Robert E Lenkinski

List of Publications by Year
in descending order

284	15,170	18482 62	24258 110
papers	citations	h-index	g-index

303	303	303	15112
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Lactate Metabolism in Human Lung Tumors. Cell, 2017, 171, 358-371.e9.	28.9	899
2	Metabolic Heterogeneity in Human Lung Tumors. Cell, 2016, 164, 681-694.	28.9	830
3	PARACEST Agents:â€‰ Modulating MRI Contrast via Water Proton Exchange. Accounts of Chemical Research, 2003, 36, 783-790.	15.6	433
4	In vivo near-infrared fluorescence imaging of osteoblastic activity. Nature Biotechnology, 2001, 19, 1148-1154.	17.5	371
5	Primer on gadolinium chemistry. Journal of Magnetic Resonance Imaging, 2009, 30, 1240-1248.	3.4	335
6	Radio-Frequency Thermal Ablation with NaCl Solution Injection: Effect of Electrical Conductivity on Tissue Heating and Coagulationâ€”Phantom and Porcine Liver Study. Radiology, 2001, 219, 157-165.	7.3	258
7	CEST: From basic principles to applications, challenges and opportunities. Journal of Magnetic Resonance, 2013, 229, 155-172.	2.1	257
8	Rotator cuff tears: diagnostic performance of MR imaging.. Radiology, 1989, 172, 223-229.	7.3	254
9	Clinical Utility of Proton Magnetic Resonance Spectroscopy in Characterizing Breast Lesions. Journal of the National Cancer Institute, 2002, 94, 1197-1203.	6.3	242
10	Prostate cancer: local staging with endorectal surface coil MR imaging.. Radiology, 1991, 178, 797-802.	7.3	224
11	Current role of MR imaging in the staging of adenocarcinoma of the prostate.. Radiology, 1993, 189, 339-352.	7.3	220
12	Human breast lesions: characterization with proton MR spectroscopy.. Radiology, 1998, 209, 269-275.	7.3	219
13	Prostate Cancer: Accurate Determination of Extracapsular Extension with High-Spatial-Resolution Dynamic Contrast-enhanced and T2-weighted MR Imagingâ€”Initial Results. Radiology, 2007, 245, 176-185.	7.3	217
14	Prostate: MR imaging with an endorectal surface coil.. Radiology, 1989, 172, 570-574.	7.3	213
15	Gadolinium Retention: A Research Roadmap from the 2018 NIH/ACR/RSNA Workshop on Gadolinium Chelates. Radiology, 2018, 289, 517-534.	7.3	208
16	Proton magnetic resonance spectroscopy for detection of axonal injury in the splenium of the corpus callosum of brain-injured patients. Journal of Neurosurgery, 1998, 88, 795-801.	1.6	203
17	Interpretation of the pseudocontact model for nuclear magnetic resonance shift reagents. I. Agreement factor, R. Journal of the American Chemical Society, 1972, 94, 1742-1744.	13.7	188
18	A multicenter in vivo proton-MRS study of HIV-associated dementia and its relationship to age. NeuroImage, 2004, 23, 1336-1347.	4.2	180

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19	A concentration-independent method to measure exchange rates in PARACEST agents. Magnetic Resonance in Medicine, 2010, 63, 625-632.	3.0	176
20	Radiofrequency Ablation: Effect of Surrounding Tissue Composition on Coagulation Necrosis in a Canine Tumor Model. Radiology, 2004, 230, 761-767.	7.3	167
21	A systematic literature review of magnetic resonance spectroscopy for the characterization of brain tumors. American Journal of Neuroradiology, 2006, 27, 1404-11.	2.4	160
22	Gadolinium-Loaded Nanoparticles:â€‰ New Contrast Agents for Magnetic Resonance Imaging. Journal of the American Chemical Society, 2000, 122, 8940-8945.	13.7	153
23	The evaluation of human breast lesions with magnetic resonance imaging and proton magnetic resonance spectroscopy. Breast Cancer Research and Treatment, 2001, 68, 45-54.	2.5	153
24	Transient central nervous system white matter abnormality in X-linked Charcot-Marie-Tooth disease. Annals of Neurology, 2002, 52, 429-434.	5.3	150
25	Memantine and HIV-associated cognitive impairment: a neuropsychological and proton magnetic resonance spectroscopy study. Aids, 2007, 21, 1877-1886.	2.2	141
26	Renal perfusion in humans: MR imaging with spin tagging of arterial water.. Radiology, 1995, 196, 281-286.	7.3	139
27	MR imaging of the prostate at 3 tesla. Academic Radiology, 2004, 11, 857-862.	2.5	132
28	Body MR Imaging at 3.0 T: Understanding the Opportunities and Challenges. Radiographics, 2007, 27, 1445-1462.	3.3	127
29	Magnetization transfer imaging and proton MR spectroscopy in the evaluation of axonal injury: correlation with clinical outcome after traumatic brain injury. American Journal of Neuroradiology, 2001, 22, 143-51.	2.4	127
30	CEST and PARACEST MR contrast agents. Acta Radiologica, 2010, 51, 910-923.	1.1	123
31	Detection of Breast Cancer Microcalcifications Using a Dual-modality SPECT/NIR Fluorescent Probe. Journal of the American Chemical Society, 2008, 130, 17648-17649.	13.7	119
32	Proton MR spectroscopy of HIV-infected patients: characterization of abnormalities with imaging and clinical correlation.. Radiology, 1993, 186, 739-744.	7.3	116
33	Sodium MRI of the human kidney at 3 Tesla. Magnetic Resonance in Medicine, 2006, 56, 1229-1234.	3.0	116
34	Biochemical changes in the frontal lobe of HIV-infected individuals detected by magnetic resonance spectroscopy. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 9854-9859.	7.1	115
35	Effects of anti-viral therapy and HCV clearance on cerebral metabolism and cognition. Journal of Hepatology, 2012, 56, 549-556.	3.7	115
36	Radiofrequency Ablation: Importance of Background Tissue Electrical Conductivityâ€”An Agar Phantom and Computer Modeling Study. Radiology, 2005, 236, 495-502.	7.3	114

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37	Central gland and peripheral zone prostate tumors have significantly different quantitative imaging signatures on 3 tesla endorectal, in vivo T2â€weighted MR imagery. Journal of Magnetic Resonance Imaging, 2012, 36, 213-224.	3.4	112
38	Does Arterial Spin-labeling MR Imagingâ€“measured Tumor Perfusion Correlate with Renal Cell Cancer Response to Antiangiogenic Therapy in a Mouse Model?. Radiology, 2009, 251, 731-742.	7.3	111
39	Elastic registration of multimodal prostate MRI and histology via multiattribute combined mutual information. Medical Physics, 2011, 38, 2005-2018.	3.0	100
40	Spectral detector CT-derived virtual non-contrast images: comparison of attenuation values with unenhanced CT. Abdominal Radiology, 2017, 42, 702-709.	2.1	96
41	Proton Magnetic Resonance Spectroscopy in the Frontal and Temporal Lobes of Neuroleptic Naive Patients with Schizophrenia. Neuropsychopharmacology, 1999, 20, 131-140.	5.4	93
42	Correlation of spectroscopy and magnetization transfer imaging in the evaluation of demyelinating lesions and normal appearing white matter in multiple sclerosis. Magnetic Resonance in Medicine, 1994, 32, 285-293.	3.0	90
43	Improved Coagulation with Saline Solution Pretreatment during Radiofrequency Tumor Ablation in a Canine Model. Journal of Vascular and Interventional Radiology, 2002, 13, 717-724.	0.5	89
44	A multi-center1H MRS study of the AIDS dementia complex: Validation and preliminary analysis. Journal of Magnetic Resonance Imaging, 2003, 17, 625-633.	3.4	88
45	Effects of Motor Cortex Modulation and Descending Inhibitory Systems on Pain Thresholds in Healthy Subjects. Journal of Pain, 2012, 13, 450-458.	1.4	87
46	Recent advances in magnetic resonance neurospectroscopy. Neurotherapeutics, 2007, 4, 330-345.	4.4	85
47	Filamin B mutations cause chondrocyte defects in skeletal development. Human Molecular Genetics, 2007, 16, 1661-1675.	2.9	83
48	Nuclear magnetic resonance studies of the denaturation of ubiquitin. Biochimica Et Biophysica Acta (BBA) - Protein Structure, 1977, 494, 126-130.	1.7	81
49	Magnetic Resonance Spectroscopy of Diffuse Brain Trauma in the Pig. Journal of Neurotrauma, 1998, 15, 665-674.	3.4	80
50	Magnetization Transfer Imaging of Diffuse Axonal Injury Following Experimental Brain Injury in the Pig: Characterization by Magnetization Transfer Ratio with Histopathologic Correlation. Journal of Computer Assisted Tomography, 1996, 20, 540-546.	0.9	80
51	Clinical effects and brain metabolic correlates in non-invasive cortical neuromodulation for visceral pain. European Journal of Pain, 2011, 15, 53-60.	2.8	79
52	Lactate production by human monocytes/macrophages determined by proton mr spectroscopy. Magnetic Resonance in Medicine, 1995, 34, 32-38.	3.0	75
53	Proton MRS and Neuropsychological Correlates in AIDS Dementia Complex: Evidence of Subcortical Specificity. Journal of Neuropsychiatry and Clinical Neurosciences, 2007, 19, 283-292.	1.8	75
54	On-target Inhibition of Tumor Fermentative Glycolysis as Visualized by Hyperpolarized Pyruvate. Neoplasia, 2011, 13, 60-71.	5.3	75

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55	Radiofrequency Ablation: Modeling the Enhanced Temperature Response to Adjuvant NaCl Pretreatment. Radiology, 2004, 230, 175-182.	7.3	73
56	Nephrogenic Systemic Fibrosis: A Chemical Perspective. Radiology, 2008, 247, 608-612.	7.3	72
57	High-Field Proton Magnetic Resonance Spectroscopy of a Swine Model for Axonal Injury. Journal of Neurochemistry, 2002, 70, 2038-2044.	3.9	69
58	3T MR of the prostate: Reducing susceptibility gradients by inflating the endorectal coil with a barium sulfate suspension. Magnetic Resonance in Medicine, 2007, 57, 898-904.	3.0	68
59	Magnetic resonance imaging of the brain: Blood partition coefficient for water: Application to spin-tagging measurement of perfusion. Journal of Magnetic Resonance Imaging, 1996, 6, 363-366.	3.4	67
60	Colorectal tumors: an in vitro study of high-resolution MR imaging.. Radiology, 1990, 177, 695-701.	7.3	65
61	Determinations of prostate volume at 3-tesla using an external phased array coil. Academic Radiology, 2003, 10, 846-853.	2.5	65
62	1H magnetic resonance spectroscopy characterization of neuronal dysfunction in drug-neive, chronic schizophrenia. Academic Radiology, 1994, 1, 211-216.	2.5	64
63	MRI detection of paramagnetic chemical exchange effects in mice kidneys in vivo. Magnetic Resonance in Medicine, 2007, 58, 650-655.	3.0	64
64	MR Neurography of Brachial Plexus at 3.0 T with Robust Fat and Blood Suppression. Radiology, 2017, 283, 538-546.	7.3	64
65	Exposure to Lead Appears to Selectively Alter Metabolism of Cortical Gray Matter. Pediatrics, 2001, 107, 1437-1442.	2.1	63
66	Breathhold abdominal and thoracic proton MR spectroscopy at 3T. Magnetic Resonance in Medicine, 2003, 50, 461-467.	3.0	63
67	New Magnetic Resonance Imaging Techniques for the Evaluation of Traumatic Brain Injury. Journal of Neurotrauma, 1995, 12, 573-577.	3.4	62
68	Pulmonary Perfusion: Respiratory-triggered Three-dimensional MR Imaging with Arterial Spin Taggingâ€"Preliminary Results in Healthy Volunteers. Radiology, 1999, 212, 890-895.	7.3	62
69	Radiofrequency Tumor Ablation: Insight into Improved Efficacy Using Computer Modeling. American Journal of Roentgenology, 2005, 184, 1347-1352.	2.2	61
70	Determining histology-MRI slice correspondences for defining MRI-based disease signatures of prostate cancer. Computerized Medical Imaging and Graphics, 2011, 35, 568-578.	5.8	61
71	Quantitative comparison of magnetic resonance imaging (MRI) and histologic analyses of focal ischemic damage in the rat. Brain Research Bulletin, 1991, 26, 285-291.	3.0	60
72	A multislice gradient echo pulse sequence for CEST imaging. Magnetic Resonance in Medicine, 2010, 63, 253-256.	3.0	59

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73	Near-infrared fluorescence imaging of microcalcification in an animal model of breast cancer1. Academic Radiology, 2003, 10, 1159-1164.	2.5	57
74	On-resonance low B1 pulses for imaging of the effects of PARACEST agents. Journal of Magnetic Resonance, 2005, 176, 54-63.	2.1	54
75	pH imaging of mouse kidneys in vivo using a frequencyâ€dependent paraCEST agent. Magnetic Resonance in Medicine, 2016, 75, 2432-2441.	3.0	54
76	1H Spectroscopy without Solvent Suppression: Characterization of Signal Modulations at Short Echo Times. Journal of Magnetic Resonance, 2001, 153, 203-209.	2.1	53
77	Deuteration of a molecular probe for DNP hyperpolarization â€“ a new approach and validation for choline chloride. Contrast Media and Molecular Imaging, 2011, 6, 499-506.	0.8	53
78	MR proton spectroscopy in multiple sclerosis. American Journal of Neuroradiology, 1992, 13, 1535-43.	2.4	53
79	Strategies for shimming the breast. Magnetic Resonance in Medicine, 2005, 54, 1139-1145.	3.0	51
80	Interpretation of the pseudocontact model for nuclear magnetic resonance shift reagents. IV. Evaluation of lanthanide-induced carbon-13 contact vs. pseudocontact nuclear magnetic resonance shifts. Journal of the American Chemical Society, 1973, 95, 3389-3390.	13.7	50
81	3 Tesla magnetic resonance imaging of the prostate with combined pelvic phased-array and endorectal coils. Academic Radiology, 2004, 11, 863-867.	2.5	49
82	Aqueous shift reagents for high-resolution cationic nuclear magnetic resonance. 2. Magnesium-25, potassium-39, and sodium-23 resonances shifted by chelidamate complexes of dysprosium(III) and thulium(III). Inorganic Chemistry, 1983, 22, 2388-2392.	4.0	48
83	Elevation of myoinositol is associated with disease containment in progressive multifocal leukoencephalopathy. Neurology, 2004, 63, 897-900.	1.1	48
84	Keyhole chemical exchange saturation transfer. Magnetic Resonance in Medicine, 2012, 68, 1228-1233.	3.0	48
85	CESTâ€Dixon for human breast lesion characterization at 3 T: A preliminary study. Magnetic Resonance in Medicine, 2018, 80, 895-903.	3.0	48
86	Interrater Reliability in Assessing Quality of Diagnostic Accuracy Studies Using the QUADAS Tool. Academic Radiology, 2006, 13, 803-810.	2.5	47
87	Integrated MR imaging and spectroscopy with chemical shift imaging of P-31 at 1.5 T: initial clinical experience.. Radiology, 1988, 169, 201-206.	7.3	46
88	Fat suppression by section-select gradient reversal on spin-echo MR imaging. Work in progress.. Radiology, 1988, 168, 493-495.	7.3	46
89	Cervical carcinoma: MR imaging with an endorectal surface coil.. Radiology, 1991, 180, 91-95.	7.3	46
90	Investigation of Central Nervous System Dysfunction in Chronic Pelvic Pain Using Magnetic Resonance Spectroscopy and Noninvasive Brain Stimulation. Pain Practice, 2015, 15, 423-432.	1.9	45

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91	A nuclear magnetic resonance study of the self-association of adriamycin and daunomycin in aqueous solution. Canadian Journal of Chemistry, 1985, 63, 1233-1238.	1.1	44
92	Accurate Prostate Volume Estimation Using Multifeature Active Shape Models on T2-weighted MRI. Academic Radiology, 2011, 18, 745-754.	2.5	44
93	Simultaneous PML-IRIS after discontinuation of natalizumab in a patient with MS. Neurology, 2012, 78, 1390-1393.	1.1	43
94	Humoral Bone Morphogenetic Protein 2 Is Sufficient for Inducing Breast Cancer Microcalcification. Molecular Imaging, 2008, 7, 7290.2008.00018.	1.4	42
95	Interaction of gadoliniumâ€based MR contrast agents with choline: Implications for MR spectroscopy (MRS) of the breast. Magnetic Resonance in Medicine, 2009, 61, 1286-1292.	3.0	42
96	Metabolic profile of PML lesions in patients with and without IRIS. Neurology, 2012, 79, 1041-1048.	1.1	40
97	Mechanisms of Action of Liraglutide in Patients With Type 2 Diabetes Treated With High-Dose Insulin. Journal of Clinical Endocrinology and Metabolism, 2016, 101, 1798-1806.	3.6	40
98	Proton Spectroscopy in Asymptomatic HIV-Infected Adults: Initial Results in a Prospective Cohort Study. Journal of Acquired Immune Deficiency Syndromes, 1996, 13, 247-253.	0.3	39
99	Perfusion imaging with a freely diffusible hyperpolarized contrast agent. Magnetic Resonance in Medicine, 2011, 66, 746-755.	3.0	38
100	Experimental radiation injury: combined MR imaging and spectroscopy.. Radiology, 1988, 169, 305-309.	7.3	37
101	Geometric Distortion in Diffusion-weighted MR Imaging of the Prostateâ€"Contributing Factors and Strategies for Improvement. Academic Radiology, 2014, 21, 817-823.	2.5	37
102	Comparison of prostate cancer detection at 3-T MRI with and without an endorectal coil: A prospective, paired-patient study. Urologic Oncology: Seminars and Original Investigations, 2016, 34, 255.e7-255.e13.	1.6	37
103	Mercury-199 nuclear magnetic resonance relaxation in some mercury(II) compounds. Canadian Journal of Chemistry, 1982, 60, 2113-2117.	1.1	36
104	Addressing metabolic heterogeneity in clear cell renal cell carcinoma with quantitative Dixon MRI. JCI Insight, 2017, 2, .	5.0	36
105	Pulmonary vasculature: high-resolution MR imaging. Work in progress.. Radiology, 1989, 171, 391-395.	7.3	35
106	MR imaging of the pelvis with an endorectal-external multicoil array. Journal of Magnetic Resonance Imaging, 1992, 2, 229-232.	3.4	35
107	The effect of N-acetylaspartate on the intracellular free calcium concentration in NTera2-neurons. Neuroscience Letters, 1995, 198, 209-212.	2.1	35
108	High-Resolution ¹H NMR Spectroscopy Following Experimental Brain Trauma. Journal of Neurotrauma, 1997, 14, 441-449.	3.4	35

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109	MRI of the Placenta Accreta Spectrum (PAS) Disorder: Radiomics Analysis Correlates With Surgical and Pathological Outcome. Journal of Magnetic Resonance Imaging, 2020, 51, 936-946.	3.4	35
110	Carbon magnetic resonance. Signal assignment by alternately pulsed nuclear magnetic resonance and lanthanide-induced chemical shifts. Journal of the American Chemical Society, 1971, 93, 4295-4297.	13.7	34
111	A simple method for processing NMR spectra in which acquisition is delayed: Applications toin vivo localized31P NMR spectra acquired using the DRESS technique. Magnetic Resonance in Medicine, 1988, 7, 88-94.	3.0	34
112	A design for a double-tuned birdcage coil for use in an integrated MRI/MRS examination. Journal of Magnetic Resonance, 1990, 89, 41-50.	0.5	34
113	Localized Proton Spectroscopy without Water Suppression: Removal of Gradient Induced Frequency Modulations by Modulus Signal Selection. Journal of Magnetic Resonance, 2002, 154, 53-59.	2.1	34
114	Proton Magnetic Resonance Spectroscopic Evidence of Glial Effects of Cumulative Lead Exposure in the Adult Human Hippocampus. Environmental Health Perspectives, 2007, 115, 519-523.	6.0	34
115	Sodium MRI of a Human Transplanted Kidney. Academic Radiology, 2009, 16, 886-889.	2.5	34
116	Dynamic Contrast-Enhanced MR Imaging in the Evaluation of Patients with Prostate Cancer. Magnetic Resonance Imaging Clinics of North America, 2009, 17, 363-383.	1.1	34
117	Microstructural correlates of 3D steadyâ€state inhomogeneous magnetization transfer (ihMT) in the human brain white matter assessed by myelin water imaging and diffusion tensor imaging. Magnetic Resonance in Medicine, 2018, 80, 2402-2414.	3.0	34
118	A multisite model for lanthanide shift reagent coordination to monofunctional substrates. Effects of rotational and site averaging on shifts and relaxation rates. Journal of the American Chemical Society, 1976, 98, 4065-4068.	13.7	33
119	Studies of the binding of calcium and lanthanum ions to D-lyxose and D-ribose in aqueous solutions using proton magnetic resonance. Journal of the American Chemical Society, 1976, 98, 3089-3094.	13.7	33
120	Prostate Postbrachytherapy Seed Distribution: Comparison of High-Resolution, Contrast-Enhanced, T1- and T2-Weighted Endorectal Magnetic Resonance Imaging Versus Computed Tomography: Initial Experience. International Journal of Radiation Oncology Biology Physics, 2007, 69, 70-78.	0.8	33
121	Embolization therapy for benign prostatic hyperplasia: Influence of embolization particle size on gland perfusion. Journal of Magnetic Resonance Imaging, 2013, 38, 380-387.	3.4	33
122	Effects of acute ethanol intoxication on experimental brain injury in the rat: neurobehavioral and phosphorus-31 nuclear magnetic resonance spectroscopy studies. Journal of Neurosurgery, 1995, 82, 813-821.	1.6	32
123	Decreases in free cholesterol and fatty acid unsaturation in renal cell carcinoma demonstrated by breath-hold magnetic resonance spectroscopy. American Journal of Physiology - Renal Physiology, 2005, 288, F637-F641.	2.7	32
124	Contact vs. pseudocontact contributions to lanthanide-induced shifts in the nuclear magnetic resonance spectra of isoquinoline and of endo-norbornenol. Journal of the American Chemical Society, 1976, 98, 4250-4258.	13.7	31
125	Silencing of Phosphonate-Gadolinium Magnetic Resonance Imaging Contrast by Hydroxyapatite Binding. Investigative Radiology, 2003, 38, 750-760.	6.2	31
126	Tissue-print and print-phoresis as platform technologies for the molecular analysis of human surgical specimens: mapping tumor invasion of the prostate capsule. Nature Medicine, 2005, 11, 95-101.	30.7	31

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127	Conformation of angiotensin II. Evidence for a specific hydrogen bonded conformation. Biochemistry, 1981, 20, 3122-3126.	2.5	29
128	The binding of ytterbium(III) to adriamycin. A proton NMR relaxation study. Journal of the American Chemical Society, 1984, 106, 6905-6909.	13.7	29
129	Brain pH in head injury: An image-guided31P magnetic resonance spectroscopy study. Annals of Neurology, 1990, 28, 661-667.	5.3	28
130	The effect of dietary protein depletion on hepatic 5-Fluorouracil metabolism. Cancer, 1993, 72, 3715-3722.	4.1	28
131	High-resolution anatomic, diffusion tensor, and magnetization transfer magnetic resonance imaging of the optic chiasm at 3T. Journal of Magnetic Resonance Imaging, 2005, 22, 302-306.	3.4	28
132	On shimming approaches in 3T breast MRI. Magnetic Resonance in Medicine, 2013, 69, 862-867.	3.0	28
133	Distortion correction in diffusionâ€weighted imaging of the breast: Performance assessment of prospective, retrospective, and combined (prospectiveâ€‰+â€‰retrospective) approaches. Magnetic Resonance in Medicine, 2017, 78, 247-253.	3.0	28
134	Proton MRS and Neuropsychological Correlates in AIDS Dementia Complex: Evidence of Subcortical Specificity. Journal of Neuropsychiatry and Clinical Neurosciences, 2007, 19, 283-292.	1.8	28
135	An automated algorithm for combining multivoxel MRS data acquired with phased-array coils. Journal of Magnetic Resonance Imaging, 2005, 21, 317-322.	3.4	27
136	An illustration of the potential for mapping MRI/MRS parameters with genetic over-expression profiles in human prostate cancer. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2008, 21, 411-421.	2.0	27
137	The role of magnetic resonance imaging (MRI) in prostate cancer imaging and staging at 1.5 and 3 Tesla: The Beth Israel Deaconess Medical Center (BIDMC) approach. Cancer Biomarkers, 2008, 4, 251-262.	1.7	27
138	Integrating structural and functional imaging for computer assisted detection of prostate cancer on multi-protocol in vivo 3 Tesla MRI. Proceedings of SPIE, 2009, 7260, 72603I.	0.8	27
139	Novel PCA-VIP scheme for ranking MRI protocols and identifying computer-extracted MRI measurements associated with central gland and peripheral zone prostate tumors. Journal of Magnetic Resonance Imaging, 2015, 41, 1383-1393.	3.4	27
140	Lanthanide induced NMR perturbations of hew lysozyme: Evidence for nonaxial symmetry. Biochemical and Biophysical Research Communications, 1977, 76, 711-719.	2.1	26
141	Ionophoric properties of angiotensin II peptides. Nuclear magnetic resonance kinetic studies of the hormone-mediated transport of manganese ions across phosphatidylcholine bilayers. Biochemistry, 1980, 19, 3430-3434.	2.5	26
142	Integrated magnetic resonance imaging and phosphorus spectroscopy of soft tissue tumors. Cancer, 1991, 67, 1849-1858.	4.1	26
143	Bilateral imaging using separate interleaved 3D volumes and dynamically switched multiple receive coil arrays. Magnetic Resonance in Medicine, 1998, 39, 108-115.	3.0	26
144	Fast imaging of phosphocreatine using a RARE pulse sequence. Magnetic Resonance in Medicine, 1998, 39, 851-854.	3.0	26

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145	A Comprehensive Segmentation, Registration, and Cancer Detection Scheme on 3 Tesla In Vivo Prostate DCE-MRI. Lecture Notes in Computer Science, 2008, 11, 662-669.	1.3	26
146	Technical Advancements in MR Neurography. Seminars in Musculoskeletal Radiology, 2015, 19, 086-093.	0.7	26
147	Humoral bone morphogenetic protein 2 is sufficient for inducing breast cancer microcalcification. Molecular Imaging, 2008, 7, 175-86.	1.4	26
148	Proton NMR study of iron(II)-bleomycin: Assignment of resonances by saturation transfer experiments. Biochemical and Biophysical Research Communications, 1980, 96, 341-349.	2.1	25
149	Synthetic peptide analogs of skeletal troponin C: Fluorescence studies of analogs of the low-affinity calcium-binding site II. Archives of Biochemistry and Biophysics, 1983, 220, 530-540.	3.0	25
150	Combined MR Imaging and Spectroscopy of Bone and Soft Tissue Tumors. Journal of Computer Assisted Tomography, 1990, 14, 1-10.	0.9	25
151	Principal Component Analysis of Dynamic Contrast Enhanced MRI in Human Prostate Cancer. Investigative Radiology, 2010, 45, 174-181.	6.2	25
152	Zâ€spectrum appearance and interpretation in the presence of fat: Influence of acquisition parameters. Magnetic Resonance in Medicine, 2018, 79, 2731-2737.	3.0	25
153	Texture analysis of magnetic resonance images of the human placenta throughout gestation: A feasibility study. PLoS ONE, 2019, 14, e0211060.	2.5	25
154	Paramagnetic ion induced perturbations in the proton NMR spectrum of lysozyme: a reassignment of the tryptophan indole NH resonances. Journal of the American Chemical Society, 1979, 101, 3071-3077.	13.7	24
155	Proton MR Spectroscopy of Experimental Radiation-Induced White Matter Injury. Journal of Computer Assisted Tomography, 1992, 16, 543-548.	0.9	24
156	A Technique to Identify Isoattenuating Gallstones with Dual-Layer Spectral CT: An ex Vivo Phantom Study. Radiology, 2019, 292, 400-406.	7.3	24
157	Molybdenum-95 nuclear magnetic resonance studies of Molybdenum-phosphorus compounds. Polyhedron, 1982, 1, 130-132.	2.2	23
158	Localized 31P magnetic resonance spectroscopy of large pediatric brain tumors. Journal of Neurosurgery, 1990, 72, 65-70.	1.6	23
159	RF tumour ablation: Computer simulation and mathematical modelling of the effects of electrical and thermal conductivity. International Journal of Hyperthermia, 2005, 21, 199-213.	2.5	23
160	Selective spectroscopic imaging of hyperpolarized pyruvate and its metabolites using a singleâ€echo variable phase advance method in balanced SSFP. Magnetic Resonance in Medicine, 2016, 76, 1102-1115.	3.0	23
161	UCEPR: Ultrafast localized CEST-spectroscopy with PRESS in phantoms and in vivo. Magnetic Resonance in Medicine, 2016, 75, 1875-1885.	3.0	23
162	An NMR investigation of the kinetics of dissociation of the zinc(II) complex of bleomycin antibiotics. Journal of the American Chemical Society, 1979, 101, 5902-5906.	13.7	22

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163	Solid-state phosphorus-31 cross-polarization magic-angle spinning NMR study of phosphine complexes of mercury(II). Inorganic Chemistry, 1986, 25, 3202-3204.	4.0	22
164	Magnetic Resonance Imaging and Spectroscopy of Regional Brain Structure in a 10-Year-Old Boy With Elevated Blood Lead Levels. Pediatrics, 1998, 101, e7-e7.	2.1	22
165	MR Imaging of Sodium in the Human Brain with a Fast Three-Dimensional Gradient-Recalled-Echo Sequence at 4 T. Academic Radiology, 2003, 10, 358-365.	2.5	22
166	Accelerating chemical exchange saturation transfer <scp>MRI</scp> with parallel blind compressed sensing. Magnetic Resonance in Medicine, 2019, 81, 504-513.	3.0	22
167	Interactions of gallium(III) with bleomycin antibiotics. Journal of the American Chemical Society, 1980, 102, 131-135.	13.7	21
168	The use of magnetic resonance imaging and spectroscopy in the assessment of patients with head and neck and other superficial human malignancies. Cancer, 1989, 64, 2069-2075.	4.1	21
169	Frame-by-frame PRESS1H-MRS of the brain at 3 T: The effects of physiological motion. Magnetic Resonance in Medicine, 2004, 51, 184-187.	3.0	21
170	Dual-layer spectral detector CT: non-inferiority assessment compared to dual-source dual-energy CT in discriminating uric acid from non-uric acid renal stones ex vivo. Abdominal Radiology, 2018, 43, 3075-3081.	2.1	21
171	Does Tumor FDG-PET Avidity Represent Enhanced Glycolytic Metabolism in Non-Small Cell Lung Cancer?. Annals of Thoracic Surgery, 2020, 109, 1019-1025.	1.3	21
172	Interpretation of the pseudocontact model for nuclear magnetic resonance shift reagents. V. Collinearity in the structural elucidation of nitriles. Journal of the American Chemical Society, 1973, 95, 6846-6848.	13.7	20
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