

Bogusław Tomanek

List of Publications by Year in descending order

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136
papers

3,934
citations

117453

34
h-index

143772

57
g-index

141
all docs

141
docs citations

141
times ranked

4998
citing authors

#	ARTICLE	IF	CITATIONS
1	A mobile high-field magnetic resonance system for neurosurgery. <i>Journal of Neurosurgery</i> , 1999, 91, 804-813.	0.9	234
2	The aging hippocampus: A multi-level analysis in the rat. <i>Neuroscience</i> , 2006, 139, 1173-1185.	1.1	188
3	Cation Exchange: A Facile Method To Make NaYF ₄ :Yb,Tm-NaGdF ₄ Core-Shell Nanoparticles with a Thin, Tunable, and Uniform Shell. <i>Chemistry of Materials</i> , 2012, 24, 1297-1305.	3.2	151
4	NaDyF ₄ Nanoparticles as T ₂ Contrast Agents for Ultrahigh Field Magnetic Resonance Imaging. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 524-529.	2.1	144
5	Pilot study of dermal and subcutaneous fat structures by MRI in individuals who differ in gender, BMI, and cellulite grading. <i>Skin Research and Technology</i> , 2004, 10, 161-168.	0.8	143
6	Adipose-derived stem cells are an effective cell candidate for treatment of heart failure: an MR imaging study of rat hearts. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2009, 297, H1020-H1031.	1.5	116
7	Specificity of choline metabolites for in vivo diagnosis of breast cancer using 1H MRS at 1.5T. <i>European Radiology</i> , 2005, 15, 1037-1043.	2.3	104
8	Noninvasive assessment of the injured human spinal cord by means of functional magnetic resonance imaging. <i>Spinal Cord</i> , 2004, 42, 59-66.	0.9	93
9	Applications of Nanoparticles for MRI Cancer Diagnosis and Therapy. <i>Journal of Nanomaterials</i> , 2013, 2013, 1-12.	1.5	93
10	Mapping of Neuronal Function in the Healthy and Injured Human Spinal Cord with Spinal fMRI. <i>NeuroImage</i> , 2002, 17, 1854-1860.	2.1	88
11	MR molecular imaging of early endothelial activation in focal ischemia. <i>Annals of Neurology</i> , 2004, 56, 116-120.	2.8	86
12	Strong 5-aminolevulinic acid-induced fluorescence is a novel intraoperative marker for representative tissue samples in stereotactic brain tumor biopsies. <i>Neurosurgical Review</i> , 2012, 35, 381-391.	1.2	86
13	Correspondence of AQP4 expression and hypoxic-ischaemic brain oedema monitored by magnetic resonance imaging in the immature and juvenile rat. <i>European Journal of Neuroscience</i> , 2004, 19, 2261-2269.	1.2	85
14	Transient blood pressure changes affect the functional magnetic resonance imaging detection of cerebral activation. <i>NeuroImage</i> , 2006, 31, 1-11.	2.1	85
15	Extravascular proton-density changes as a non-BOLD component of contrast in fMRI of the human spinal cord. <i>Magnetic Resonance in Medicine</i> , 2002, 48, 122-127.	1.9	81
16	Kinetic analysis of novel mono- and multivalent VHH fragments and their application for molecular imaging of brain tumours. <i>British Journal of Pharmacology</i> , 2010, 160, 1016-1028.	2.7	72
17	Use of mutually inductive coupling in probe design. <i>Concepts in Magnetic Resonance</i> , 2002, 15, 262-285.	1.3	67
18	Evaluation of brain tumor vessels specific contrast agents for glioblastoma imaging. <i>Neuro-Oncology</i> , 2012, 14, 53-63.	0.6	66

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19	Design and Regulation of NaHoF ₄ and NaDyF ₄ Nanoparticles for High-Field Magnetic Resonance Imaging. <i>Chemistry of Materials</i> , 2016, 28, 3060-3072.	3.2	65
20	Functional magnetic resonance imaging of the human cervical spinal cord with stimulation of different sensory dermatomes. <i>Magnetic Resonance Imaging</i> , 2002, 20, 1-6.	1.0	62
21	Functional magnetic resonance imaging of tonic pain and vasopressor effects in rats. <i>Magnetic Resonance Imaging</i> , 2002, 20, 707-712.	1.0	59
22	Characterization of contrast changes in functional MRI of the human spinal cord at 1.5 T. <i>Magnetic Resonance Imaging</i> , 2001, 19, 833-838.	1.0	58
23	Functional magnetic resonance imaging of the human brain based on signal enhancement by extravascular protons (SEEP fMRI). <i>Magnetic Resonance in Medicine</i> , 2003, 49, 433-439.	1.9	52
24	Spin-echo versus gradient-echo fMRI with short echo times. <i>Magnetic Resonance Imaging</i> , 2001, 19, 827-831.	1.0	51
25	Intraoperative Assessment of Aneurysm Clipping Using Magnetic Resonance Angiography and Diffusion-weighted Imaging: Technical Case Report. <i>Neurosurgery</i> , 2002, 50, 893-898.	0.6	46
26	Magnetic resonance molecular imaging of post-stroke neuroinflammation with a P-selectin targeted iron oxide nanoparticle. <i>Contrast Media and Molecular Imaging</i> , 2009, 4, 305-311.	0.4	45
27	Superparamagnetic iron oxide does not affect the viability and function of adipose-derived stem cells, and superparamagnetic iron oxide-enhanced magnetic resonance imaging identifies viable cells. <i>Magnetic Resonance Imaging</i> , 2009, 27, 108-119.	1.0	45
28	Lactate Storm Marks Cerebral Metabolism following Brain Trauma. <i>Journal of Biological Chemistry</i> , 2014, 289, 20200-20208.	1.6	44
29	Hyperpolarized and Inert Gas MRI: The Future. <i>Molecular Imaging and Biology</i> , 2015, 17, 149-162.	1.3	44
30	N-Glycomic Changes in Human Breast Carcinoma MCF-7 and T-Lymphoblastoid Cells After Treatment with Herceptin and Herceptin/Lipoplex. <i>Journal of Proteome Research</i> , 2010, 9, 1533-1540.	1.8	42
31	Synthesis, characterization, and evaluation of PEGylated first-row transition metal ferrite nanoparticles as T ₂ contrast agents for high-field MRI. <i>RSC Advances</i> , 2017, 7, 38125-38134.	1.7	41
32	Pain modulates cerebral activity during cognitive performance. <i>NeuroImage</i> , 2003, 19, 655-664.	2.1	40
33	Default Mode Network Functional Connectivity Altered in Failed Back Surgery Syndrome. <i>Journal of Pain</i> , 2013, 14, 483-491.	0.7	37
34	Evolution of Magnetic Resonance Imaging Changes Associated with Cerebral Hypoxia-Ischemia and a Relatively Selective White Matter Injury in Neonatal Rats. <i>Pediatric Research</i> , 2006, 59, 554-559.	1.1	35
35	The engineering of an interventional MRI with a movable 1.5 Tesla magnet. <i>Journal of Magnetic Resonance Imaging</i> , 2001, 13, 78-86.	1.9	33
36	Keeping the heart empty and beating improves preservation of hypertrophied hearts for valve surgery. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2006, 132, 1314-1320.	0.4	33

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37	Blood-Oxygen-Level-Dependent Magnetic Resonance Signal and Cerebral Oxygenation Responses to Brain Activation are Enhanced by Concurrent Transient Hypertension in Rats. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2007, 27, 1280-1289.	2.4	32
38	Human cervical spinal cord funiculi: Investigation with magnetic resonance diffusion tensor imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2010, 31, 829-837.	1.9	30
39	Brain Tumor Surgery With 3-Dimensional Surface Navigation. <i>Operative Neurosurgery</i> , 2012, 71, ons286-ons295.	0.4	30
40	Convertible pneumatic actuator for magnetic resonance elastography of the brain. <i>Magnetic Resonance Imaging</i> , 2011, 29, 147-152.	1.0	28
41	Analysis of Ovariectomy and Estrogen Effects on Body Composition in Rats by X-Ray and Magnetic Resonance Imaging Techniques. <i>Journal of Bone and Mineral Research</i> , 2000, 15, 138-146.	3.1	27
42	Tractography of Meyer's Loop asymmetries. <i>Epilepsy Research</i> , 2014, 108, 872-882.	0.8	27
43	Evaluation of blood-brain barrier-stealth nanocomposites for in situ glioblastoma theranostics applications. <i>Nanoscale</i> , 2016, 8, 7866-7870.	2.8	26
44	Simple phase method for measurement of magnetic field gradient waveforms. <i>Magnetic Resonance Imaging</i> , 2007, 25, 1272-1276.	1.0	25
45	MR imaging of teeth using a silent single point imaging technique. <i>Applied Physics A: Materials Science and Processing</i> , 2007, 88, 763-767.	1.1	25
46	Development of Acute Edema Following Cerebral Hypoxia-Ischemia in Neonatal Compared with Juvenile Rats Using Magnetic Resonance Imaging. <i>Pediatric Research</i> , 2004, 55, 101-106.	1.1	24
47	Simultaneous functional magnetic resonance imaging in the rat spinal cord and brain. <i>Experimental Neurology</i> , 2006, 197, 458-464.	2.0	23
48	Magnetic Resonance Microscopy for Assessment of Morphological Changes in Hydrating Hydroxypropylmethyl Cellulose Matrix Tablets In Situ. <i>Pharmaceutical Research</i> , 2012, 29, 3420-3433.	1.7	22
49	A volume microstrip RF coil for MRI microscopy. <i>Magnetic Resonance Imaging</i> , 2012, 30, 70-77.	1.0	21
50	Magnetic Resonance Microscopy for Assessment of Morphological Changes in Hydrating Hydroxypropylmethylcellulose Matrix Tablets In Situ—Is it Possible to Detect Phenomena Related to Drug Dissolution Within the Hydrated Matrices?. <i>Pharmaceutical Research</i> , 2014, 31, 2383-2392.	1.7	21
51	Does Normothermic Normokalemic Simultaneous Antegrade/Retrograde Perfusion Improve Myocardial Oxygenation and Energy Metabolism for Hypertrophied Hearts?. <i>Annals of Thoracic Surgery</i> , 2007, 83, 1751-1758.	0.7	20
52	Single-point imaging with a variable phase encoding interval. <i>Magnetic Resonance Imaging</i> , 2008, 26, 109-116.	1.0	19
53	Molecular susceptibility weighted imaging of the glioma rim in a mouse model. <i>Journal of Neuroscience Methods</i> , 2014, 226, 132-138.	1.3	19
54	Validation of Inner, Second, and Outer Sphere Contributions to T_1 and T_2 Relaxation in Gd^{3+} -Based Nanoparticles Using Eu^{3+} Lifetime Decay as a Probe. <i>Journal of Physical Chemistry C</i> , 2018, 122, 11557-11569.	1.5	19

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55	Dual surface coil with high-B1 homogeneity for deep organ MR imaging. <i>Magnetic Resonance Imaging</i> , 1997, 15, 1199-1204.	1.0	18
56	Cerebral blood flow response to a hypoxic-ischemic insult differs in neonatal and juvenile rats. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2004, 17, 117-124.	1.1	18
57	Double-frequency birdcage volume coils for 4.7T and 7T. <i>Concepts in Magnetic Resonance Part B</i> , 2005, 26B, 16-22.	0.3	18
58	Bloch simulations with intra-voxel spin dephasing. <i>Journal of Magnetic Resonance</i> , 2010, 203, 44-51.	1.2	18
59	Optimal dye-quencher pairs for the design of an "activatable" nanoprobe for optical imaging. <i>Photochemical and Photobiological Sciences</i> , 2013, 12, 1824.	1.6	18
60	Probe with chest shielding for improved breast MRI. <i>Magnetic Resonance in Medicine</i> , 2000, 43, 917-920.	1.9	17
61	The application of ¹⁹ F magnetic resonance ex vivo imaging of three-dimensional cultured breast cancer cells to study the effect of Î-tocopherol. <i>Analytical Biochemistry</i> , 2009, 387, 315-317.	1.1	17
62	Combined treatment of human MCF-7 breast carcinoma with antibody, cationic lipid and hyaluronic acid using ex vivo assays. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2010, 51, 192-201.	1.4	16
63	Comparison of T2 and T2 *-weighted MR molecular imaging of a mouse model of glioma. <i>BMC Medical Imaging</i> , 2013, 13, 20.	1.4	16
64	Detection of ¹⁹ F-labeled biopharmaceuticals in cell cultures with magnetic resonance. <i>Advanced Drug Delivery Reviews</i> , 2013, 65, 1056-1064.	6.6	16
65	High-resolution MRI encoding using radiofrequency phase gradients. <i>NMR in Biomedicine</i> , 2013, 26, 1602-1607.	1.6	16
66	Derivatives of thicolchicine and its applications to CEM cells treatment using ¹⁹ F Magnetic Resonance ex vivo. <i>Bioorganic Chemistry</i> , 2010, 38, 1-6.	2.0	15
67	B1 transmit phase gradient coil for single-axis TRASE RF encoding. <i>Magnetic Resonance Imaging</i> , 2013, 31, 891-899.	1.0	15
68	Functional magnetic resonance imaging within the rat spinal cord following peripheral nerve injury. <i>NeuroImage</i> , 2007, 38, 669-676.	2.1	14
69	The integration of real and virtual magnetic resonance imaging experiments in a single instrument. <i>Review of Scientific Instruments</i> , 2009, 80, 093709.	0.6	14
70	K-space trajectory mapping and its application for ultrashort Echo time imaging. <i>Magnetic Resonance Imaging</i> , 2017, 36, 68-76.	1.0	14
71	Colloidally Stable Monodisperse Fe Nanoparticles as ² Contrast Agents for High-Field Clinical and Preclinical Magnetic Resonance Imaging. <i>ACS Applied Nano Materials</i> , 2021, 4, 1235-1242.	2.4	14
72	MR spectroscopy using multi-ring surface coils. <i>Magnetic Resonance in Medicine</i> , 1999, 42, 655-664.	1.9	13

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73	An optimized solenoidal head radiofrequency coil for low-field magnetic resonance imaging. <i>Magnetic Resonance Imaging</i> , 2009, 27, 1302-1308.	1.0	13
74	Characterization of food stuffs using Magnetic Resonance Elastography. <i>Food Research International</i> , 2010, 43, 2087-2092.	2.9	13
75	Application of ¹⁹ F magnetic resonance to study the efficacy of fluorine labeled drugs in the three-dimensional cultured breast cancer cells. <i>Archives of Biochemistry and Biophysics</i> , 2010, 493, 234-241.	1.4	13
76	Quantitative assessment of cardiac output and left ventricular function by noninvasive phase-contrast and cine MRI: Validation study with invasive pressure-volume loop analysis in a swine model. <i>Journal of Magnetic Resonance Imaging</i> , 2011, 34, 203-210.	1.9	13
77	Alterations in Glycopeptides Associated with Herceptin Treatment of Human Breast Carcinoma MCF-7 and T-Lymphoblastoid Cells. <i>Molecular and Cellular Proteomics</i> , 2011, 10, M111.007765.	2.5	13
78	In Vivo Open-Bore MRI Reveals Region- and Sub-Arc-Specific Lengthening of the Unloaded Human Posterior Cruciate Ligament. <i>PLoS ONE</i> , 2012, 7, e48714.	1.1	13
79	HyperCEST detection of cucurbit[6]uril in whole blood using an ultrashort saturation Pre-pulse train. <i>Contrast Media and Molecular Imaging</i> , 2016, 11, 285-290.	0.4	13
80	Bifunctional Pyrrolidin-2-one Terminated Manganese Oxide Nanoparticles for Combined Magnetic Resonance and Fluorescence Imaging. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 13069-13078.	4.0	13
81	Detection of T2 changes in an early mouse brain tumor. <i>Magnetic Resonance Imaging</i> , 2010, 28, 784-789.	1.0	12
82	Detection of fluorine labeled Herceptin using cellular ¹⁹ F MRI ex vivo. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2010, 51, 894-900.	1.4	11
83	Ex vivo assays of CEM cells cultured and treated in the three dimensional cultures. <i>Biomedicine and Pharmacotherapy</i> , 2010, 64, 390-395.	2.5	11
84	A pixel is an artifact: On the necessity of zero-filling in fourier imaging. <i>Concepts in Magnetic Resonance Part A: Bridging Education and Research</i> , 2013, 42A, 32-44.	0.2	11
85	Functional MRI of the thoracic spinal cord during vibration sensation. <i>Journal of Magnetic Resonance Imaging</i> , 2013, 37, 981-985.	1.9	11
86	A Short and Light, Sparse Dipolar Halbach Magnet for MRI. <i>IEEE Access</i> , 2021, 9, 95294-95303.	2.6	11
87	Magnetic resonance microscopy of internal structure of drone and queen honey bees. <i>Journal of Apicultural Research</i> , 1996, 35, 3-9.	0.7	10
88	High-resolution imaging at 3T and 7T with multiring local volume coils. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2004, 16, 167-173.	1.1	10
89	The efficacy of new colchicine derivatives and viability of the T-Lymphoblastoid cells in three-dimensional culture using ¹⁹ F MRI and HPLC-UV ex vivo. <i>Bioorganic Chemistry</i> , 2009, 37, 193-201.	2.0	10
90	Maltol-Functionalized Fe ₃ O ₄ Nanoparticles as T ₂ Magnetic Resonance Imaging Contrast Agents. <i>ChemistrySelect</i> , 2016, 1, 1602-1606.	0.7	10

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91	An NMR technique for measurement of magnetic field gradient waveforms. Journal of Magnetic Resonance, 2003, 162, 189-197.	1.2	9
92	Identification of chronic myocardial infarction with extracellular or intravascular contrast agents in magnetic resonance imaging. Acta Pharmacologica Sinica, 2008, 29, 65-73.	2.8	9
93	LyP-1 Conjugated Nanoparticles for Magnetic Resonance Imaging of Triple Negative Breast Cancer. Molecular Imaging and Biology, 2018, 20, 428-435.	1.3	9
94	Functional magnetic resonance imaging of the human brain and spinal cord by means of signal enhancement by extravascular protons. Concepts in Magnetic Resonance, 2003, 16A, 28-34.	1.3	8
95	Doubly tunable double ring surface coil. Concepts in Magnetic Resonance, 2003, 17B, 11-16.	1.3	8
96	19F MRI of 3D CEM cells to study the effects of tocopherols and tocotrienols. Journal of Pharmaceutical and Biomedical Analysis, 2010, 53, 599-602.	1.4	8
97	Design of a high power PIN diode controlled switchable RF transmit array for TRASE RF imaging. Concepts in Magnetic Resonance Part B, 2018, 48B, .	0.3	8
98	Magnetic Resonance Imaging of Seeds by Use of Single Point Acquisition. Journal of Agricultural and Food Chemistry, 2004, 52, 4979-4983.	2.4	7
99	An RF breast coil for 0.2 T MRI. Concepts in Magnetic Resonance Part B, 2016, 46, 3-7.	0.3	7
100	MRI-based assessment of liver perfusion and hepatocyte injury in the murine model of acute hepatitis. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2016, 29, 789-798.	1.1	7
101	Single point imaging with suppressed sound pressure levels through gradient-shape adjustment. Journal of Magnetic Resonance, 2004, 170, 177-183.	1.2	6
102	Alternate antegrade/retrograde perfusion: an effective technique to preserve hypertrophied hearts during valvular surgery. European Journal of Cardio-thoracic Surgery, 2009, 35, 69-76.	0.6	6
103	Symmetry of the fornix using diffusion tensor imaging. Journal of Magnetic Resonance Imaging, 2014, 40, 929-936.	1.9	6
104	Shape-controlled MnO nanoparticles as T1 MRI contrast agents. AIP Advances, 2019, 9, .	0.6	6
105	Target-Specific Magnetic Resonance Imaging of Human Prostate Adenocarcinoma Using NaDyF4@NaGdF4 Core-Shell Nanoparticles. ACS Applied Materials & Interfaces, 2021, 13, 24345-24355.	4.0	6
106	High-field magnetic resonance imaging: Challenges, advantages, and opportunities for novel contrast agents. Chemical Physics Reviews, 2022, 3, .	2.6	6
107	Differential Progression of Magnetization Transfer Imaging Changes Depending on Severity of Cerebral Hypoxic-Ischemic Injury. Journal of Cerebral Blood Flow and Metabolism, 2008, 28, 1613-1623.	2.4	5
108	A comparison of MR imaging of a mouse model of glioma at 0.2 T and 9.4 T. Journal of Neuroscience Methods, 2012, 204, 118-123.	1.3	5

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109	White and gray matter contrast enhancement in MR images of the mouse brain in vivo using IR UTE with a cryo-coil at 9.4T. <i>Journal of Neuroscience Methods</i> , 2014, 232, 30-35.	1.3	5
110	A review of new approaches in Her-2 targeting and 1H MRI application. <i>Medicinal Chemistry Research</i> , 2015, 24, 1365-1368.	1.1	5
111	Challenges in developing a magnetic resonance compatible haptic hand-controller for neurosurgical training. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2018, 232, 1148-1167.	1.0	5
112	Double EPI sequence with 180° RF pulses. <i>Magnetic Resonance in Medicine</i> , 1990, 16, 161-165.	1.9	4
113	Detection of trastuzumab efficacy using 1H MRI ex vivo of breast cancer cells. <i>Medicinal Chemistry Research</i> , 2012, 21, 2316-2319.	1.1	4
114	Mapping myocardial viability using interleaved T1-T2*weighted imaging. <i>International Journal of Cardiovascular Imaging</i> , 2004, 20, 135-143.	0.7	3
115	Monitoring of 3D breast carcinoma cell culture using proton magnetic resonance imaging. <i>Medicinal Chemistry Research</i> , 2010, 19, 1153-1161.	1.1	3
116	The effect of coating of Fe3O4/silica core/shell nanoparticles on T2 relaxation time at 9.4T. <i>EPJ Applied Physics</i> , 2011, 55, 10401.	0.3	3
117	Magnetic resonance assays of haloperidol in human serum albumin. <i>Medicinal Chemistry Research</i> , 2011, 20, 62-66.	1.1	3
118	Influence of k-space trajectory corrections on proton density mapping with ultrashort echo time imaging: Application for imaging of short T2 components in white matter. <i>Magnetic Resonance Imaging</i> , 2018, 51, 87-95.	1.0	3
119	MR imaging of tissue near aneurysm clips using short- and zero time MR sequences. <i>Measurement: Journal of the International Measurement Confederation</i> , 2018, 130, 398-403.	2.5	3
120	A high duty-cycle, multi-channel, power amplifier for high-resolution radiofrequency encoded magnetic resonance imaging. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2019, 32, 679-692.	1.1	3
121	Compact MRI for Astronaut Physiological Research and Medical Diagnosis. , 2012, , .		2
122	Collective Correlations of Brodmann Areas fMRI Study with RMT-Denoising. <i>Acta Physica Polonica B</i> , 2013, 44, 1243.	0.3	2
123	The synthesis and application of vitamins in nanoemulsion delivery systems. , 2016, , 519-555.		2
124	A quadrature volume RF coil for vertical B ₀ field open MRI systems. <i>Concepts in Magnetic Resonance Part B</i> , 2016, 46B, 118-122.	0.3	2
125	Simple compensation method for improved half-pulse excitation profile with rephasing gradient. <i>Magnetic Resonance in Medicine</i> , 2020, 84, 1796-1805.	1.9	2
126	AN INTEGRATED RADIO FREQUENCY PROBE AND CRANIAL CLAMP FOR INTRAOPERATIVE MAGNETIC RESONANCE IMAGING. <i>Operative Neurosurgery</i> , 2007, 60, E179-E180.	0.4	1

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127	Low-temperature first-order reversal curves and interaction effects on assemblies of iron oxide nanoparticles. <i>Physica B: Condensed Matter</i> , 2009, 404, 3666-3670.	1.3	1
128	Site-specific conjugation of the quencher on peptide's N-terminal for the synthesis of a targeted non-spreading activatable optical probe. <i>Journal of Peptide Science</i> , 2016, 22, 415-420.	0.8	1
129	A multifrequency narrow band-pass filter. <i>Concepts in Magnetic Resonance Part B</i> , 2008, 33B, 145-151.	0.3	0
130	The effect of coating of Fe ₃ O ₄ /silica core/shell nanoparticles on T ₂ relaxation time at 9.4 T. <i>EPJ Applied Physics</i> , 2011, 56, 11401.	0.3	0
131	Improvements in MR imaging of solids through gradient waveform optimization. <i>Canadian Journal of Chemistry</i> , 2011, 89, 729-736.	0.6	0
132	Corrigendum to "Alternate antegrade/retrograde perfusion: an effective technique to preserve hypertrophied hearts during valvular surgery" [Eur. J. Cardiothorac. Surg. 35 (2009) 69-76]. <i>European Journal of Cardio-thoracic Surgery</i> , 2011, 39, 802.	0.6	0
133	Non-invasive Determination of Functional and Structural Properties of Materials. Special Publication - Royal Society of Chemistry, 2013, , 103-111.	0.0	0
134	K-space trajectory calibration for improved precision of quantitative ultrashort echo time imaging. , 2017, , .		0
135	<title>Simultaneous near-IR spectroscopy and magnetic resonance imaging to assess cerebral oxygenation and brain water during hypoxia-ischemia in two-week-old rats</title>. , 2001, , .		0
136	Transient increases in blood pressure affect sensory-motor activation following stroke using functional MR imaging in the rat. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005, 25, S402-S402.	2.4	0