

Cornelius Faber

List of Publications by Year in descending order

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134
papers

3,811
citations

136950

32
h-index

175258

52
g-index

143
all docs

143
docs citations

143
times ranked

6100
citing authors

#	ARTICLE	IF	CITATIONS
1	The promotion of oriented axonal regrowth in the injured spinal cord by alginate-based anisotropic capillary hydrogels. <i>Biomaterials</i> , 2006, 27, 3560-9.	11.4	285
2	Focal MMP-2 and MMP-9 Activity at the Blood-Brain Barrier Promotes Chemokine-Induced Leukocyte Migration. <i>Cell Reports</i> , 2015, 10, 1040-1054.	6.4	160
3	The songbird syrinx morphome: a three-dimensional, high-resolution, interactive morphological map of the zebra finch vocal organ. <i>BMC Biology</i> , 2013, 11, 1.	3.8	142
4	Structural Rearrangements of HIV-1 Tat-responsive RNA upon Binding of Neomycin B. <i>Journal of Biological Chemistry</i> , 2000, 275, 20660-20666.	3.4	131
5	In vivo detection limits of magnetically labeled embryonic stem cells in the rat brain using high-field (17.6 T) magnetic resonance imaging. <i>NeuroImage</i> , 2005, 24, 635-645.	4.2	112
6	A Novel Mouse Model of <i>Staphylococcus aureus</i> Chronic Osteomyelitis That Closely Mimics the Human Infection. <i>American Journal of Pathology</i> , 2012, 181, 1206-1214.	3.8	107
7	Functional MRI Readouts From BOLD and Diffusion Measurements Differentially Respond to Optogenetic Activation and Tissue Heating. <i>Frontiers in Neuroscience</i> , 2019, 13, 1104.	2.8	106
8	Cortex-wide BOLD fMRI activity reflects locally-recorded slow oscillation-associated calcium waves. <i>ELife</i> , 2017, 6, .	6.0	85
9	Assessing sensory versus optogenetic network activation by combining (o)fMRI with optical Ca ²⁺ recordings. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2016, 36, 1885-1900.	4.3	70
10	Combined PET Imaging of the Inflammatory Tumor Microenvironment Identifies Margins of Unique Radiotracer Uptake. <i>Cancer Research</i> , 2017, 77, 1831-1841.	0.9	69
11	ECM stiffness regulates glial migration in <i>Drosophila</i> and mammalian glioma models. <i>Development (Cambridge)</i> , 2014, 141, 3233-3242.	2.5	66
12	Boosting ¹⁹ F MRI SNR efficient detection of paramagnetic contrast agents using ultrafast sequences. <i>Magnetic Resonance in Medicine</i> , 2013, 69, 1056-1062.	3.0	65
13	Multimodal Imaging Reveals Temporal and Spatial Microglia and Matrix Metalloproteinase Activity after Experimental Stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015, 35, 1711-1721.	4.3	62
14	Translational value of choroid plexus imaging for tracking neuroinflammation in mice and humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	62
15	Application of magnetic resonance imaging in zoology. <i>Zoomorphology</i> , 2011, 130, 227-254.	0.8	60
16	Systematic comparison and reconstruction of sea urchin (Echinoidea) internal anatomy: a novel approach using magnetic resonance imaging. <i>BMC Biology</i> , 2008, 6, 33.	3.8	58
17	Remote magnetic targeting of iron oxide nanoparticles for cardiovascular diagnosis and therapeutic drug delivery: where are we now?. <i>International Journal of Nanomedicine</i> , 2016, Volume 11, 3191-3203.	6.7	54
18	Bacteria tracking by in vivo magnetic resonance imaging. <i>BMC Biology</i> , 2013, 11, 63.	3.8	53

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19	The impact of lipid distribution, composition and mobility on xylem water refilling of the resurrection plant <i>Myrothamnus flabellifolia</i> . <i>New Phytologist</i> , 2003, 159, 487-505.	7.3	50
20	Melanocortin-1 receptor activation is neuroprotective in mouse models of neuroinflammatory disease. <i>Science Translational Medicine</i> , 2016, 8, 362ra146.	12.4	48
21	Solvent suppression in liquid state NMR with selective intermolecular zero-quantum coherences. <i>Chemical Physics Letters</i> , 2004, 393, 464-469.	2.6	46
22	Resolution enhancement in in vivo NMR spectroscopy: detection of intermolecular zero-quantum coherences. <i>Journal of Magnetic Resonance</i> , 2003, 161, 265-274.	2.1	44
23	Multimodal Functional Neuroimaging by Simultaneous BOLD fMRI and Fiber-Optic Calcium Recordings and Optogenetic Control. <i>Molecular Imaging and Biology</i> , 2018, 20, 171-182.	2.6	44
24	<i>S. aureus</i> endocarditis: Clinical aspects and experimental approaches. <i>International Journal of Medical Microbiology</i> , 2018, 308, 640-652.	3.6	43
25	Diabetic db/db mice do not develop heart failure upon pressure overload: a longitudinal in vivo PET, MRI, and MRS study on cardiac metabolic, structural, and functional adaptations. <i>Cardiovascular Research</i> , 2017, 113, 1148-1160.	3.8	41
26	Early detection of lung inflammation: Exploiting T_1 effects of iron oxide particles using UTE MRI. <i>Magnetic Resonance in Medicine</i> , 2012, 68, 1924-1931.	3.0	40
27	Reduced deactivation in reward circuitry and midline structures during emotion processing in borderline personality disorder. <i>World Journal of Biological Psychiatry</i> , 2013, 14, 45-56.	2.6	39
28	True and apparent optogenetic BOLD fMRI signals. <i>Magnetic Resonance in Medicine</i> , 2017, 77, 126-136.	3.0	38
29	Endothelial EphB4 maintains vascular integrity and transport function in adult heart. <i>ELife</i> , 2019, 8, .	6.0	38
30	Gradient-echo and CRAZED imaging for minute detection of Alzheimer plaques in an APPV717I Δ -ADAM10-dn mouse model. <i>Magnetic Resonance in Medicine</i> , 2007, 57, 696-703.	3.0	37
31	Effectively incorporating selected multimedia content into medical publications. <i>BMC Medicine</i> , 2011, 9, 17.	5.5	37
32	Line scanning fMRI reveals earlier onset of optogenetically evoked BOLD response in rat somatosensory cortex as compared to sensory stimulation. <i>NeuroImage</i> , 2018, 164, 144-154.	4.2	37
33	Anesthesia differentially modulates neuronal and vascular contributions to the BOLD signal. <i>NeuroImage</i> , 2019, 195, 89-103.	4.2	37
34	Solution structure of the <i>Legionella pneumophila</i> Mip-rapamycin complex. <i>BMC Structural Biology</i> , 2008, 8, 17.	2.3	35
35	Cardiac-respiratory self-gated cine ultra-short echo time (UTE) cardiovascular magnetic resonance for assessment of functional cardiac parameters at high magnetic fields. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2013, 15, 59.	3.3	35
36	MRI Visualization of <i>Staphylococcus aureus</i> -Induced Infective Endocarditis in Mice. <i>PLoS ONE</i> , 2014, 9, e107179.	2.5	34

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37	In vivo high-resolution MR imaging of neuropathologic changes in the injured rat spinal cord. <i>American Journal of Neuroradiology</i> , 2006, 27, 598-604.	2.4	34
38	Sensitivity to local dipole fields in the CRAZED experiment: An approach to bright spot MRI. <i>Journal of Magnetic Resonance</i> , 2006, 182, 315-324.	2.1	33
39	Characterization of incisional and inflammatory pain in rats using functional tools of MRI. <i>NeuroImage</i> , 2016, 127, 110-122.	4.2	33
40	Comparative morphology of the axial complex and interdependence of internal organ systems in sea urchins (Echinodermata: Echinoidea). <i>Frontiers in Zoology</i> , 2009, 6, 10.	2.0	32
41	A dynamic thorax phantom for the assessment of cardiac and respiratory motion correction in PET/MRI: A preliminary evaluation. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2013, 702, 59-63.	1.6	32
42	Early Assessment of the Efficacy of Temozolomide Chemotherapy in Experimental Glioblastoma Using [18F]FLT-PET Imaging. <i>PLoS ONE</i> , 2013, 8, e67911.	2.5	32
43	In vivo quantitative three-dimensional motion mapping of the murine myocardium with PC-MRI at 17.6 T. <i>Magnetic Resonance in Medicine</i> , 2006, 55, 1058-1064.	3.0	31
44	Spatially localized intermolecular zero-quantum coherence spectroscopy for in vivo applications. <i>Magnetic Resonance in Medicine</i> , 2006, 56, 745-753.	3.0	31
45	Highly Shifted Proton MR Imaging: Cell Tracking by Using Direct Detection of Paramagnetic Compounds. <i>Radiology</i> , 2014, 272, 785-795.	7.3	30
46	Secondary Structure and Tertiary Fold of the Birch Pollen Allergen Bet v 1 in Solution. <i>Journal of Biological Chemistry</i> , 1996, 271, 19243-19250.	3.4	28
47	High-resolution MR imaging of the rat spinal cord in vivo in a wide-bore magnet at 17.6 Tesla. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2004, 17, 353-358.	2.0	28
48	Elemental Bioimaging of Thulium in Mouse Tissues by Laser Ablation-ICPMS as a Complementary Method to Heteronuclear Proton Magnetic Resonance Imaging for Cell Tracking Experiments. <i>Analytical Chemistry</i> , 2015, 87, 4225-4230.	6.5	28
49	6-hydroxydopamine-induced Parkinson's disease-like degeneration generates acute microgliosis and astrogliosis in the nigrostriatal system but no bioluminescence imaging-detectable alteration in adult neurogenesis. <i>European Journal of Neuroscience</i> , 2016, 43, 1352-1365.	2.6	28
50	A cortical rat hemodynamic response function for improved detection of BOLD activation under common experimental conditions. <i>NeuroImage</i> , 2020, 208, 116446.	4.2	28
51	Domain Motions of the Mip Protein from <i>Legionella pneumophila</i> . <i>Biochemistry</i> , 2006, 45, 12303-12311.	2.5	26
52	Introducing Specificity to Iron Oxide Nanoparticle Imaging by Combining ⁵⁷ Fe-Based MRI and Mass Spectrometry. <i>Nano Letters</i> , 2019, 19, 7908-7917.	9.1	26
53	The Structure of the Coliphage HK022 Nucleo-capsid Protein- ϕ -phage boxB RNA Complex. <i>Journal of Biological Chemistry</i> , 2001, 276, 32064-32070.	3.4	25
54	Magnetic resonance imaging characterization of microbial infections. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 93, 136-146.	2.8	25

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55	Detergent-Like Activity and α -Helical Structure of Warnericin RK, an Anti-Legionella Peptide. <i>Biophysical Journal</i> , 2009, 97, 1933-1940.	0.5	23
56	Ewing sarcoma dissemination and response to T-cell therapy in mice assessed by whole-body magnetic resonance imaging. <i>British Journal of Cancer</i> , 2013, 109, 658-666.	6.4	23
57	The head morphology of <i>Ascioplaga mimeta</i> (Coleoptera: Archostemata) and the phylogeny of Archostemata. <i>European Journal of Entomology</i> , 2006, 103, 409-423.	1.2	23
58	The Novel Antimalarial Compound Dioncophylline C Forms a Complex with Heme in Solution. <i>ChemMedChem</i> , 2007, 2, 541-548.	3.2	22
59	4-Aminopyridine ameliorates mobility but not disease course in an animal model of multiple sclerosis. <i>Experimental Neurology</i> , 2013, 248, 62-71.	4.1	22
60	Evolution of a Novel Muscle Design in Sea Urchins (Echinodermata: Echinoidea). <i>PLoS ONE</i> , 2012, 7, e37520.	2.5	22
61	Personality Functioning and the Cortical Midline Structures – An Exploratory fMRI Study. <i>PLoS ONE</i> , 2012, 7, e49956.	2.5	22
62	Combined resting state-fMRI and calcium recordings show stable brain states for task-induced fMRI in mice under combined ISO/MED anesthesia. <i>NeuroImage</i> , 2021, 245, 118626.	4.2	22
63	²³ Na microscopy of the mouse heart in vivo using density-weighted chemical shift imaging. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2004, 17, 196-200.	2.0	21
64	Collagen IV-derived peptide binds hydrophobic cavity of <i>Legionella pneumophila</i> Mip and interferes with bacterial epithelial transmigration. <i>Cellular Microbiology</i> , 2011, 13, 1558-1572.	2.1	21
65	Variability of Proliferation and Diffusion in Different Lung Cancer Models as Measured by ³ H-Deoxy- ³ H-thymidine PET and Diffusion-Weighted MR Imaging. <i>Journal of Nuclear Medicine</i> , 2014, 55, 983-988.	5.0	21
66	Solvent-localized NMR spectroscopy using the distant dipolar field: A method for NMR separations with a single gradient. <i>Journal of Magnetic Resonance</i> , 2005, 176, 120-124.	2.1	20
67	In vivo intermolecular zero-quantum coherence MR spectroscopy in the rat spinal cord at 17.6T: a feasibility study. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2007, 20, 183-191.	2.0	20
68	Transmit-receive coil-arrays at 17.6T, configurations for ¹ H, ²³ Na, and ³¹ P MRI. <i>Concepts in Magnetic Resonance Part B</i> , 2006, 29B, 20-27.	0.7	19
69	Localized intermolecular zero-quantum coherence spectroscopy in vivo. <i>Concepts in Magnetic Resonance Part A: Bridging Education and Research</i> , 2008, 32A, 117-133.	0.5	19
70	Probing activation-induced neurochemical changes using optogenetics combined with functional magnetic resonance spectroscopy: a feasibility study in the rat primary somatosensory cortex. <i>Journal of Neurochemistry</i> , 2019, 150, 402-419.	3.9	19
71	Neuroimaging of a minipig model of Huntington's disease: Feasibility of volumetric, diffusion-weighted and spectroscopic assessments. <i>Journal of Neuroscience Methods</i> , 2016, 265, 46-55.	2.5	18
72	CD8 ⁺ T-Lymphocyte-Driven Limbic Encephalitis Results in Temporal Lobe Epilepsy. <i>Annals of Neurology</i> , 2021, 89, 666-685.	5.3	18

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73	Impact of hydroxytyrosol on stroke: tracking therapy response on neuroinflammation and cerebrovascular parameters using PET-MR imaging and on functional outcomes. <i>Theranostics</i> , 2021, 11, 4030-4049.	10.0	18
74	Quantitative in vivo ¹ H spectroscopic imaging of metabolites in the early postnatal mouse brain at 17.6 T. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2009, 22, 53-62.	2.0	17
75	BOLD imaging in the mouse brain using a turboCRAZED sequence at high magnetic fields. <i>Magnetic Resonance in Medicine</i> , 2008, 60, 850-859.	3.0	16
76	Intermolecular zero-quantum coherence NMR spectroscopy in the presence of local dipole fields. <i>Journal of Chemical Physics</i> , 2008, 128, 154522.	3.0	15
77	Apparent diffusion coefficient is highly reproducible on preclinical imaging systems: Evidence from a seven-center multivendor study. <i>Journal of Magnetic Resonance Imaging</i> , 2015, 42, 1759-1764.	3.4	15
78	Comparative morphology and phylogenetic significance of Gregory's diverticulum in sand dollars (Echinoidea: Clypeasteroidea). <i>Organisms Diversity and Evolution</i> , 2016, 16, 141-166.	1.6	14
79	Gemcitabine Mechanism of Action Confounds Early Assessment of Treatment Response by ³ -Deoxy- ³ -[¹⁸ F]Fluorothymidine in Preclinical Models of Lung Cancer. <i>Cancer Research</i> , 2016, 76, 7096-7105.	0.9	13
80	Mechanistic interrogation of combination bevacizumab/dual PI3K/mTOR inhibitor response in glioblastoma implementing novel MR and PET imaging biomarkers. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2016, 43, 1673-1683.	6.4	13
81	Dumbo octopod hatchling provides insight into early cirrate life cycle. <i>Current Biology</i> , 2018, 28, R144-R145.	3.9	13
82	Temporal window for detection of inflammatory disease using dynamic cell tracking with time-lapse MRI. <i>Scientific Reports</i> , 2018, 8, 9563.	3.3	13
83	Tracking of Tumor Cell-Derived Extracellular Vesicles In Vivo Reveals a Specific Distribution Pattern with Consecutive Biological Effects on Target Sites of Metastasis. <i>Molecular Imaging and Biology</i> , 2020, 22, 1501-1510.	2.6	13
84	A dataset comprising 141 magnetic resonance imaging scans of 98 extant sea urchin species. <i>GigaScience</i> , 2014, 3, 21.	6.4	12
85	Molecular imaging of myocardial infarction with Gadofluorine P: A combined magnetic resonance and mass spectrometry imaging approach. <i>Heliyon</i> , 2018, 4, e00606.	3.2	12
86	Deficiency of the palmitoyl acyltransferase ZDHHC7 impacts brain and behavior of mice in a sex-specific manner. <i>Brain Structure and Function</i> , 2019, 224, 2213-2230.	2.3	12
87	Myelination- and immune-mediated MR-based brain network correlates. <i>Journal of Neuroinflammation</i> , 2020, 17, 186.	7.2	12
88	Resolution Enhancement in In Vivo NMR Spectroscopy. <i>Annual Reports on NMR Spectroscopy</i> , 2007, 61, 1-50.	1.5	11
89	NMR Separation of Intra- and Extracellular Compounds Based on Intermolecular Coherences. <i>Biophysical Journal</i> , 2010, 99, 2336-2343.	0.5	11
90	Phenotypic analysis of Myo10 knockout (Myo10 ^{tm2/tm2}) mice lacking full-length (motorized) but not brain-specific headless myosin X. <i>Scientific Reports</i> , 2019, 9, 597.	3.3	11

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91	Isolating Crucial Steps in Induction of Infective Endocarditis With Preclinical Modeling of Host Pathogen Interaction. <i>Frontiers in Microbiology</i> , 2020, 11, 1325.	3.5	11
92	A Longitudinal PET/MRI Study of Colony-Stimulating Factor 1 Receptor-Mediated Microglia Depletion in Experimental Stroke. <i>Journal of Nuclear Medicine</i> , 2022, 63, 446-452.	5.0	11
93	Spin State of Chloroquine-Heme Complexes: Formation of a Hemin Tetramer Adduct. <i>The Open Spectroscopy Journal</i> , 2008, 2, 10-18.	1.0	11
94	<i>In vivo</i> visualization of single native pancreatic islets in the mouse. <i>Contrast Media and Molecular Imaging</i> , 2013, 8, 495-504.	0.8	10
95	Functionalization of Clinically Approved MRI Contrast Agents for the Delivery of VEGF. <i>Bioconjugate Chemistry</i> , 2019, 30, 1042-1047.	3.6	10
96	Contribution of preclinical MRI to responsible animal research: living up to the 3R principle. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2021, 34, 469-474.	2.0	10
97	Mass Spectrometry Imaging of atherosclerosis-affine Gadofluorine following Magnetic Resonance Imaging. <i>Scientific Reports</i> , 2020, 10, 79.	3.3	9
98	Brain microstructural changes in mice persist in adulthood and are modulated by the palmitoyl acyltransferase ZDHHC7. <i>European Journal of Neuroscience</i> , 2021, 54, 5951-5967.	2.6	9
99	Host-pathogen interactions of clinical <i>S. aureus</i> isolates to induce infective endocarditis. <i>Virulence</i> , 2021, 12, 2073-2087.	4.4	9
100	Letter to the Editor: 1H, 13C, 15N backbone and sidechain resonance assignment of Mip(77213) the PPlase domain of the Legionella pneumophila Mip protein. <i>Journal of Biomolecular NMR</i> , 2005, 31, 77-78.	2.8	7
101	Imaging of root canal treatment using ultra high field 9.4T UTE-MRI – a preliminary study. <i>Dentomaxillofacial Radiology</i> , 2020, 49, 20190183.	2.7	7
102	Quantification of Manganese Enhanced Magnetic Resonance Imaging based on Spatially Resolved Elemental Mass Spectrometry. <i>ChemistrySelect</i> , 2016, 1, 264-266.	1.5	6
103	Defining mechanisms of neural plasticity after brainstem ischemia in rats. <i>Annals of Neurology</i> , 2018, 83, 1003-1015.	5.3	6
104	Toward precise arterial input functions derived from DCE-MRI through a novel extracorporeal circulation approach in mice. <i>Magnetic Resonance in Medicine</i> , 2020, 84, 1404-1415.	3.0	6
105	Retrosplenial Cortex Contributes to Network Changes during Seizures in the GAERS Absence Epilepsy Rat Model. <i>Cerebral Cortex Communications</i> , 2021, 2, tgab023.	1.6	6
106	Chapter 1 Pulse Sequence Considerations and Schemes. , 2016, , 1-28.		6
107	Thymidine Metabolism as a Confounding Factor for ¹⁸ F-Fluorothymidine Uptake After Therapy in a Colorectal Cancer Model. <i>Journal of Nuclear Medicine</i> , 2018, 59, 1063-1069.	5.0	5
108	Deficiency of the BMP Type I receptor ALK3 partly protects mice from anemia of inflammation. <i>BMC Physiology</i> , 2018, 18, 3.	3.6	5

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109	Resolving immune cells with patrolling behaviour by magnetic resonance time-lapse single cell tracking. EBioMedicine, 2021, 73, 103670.	6.1	5
110	Fingerprints of Element Concentrations in Infective Endocarditis Obtained by Mass Spectrometric Imaging and t-Distributed Stochastic Neighbor Embedding. ACS Infectious Diseases, 2022, 8, 360-372.	3.8	5
111	Performance of MRS in metabolic profiling of the lumbar spinal cord in rat and mice. Magnetic Resonance Imaging, 2016, 34, 1155-1160.	1.8	4
112	Fiber-based lactate recordings with fluorescence resonance energy transfer sensors by applying an magnetic resonance-informed correction of hemodynamic artifacts. Neurophotonics, 2022, 9, 032212.	3.3	4
113	Assessment of inhibitory potency of antibiotics by MRI: apparent T2 as a marker of cell growth. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2006, 19, 247-255.	2.0	3
114	Development of a Stimulator for the Characterization of Mechanical-Evoked Pain-Related Supra-Spinal Processing Using BOLD-fMRI in Rodents. IEEE Transactions on Biomedical Engineering, 2020, 67, 1349-1356.	4.2	3
115	A novel MRI compatible mouse fracture model to characterize and monitor bone regeneration and tissue composition. Scientific Reports, 2020, 10, 16238.	3.3	3
116	Acute stress reveals different impacts in male and female Zdhc7-deficient mice. Brain Structure and Function, 2021, 226, 1613-1626.	2.3	3
117	True and apparent optogenetic BOLD fMRI signals. Magnetic Resonance in Medicine, 2017, 77, C1.	3.0	2
118	Correction of MRI-induced geometric distortions in whole-body small animal PET-MRI. Medical Physics, 2015, 42, 3848-3858.	3.0	1
119	Assessment of the myelin water fraction in rodent spinal cord using T2-prepared ultrashort echo time MRI. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2016, 29, 875-884.	2.0	1
120	Ultrafast CEST line scanning as a method to quantify mutarotation kinetics. Journal of Magnetic Resonance, 2022, 342, 107270.	2.1	1
121	Tracking of Stem Cells in the CNS by Molecular Magnetic Resonance Imaging (MRI). The Neuroradiology Journal, 2005, 18, 437-449.	0.1	0
122	Assessment of the Inhibitory Potency of Antibiotics by MRI. , 2008, , 437-448.		0
123	C01â€¦TRACK-TGHD MINIPIGâ€”introduction of a longitudinal tgHD minipig phenotyping study using MRI, motor and cognitive endpoints. Journal of Neurology, Neurosurgery and Psychiatry, 2012, 83, A15.2-A15.	1.9	0
124	C12 Volumetry of Nucleus Caudatus, Lateral Ventricles and Cerebrum of Founder and Second Generation Libechov Transgenic HD Minipigs. Journal of Neurology, Neurosurgery and Psychiatry, 2014, 85, A29-A29.	1.9	0
125	Distortion correction of MR data in whole-body small animal PET-MR using 3D thin-plate splines. EJNMMI Physics, 2014, 1, A89.	2.7	0
126	C13 Mr-based Stereotaxic Standard Brain Atlas Of The Libâ€šchov Minipig. Journal of Neurology, Neurosurgery and Psychiatry, 2014, 85, A29-A29.	1.9	0

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127	C14 Striatal Magnetic Resonance Spectroscopy of Transgenic HD Minipigs. Journal of Neurology, Neurosurgery and Psychiatry, 2014, 85, A29-A30.	1.9	0
128	External targeted navigation of ultra-small iron-oxide (U/SPIO) nanoparticles by an external permanent magnet - proof-of-principle as a prerequisite for magnetic drug delivery using U/SPIO. Journal of Cardiovascular Magnetic Resonance, 2015, 17, P72.	3.3	0
129	Investigating the Lymphatic System by Dual-Color Elemental Mass Spectrometry Imaging. Contrast Media and Molecular Imaging, 2017, 2017, 1-8.	0.8	0
130	Functional Studies in Rodents. Neuromethods, 2021, , 237-250.	0.3	0
131	Basic Contrast Mechanisms. Methods in Molecular Biology, 2011, 771, 45-67.	0.9	0
132	Abstract 3978: Assessment of therapeutic responses of disseminated Ewing sarcoma xenografts to adoptive therapy with chimeric receptor gene-modified T cells in mice by whole body magnetic resonance imaging., 2013, , .		0
133	C15...Standard brain template and multi-atlas based segmentation of tghd minipig brain. Journal of Neurology, Neurosurgery and Psychiatry, 2016, 87, A32.1-A32.	1.9	0
134	Voxel-Based Analysis of the Relation of 3-Deoxy-3-[18F]fluorothymidine ([18F]FLT) PET and Diffusion-Weighted (DW) MR Signals in Subcutaneous Tumor Xenografts Does Not Reveal a Direct Spatial Relation of These Two Parameters. Molecular Imaging and Biology, 2021, , 1.	2.6	0