Resolved Three-Dimensional Magnetic Resonance Angiography for Assessing a Pulmonary Artery Sling in a Pediatric Patient. <i>Circulation</i> , 2002, 106, e61-2.	1.6	12
118	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
119	Basics of Magnetic Resonance Imaging and Magnetic Resonance Spectroscopy. , 2008, , 3-167.		12
120	A Broadside-Split-Ring Resonator-Based Coil for MRI at 7 T. <i>IEEE Transactions on Medical Imaging</i> , 2013, 32, 1081-1084.	8.9	12
121	Tracking of an interventional catheter with a ferromagnetic tip using dual-echo projections. <i>Journal of Magnetic Resonance</i> , 2013, 234, 176-183.	2.1	12
122	Magnetic Resonance Imaging of Bioresorbable Vascular Scaffolds. <i>Circulation: Cardiovascular Interventions</i> , 2015, 8, .	3.9	12
123	Active decoupling of RF coils using a transmit array system. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2015, 28, 565-576.	2.0	11
124	An optical setup for electric field measurements in MRI with high spatial resolution. <i>Physics in Medicine and Biology</i> , 2015, 60, 4355-4370.	3.0	11
125	Design of an Intraoral Dipole Antenna for Dental Applications. <i>IEEE Transactions on Biomedical Engineering</i> , 2021, 68, 2563-2573.	4.2	11
126	Automatic Tumor Segmentation With a Convolutional Neural Network in Multiparametric MRI: Influence of Distortion Correction. <i>Tomography</i> , 2019, 5, 292-299.	1.8	11



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127	High-Resolution Single Tooth MRI With an Inductively Coupled Intraoral Coil—Can MRI Compete With CBCT?. <i>Investigative Radiology</i> , 2022, 57, 720-727.	6.2	11
128	Pulmonary Vein Stenosis After Radiofrequency Ablation for Atrial Fibrillation. <i>Circulation</i> , 2003, 107, e129-30.	1.6	10
129	Velocity navigator for motion compensated thermometry. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2012, 25, 15-22.	2.0	10
130	Coronary magnetic resonance imaging after routine implantation of bioresorbable vascular scaffolds allows non-invasive evaluation of vascular patency. <i>PLoS ONE</i> , 2018, 13, e0191413.	2.5	10
131	High-contrast computed tomographic angiography better detects residual intracranial arteriovenous malformations in long-term follow-up after radiotherapy than 1.5-tesla time-of-flight magnetic resonance angiography. <i>Acta Radiologica</i> , 2010, 51, 64-70.	1.1	9
132	Effects of RF pulse profile and intra-voxel phase dispersion on MR fingerprinting with balanced SSFP readout. <i>Magnetic Resonance Imaging</i> , 2017, 41, 80-86.	1.8	9
133	Magnetically Labeled Water Perfusion Imaging of the Uterine Arteries and of Normal and Malignant Cervical Tissue: Initial Experiences. <i>Magnetic Resonance Imaging</i> , 1998, 16, 225-234.	1.8	8
134	Parallel image reconstruction using B-spline approximation (PROBER). <i>Magnetic Resonance in Medicine</i> , 2007, 58, 582-591.	3.0	8
135	7 Tesla compatible in-bore display for functional magnetic resonance imaging. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2013, 26, 371-375.	2.0	8
136	Crushed rephased orthogonal slice selection (CROSS) for simultaneous acquisition of two orthogonal proton resonance frequency temperature maps. <i>Journal of Magnetic Resonance Imaging</i> , 2013, 38, 1510-1520.	3.4	8
137	Comparison of two fiber-optical temperature measurement systems in magnetic fields up to 9.4 Tesla. <i>Magnetic Resonance in Medicine</i> , 2015, 73, 2047-2051.	3.0	8
138	Multimodal imaging for radiation therapy planning in patients with primary prostate cancer. <i>Physics and Imaging in Radiation Oncology</i> , 2018, 8, 8-16.	2.9	8
139	It's the little things: On the complexity of planar electrode heating in MRI. <i>NeuroImage</i> , 2019, 195, 272-284.	4.2	8
140	Magnetic resonance imaging of the vocal fold oscillations with sub-millisecond temporal resolution. <i>Magnetic Resonance in Medicine</i> , 2020, 83, 403-411.	3.0	8
141	Inductively Coupled Intraoral Flexible Coil for Increased Visibility of Dental Root Canals in Magnetic Resonance Imaging. <i>Investigative Radiology</i> , 2022, 57, 163-170.	6.2	8
142	Respiratory kinematics and the regulation of subglottic pressure for phonation of pitch jumps—a dynamic MRI study. <i>PLoS ONE</i> , 2020, 15, e0244539.	2.5	8
143	Ensuring safety and functionality of electroglottography measurements during dynamic pulmonary MRI. <i>Magnetic Resonance in Medicine</i> , 2016, 76, 1629-1635.	3.0	7
144	Initial investigation of glucose metabolism in mouse brain using enriched <sup>17</sup> O-glucose and dynamic <sup>17</sup> O-MRS. <i>NMR in Biomedicine</i> , 2017, 30, e3724.	2.8	7

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145	Biological imaging for individualized therapy in radiation oncology: part II medical and clinical aspects. <i>Future Oncology</i> , 2018, 14, 751-769.	2.4	7
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