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#	Paper	IF	Citations
1831	Brain magnetic resonance imaging with contrast dependent on blood oxygenation. 1990 , 87, 9868-72		4347
1830	Magnetic resonance imaging of blood vessels at high fields: in vivo and in vitro measurements and image simulation. <i>Magnetic Resonance in Medicine</i> , 1990 , 16, 9-18	4.4	444
1829	Double-quantum-filtered sodium imaging. 1990 , 90, 9-18		2
1828	Angiography and perfusion measurements by NMR. 1991 , 23, 93-133		18
1827	Studies of restricted diffusion in heterogeneous media containing variations in susceptibility. <i>Magnetic Resonance in Medicine</i> , 1991 , 19, 276-84	4.4	60
1826	Echo-planar time course MRI of cat brain oxygenation changes. <i>Magnetic Resonance in Medicine</i> , 1991 , 22, 159-66	4.4	339
1825	1991 I.I. Rabi Award. Estimating oxygen saturation of blood in vivo with MR imaging at 1.5 T. 1991 , 1, 275-83		266
1824	Effects of susceptibility variations on NMR measurements of diffusion. 1991 , 95, 267-280		15
1823	Intrinsic signal changes accompanying sensory stimulation: functional brain mapping with magnetic resonance imaging. 1992 , 89, 5951-5		2747
1822	Dynamic mapping of the human visual cortex by high-speed magnetic resonance imaging. 1992 , 89, 11069-73		287
1821	Magnetic resonance imaging mapping of brain function. Human visual cortex. 1992 , 27 Suppl 2, S59-65		90
1820	Dynamic magnetic resonance imaging of human brain activity during primary sensory stimulation. 1992 , 89, 5675-9		3260
1819	Hemodynamics and Metabolism in Ischemic Cerebrovascular Disease. 1992 , 10, 31-48		37
1818	Mapping the brain with MRI. 1992 , 2, 525-8		17
1817	The effect of postinfarction intramyocardial hemorrhage on transverse relaxation time. <i>Magnetic Resonance in Medicine</i> , 1992 , 23, 346-55	4.4	37
1816	Time course EPI of human brain function during task activation. <i>Magnetic Resonance in Medicine</i> , 1992 , 25, 390-7	4.4	1470
1815	A fast gradient-recalled MRI technique with increased sensitivity to dynamic susceptibility effects. <i>Magnetic Resonance in Medicine</i> , 1992 , 26, 184-9	4.4	106

1814	Real-time observation of transient focal ischemia and hyperemia in cat brain. <i>Magnetic Resonance in Medicine</i> , 1992 , 27, 391-7	4.4	92
1813	NMR venography using the susceptibility effect produced by deoxyhemoglobin. <i>Magnetic Resonance in Medicine</i> , 1992 , 28, 25-38	4.4	51
1812	A new frontier of blood imaging using susceptibility effect and tailored RF pulses. <i>Magnetic Resonance in Medicine</i> , 1992 , 28, 237-48	4.4	14
1811	Thin-section MR imaging of rat brain at 4.7 T. 1992 , 2, 393-9		11
1810	Dynamic MR imaging of human brain oxygenation during rest and photic stimulation. 1992 , 2, 501-5		310
1809	Functional MRI of human brain activation at high spatial resolution. <i>Magnetic Resonance in Medicine</i> , 1993 , 29, 139-44	4.4	303
1808	The sensitivity of magnetic resonance image signals of a rat brain to changes in the cerebral venous blood oxygenation. <i>Magnetic Resonance in Medicine</i> , 1993 , 29, 205-10	4.4	248
1807	Fast perfluorocarbon imaging using ¹⁹ F U-FLARE. <i>Magnetic Resonance in Medicine</i> , 1993 , 29, 226-34	4.4	27
1806	Endogenous susceptibility contrast in myocardium during apnea measured using gradient recalled echo planar imaging. <i>Magnetic Resonance in Medicine</i> , 1993 , 29, 273-6	4.4	39
1805	Functional mapping of the human visual cortex at 4 and 1.5 tesla using deoxygenation contrast EPI. <i>Magnetic Resonance in Medicine</i> , 1993 , 29, 277-9	4.4	396
1804	Susceptibility changes following bolus injections. <i>Magnetic Resonance in Medicine</i> , 1993 , 29, 700-8	4.4	62
1803	Fast echo-shifted gradient-recalled MRI: combining a short repetition time with variable T2* weighting. <i>Magnetic Resonance in Medicine</i> , 1993 , 30, 68-75	4.4	54
1802	Processing strategies for time-course data sets in functional MRI of the human brain. <i>Magnetic Resonance in Medicine</i> , 1993 , 30, 161-73	4.4	1484
1801	Changes in water diffusion and relaxation properties of rat cerebrum during status epilepticus. <i>Magnetic Resonance in Medicine</i> , 1993 , 30, 241-6	4.4	212
1800	Tesla gradient recalled echo characteristics of photic stimulation-induced signal changes in the human primary visual cortex. <i>Magnetic Resonance in Medicine</i> , 1993 , 30, 380-6	4.4	352
1799	Identification of vascular structures as a major source of signal contrast in high resolution 2D and 3D functional activation imaging of the motor cortex at 1.5T: preliminary results. <i>Magnetic Resonance in Medicine</i> , 1993 , 30, 387-92	4.4	330
1798	Snapshot MRI with T2*-weighted magnetization preparation. <i>Magnetic Resonance in Medicine</i> , 1993 , 30, 399-402	4.4	13
1797	A new T2*-weighting technique for magnetic resonance imaging. <i>Magnetic Resonance in Medicine</i> , 1993 , 30, 512-7	4.4	18

1796	Measurement of regional blood oxygenation and cerebral hemodynamics. <i>Magnetic Resonance in Medicine</i> , 1993 , 30, 715-23	4.4	103
1795	Rapid MR imaging of a vascular challenge to focal ischemia in cat brain. 1993 , 3, 475-81		15
1794	MR imaging of blood oxygenation-dependent changes in focal renal ischemia and transplanted liver tumor in rat. 1993 , 3, 483-90		24
1793	Perfusion and diffusion MR imaging of thromboembolic stroke. 1993 , 3, 746-54		52
1792	Functional mapping of human motor cortical activation with conventional MR imaging at 1.5 T. 1993 , 3, 869-75		56
1791	Functional brain imaging at 1.5 T using conventional gradient echo MR imaging techniques. 1993 , 11, 451-9		100
1790	The evolution of acute stroke recorded by multimodal magnetic resonance imaging. 1993 , 11, 465-71		113
1789	Dynamic high-resolution MR imaging of brain deoxygenation during transient anoxia in the anesthetized rat. 1993 , 13, 889-94		14
1788	Human visual cortical function during photic stimulation monitoring by means of near-infrared spectroscopy. 1993 , 13, 516-20		364
1787	Functional topographic mapping of the cortical ribbon in human vision with conventional MRI scanners. 1993 , 365, 150-3		170
1786	Functional magnetic resonance imaging: Overview and methods for psychological research. 1993 , 25, 101-113		36
1785	Abstracts-part I (Continue in Part II). 1993 , 1993, 599-648		
1784	Dynamic imaging with T2* contrast using U-FLARE. 1993 , 11, 921-4		12
1783	Susceptibility artifacts in 2DFT spin-echo and gradient-echo imaging: the cylinder model revisited. 1993 , 11, 539-48		84
1782	Functional brain mapping by blood oxygenation level-dependent contrast magnetic resonance imaging. A comparison of signal characteristics with a biophysical model. 1993 , 64, 803-12		1452
1781	Functional Mr Imaging at 1.5 T: Initial Results Using Photic and Motoric Stimulation. 1993 , 34, 101-103		9
1780	Cognitive neurophysiology of the motor cortex. 1993 , 260, 47-52		326
1779	Nuclear magnetic resonance imaging and spectroscopy of human brain function. 1993 , 90, 3127-33		71

1778	NMR and the study of pathological state in cells and tissues. 1993 , 145, 1-63		8
1777	Echo-planar magnetic resonance imaging studies of frontal cortex activation during word generation in humans. 1993 , 90, 4952-6		369
1776	Functional imaging of the brain by MRI. 1993 ,		
1775	Functional imaging of human motor cortex at high magnetic field. 1993 , 69, 297-302		308
1774	.		5
1773	Physicochemical Principles Influencing Magnetopharmaceuticals. 1994 , 75-99		33
1772	Functional magnetic resonance imaging (fMRI) of the human brain. 1994 , 54, 171-87		313
1771	Contrast agents for cerebral perfusion MR imaging. 1994 , 4, 235-42		30
1770	Reduction of signal fluctuation in functional MRI using navigator echoes. <i>Magnetic Resonance in Medicine</i> , 1994 , 31, 495-503	4.4	211
1769	BOLD MRI monitoring of changes in cerebral perfusion induced by acetazolamide and hypercarbia in the rat. <i>Magnetic Resonance in Medicine</i> , 1994 , 31, 557-60	4.4	29
1768	Cerebral blood oxygenation in rat brain during hypoxic hypoxia. Quantitative MRI of effective transverse relaxation rates. <i>Magnetic Resonance in Medicine</i> , 1994 , 31, 678-81	4.4	65
1767	Functional NMR imaging using fast spin echo at 1.5 T. <i>Magnetic Resonance in Medicine</i> , 1994 , 31, 686-90	4.4	74
1766	3-dimensional functional imaging of human brain using echo-shifted FLASH MRI. <i>Magnetic Resonance in Medicine</i> , 1994 , 32, 150-5	4.4	57
1765	Spreading waves of decreased diffusion coefficient after cortical stimulation in the rat brain. <i>Magnetic Resonance in Medicine</i> , 1994 , 32, 189-98	4.4	131
1764	Conditions for achieving artifact-free T2* preparation in MRI. <i>Magnetic Resonance in Medicine</i> , 1994 , 32, 230-5	4.4	4
1763	MR gradient echo imaging of intravascular blood oxygenation: T2* determination in the presence of flow. <i>Magnetic Resonance in Medicine</i> , 1994 , 32, 540-5	4.4	31
1762	Theory of NMR signal behavior in magnetically inhomogeneous tissues: the static dephasing regime. <i>Magnetic Resonance in Medicine</i> , 1994 , 32, 749-63	4.4	941
1761	A new method for proton detection of H ₂ (¹⁷ O) with potential applications for functional MRI. <i>Magnetic Resonance in Medicine</i> , 1994 , 32, 789-93	4.4	34

1760	Spin-echo and gradient-echo EPI of human brain activation using BOLD contrast: a comparative study at 1.5 T. 1994 , 7, 12-20	269
1759	Functional MRI of CO2 induced increase in cerebral perfusion. 1994 , 7, 29-34	96
1758	Comparison of EPI gradient-echo contrast changes in cat brain caused by respiratory challenges with direct simultaneous evaluation of cerebral oxygenation via a cranial window. 1994 , 7, 35-44	78
1757	Spatial patterns of functional activation of the cerebellum investigated using high field (4 T) MRI. 1994 , 7, 63-8	75
1756	Potential pitfalls of functional MRI using conventional gradient-recalled echo techniques. 1994 , 7, 69-74	194
1755	Inflow versus deoxyhemoglobin effects in BOLD functional MRI using gradient echoes at 1.5 T. 1994 , 7, 83-8	196
1754	Functional MRI mapping of stimulus rate effects across visual processing stages. 1994 , 1, 117-133	35
1753	Activation of the prefrontal cortex in a nonspatial working memory task with functional MRI. 1994 , 1, 293-304	385
1752	Localization of semantic processing using functional magnetic resonance imaging. 1994 , 2, 149-158	60
1751	Magnetic resonance imaging of brain function. 1994 , 35, 637-8	22
1750	Functional magnetic resonance imaging of human auditory cortex. 1994 , 35, 662-72	334
1749	Functional magnetic resonance imaging at 1.5 T: activation pattern in schizophrenic patients receiving neuroleptic medication. 1994 , 12, 975-82	51
1748	Functional 2D and 3D magnetic resonance imaging of motor cortex stimulation at high spatial resolution using standard 1.5 T imager. 1994 , 12, 9-15	26
1747	NMR studies of human brain function. 1994 , 19, 522-6	7
1746	Magnetic resonance functional imaging of the brain at 4 t. 1994 , 2, 147-156	5
1745	Perfusion and diffusion imaging. 1994 , 2, 225-231	0
1744	High-resolution echo-planar imaging at 3.0 T. 1994 , 2, 241-245	15
1743	Functional brain imaging using EPI at 3 T. 1994 , 2, 347-349	4

1742	Magnetic resonance imaging of propagating waves of spreading depression in the anaesthetised rat. 1994 , 14, 7-11	66
1741	Functional study of the brain by NMR. 1994 , 14, 365-72	40
1740	Dynamic magnetic resonance imaging of the rat brain during forepaw stimulation. 1994 , 14, 649-55	141
1739	Functional magnetic resonance imaging in partial epilepsy. 1994 , 35, 1194-8	65
1738	.	22
1737	Using principal component analysis to visualize the spatial distribution of functional areas of the brain as studied with MRI during motor and sensory activation. 1994 ,	
1736	Functional magnetic resonance studies of the reorganization of the human hand sensorimotor area after unilateral brain injury in the perinatal period. 1994 , 91, 9612-6	120
1735	Quantitative magnetic resonance imaging of human brain perfusion at 1.5 T using steady-state inversion of arterial water. 1994 , 91, 33-7	161
1734	Illusory contours activate specific regions in human visual cortex: evidence from functional magnetic resonance imaging. 1995 , 92, 6469-73	176
1733	Identification of human brain regions underlying responses to resistive inspiratory loading with functional magnetic resonance imaging. 1995 , 92, 6607-11	63
1732	Three-dimensional functional magnetic resonance imaging of human brain on a clinical 1.5-T scanner. 1995 , 92, 6906-10	126
1731	Functional magnetic resonance imaging of the human motor cortex. 1995 , 35, 277-84	1
1730	Functional magnetic resonance imaging as a management tool for cerebral arteriovenous malformations. 1995 , 37, 619-25; discussion 625-6	97
1729	Echo Planar Imaging on a Standard 1.5 Tesla Imager. 1995 , 5, 205-207	4
1728	Magnetic Resonance Imaging of Brain Function Rationale and Magnet Applications for Clinical use. 1995 , 8, 345-370	2
1727	Functional magnetic resonance imaging of the central auditory pathway following speech and pure-tone stimuli. 1995 , 105, 1305-10	49
1726	Spiral K-space MR imaging of cortical activation. 1995 , 5, 49-56	219
1725	Comparison of T2 relaxation in blood, brain, and ferritin. 1995 , 5, 446-50	67

1724	Functional MR imaging using gradient-echo echo-planar imaging in the presence of large static field inhomogeneities. 1995 , 5, 746-52		72
1723	Proton transverse nuclear magnetic relaxation in oxidized blood: a numerical approach. <i>Magnetic Resonance in Medicine</i> , 1995 , 33, 93-100	4.4	53
1722	Block regional interpolation scheme for k-space (BRISK): a rapid cardiac imaging technique. <i>Magnetic Resonance in Medicine</i> , 1995 , 33, 163-70	4.4	485
1721	Changes in T2*-weighted images during hyperoxia differentiate tumors from normal tissue. <i>Magnetic Resonance in Medicine</i> , 1995 , 33, 318-25	4.4	48
1720	BOLD based functional MRI at 4 Tesla includes a capillary bed contribution: echo-planar imaging correlates with previous optical imaging using intrinsic signals. <i>Magnetic Resonance in Medicine</i> , 1995 , 33, 453-9	4.4	358
1719	Susceptibility magnetic resonance imaging using spectral decomposition. <i>Magnetic Resonance in Medicine</i> , 1995 , 33, 521-8	4.4	18
1718	Functional mapping of the human somatosensory cortex with echo-planar MRI. <i>Magnetic Resonance in Medicine</i> , 1995 , 33, 736-43	4.4	71
1717	Discrimination of large venous vessels in time-course spiral blood-oxygen-level-dependent magnetic-resonance functional neuroimaging. <i>Magnetic Resonance in Medicine</i> , 1995 , 33, 745-54	4.4	283
1716	Retrospective estimation and correction of physiological fluctuation in functional MRI. <i>Magnetic Resonance in Medicine</i> , 1995 , 34, 201-12	4.4	390
1715	NMR relaxation rates and blood oxygenation level. <i>Magnetic Resonance in Medicine</i> , 1995 , 34, 234-41	4.4	72
1714	Quantification of relative cerebral blood flow change by flow-sensitive alternating inversion recovery (FAIR) technique: application to functional mapping. <i>Magnetic Resonance in Medicine</i> , 1995 , 34, 293-301	4.4	896
1713	Vascular transit times in calcarine cortex: kinetic analysis of R2* changes observed using localized 1H spectroscopy. <i>Magnetic Resonance in Medicine</i> , 1995 , 34, 326-30	4.4	3
1712	Correlation of early reduction in the apparent diffusion coefficient of water with blood flow reduction during middle cerebral artery occlusion in rats. <i>Magnetic Resonance in Medicine</i> , 1995 , 34, 368-77	4.4	47
1711	Blood oxygenation dependence of T1 and T2 in the isolated, perfused rabbit heart at 4.7T. <i>Magnetic Resonance in Medicine</i> , 1995 , 34, 623-7	4.4	52
1710	In vivo validation of the bold mechanism: A review of signal changes in gradient echo functional MRI in the presence of flow. 1995 , 6, 153-163		88
1709	Methodologic considerations for spiral k-space functional MRI. 1995 , 6, 175-183		15
1708	Comparison of T2*-weighted sequences for functional MRI. 1995 , 6, 184-190		
1707	High-temporal-resolution studies of the human primary visual cortex at 4 T: Teasing out the oxygenation contribution in FMRI. 1995 , 6, 209-215		12

1706	Evaluating conventional fMRI with respect to noninvasive localization of neuronal activity. 1995 , 6, 225-229	3
1705	Effects of large vessels in functional magnetic resonance imaging at 1.5T. 1995 , 6, 245-252	9
1704	Cognitive task design for fMRI. 1995 , 6, 253-270	6
1703	Simultaneous functional magnetic resonance imaging and electrophysiological recording. 1995 , 3, 13-23	92
1702	Spreading waves of a reduced diffusion coefficient of water in normal and ischemic rat brain. 1995 , 15, 179-87	102
1701	Comparing localization of conventional functional magnetic resonance imaging and magnetoencephalography. 1995 , 7, 1121-4	62
1700	Noninvasive monitoring of carbogen-induced changes in tumor blood flow and oxygenation by functional magnetic resonance imaging. 1995 , 33, 855-9	108
1699	The effect of sacrifice on image signal, T1, T2, and T*2 in liver, kidney, and brain of the Wistar rat. 1995 , 13, 563-74	14
1698	Visualisation of changes in regional cerebral blood flow (rCBF) produced by ketamine using long TE gradient-echo sequences: preliminary results. 1995 , 13, 549-53	34
1697	Postprocessing of functional MRI data of motor cortex stimulation measured with a standard 1.5 T imager. 1995 , 13, 701-7	28
1696	Event-related functional MR imaging of visual cortex stimulation at high temporal resolution using a standard 1.5 T imager. 1995 , 13, 899-901	14
1695	Ictal imaging using functional magnetic resonance. 1995 , 13, 1233-7	17
1694	From NMR diffraction and zeugmatography to modern imaging and beyond. 1995 , 28, 87-135	16
1693	Functional Magnetic Resonance Imaging. 1995 , 239-326	16
1692	Functional Imaging of Cerebral Cortex Activation with a 1.5-T IVIR Imaging System. 1995 , 33, 1	
1691	Comparison of magnetoencephalography, functional MRI, and motor evoked potentials in the localization of the sensory-motor cortex. 1995 , 17, 361-367	76
1690	Functional magnetic resonance imaging of primary visual processing using a 1.0 Tesla scanner. 1995 , 81, 151-68	11
1689	Functional magnetic resonance imaging at 1 T: motor cortex, supplementary motor area and visual cortex activation. 1995 , 68, 369-74	20

1688	The developing role of magnetic resonance contrast media in the detection of ischemic heart disease. 1995 , 208, 238-54	13
1687	Lateralized human brain language systems demonstrated by task subtraction functional magnetic resonance imaging. 1995 , 52, 593-601	288
1686	Functional magnetic resonance imaging of sensory and motor cortex: comparison with electrophysiological localization. 1995 , 83, 262-70	244
1685	Magnetic resonance imaging using deoxyhemoglobin contrast versus positron emission tomography in the assessment of brain function. 1995 , 19, 351-66	6
1684	Recognition and neural plasticity responding to deficient nutrient intake scanned by a functional MRI in the brain of rats with L-lysine deficiency. 1995 , 3 Suppl 5, 685S-688S	9
1683	Imaging of brain iron by magnetic resonance: T2 relaxation at different field strengths. 1995 , 134 Suppl, 10-8	69
1682	Magnetic resonance imaging of brain iron in health and disease. 1995 , 134 Suppl, 19-26	71
1681	Functional mapping of the sensorimotor cortex: combined use of magnetoencephalography, functional MRI, and motor evoked potentials. 1995 , 37, 526-30	56
1680	Functional MRI measurement of language lateralization in Wada-tested patients. 1995 , 118 (Pt 6), 1411-9	435
1679	. 1995 , 42, 1338-1342	7
1678	Functional brain imaging with a standard 1.5-T magnetic resonance imaging system. 1995 , 2, 916-23	5
1677	Technical foundations and pitfalls of clinical fMRI. 1996 , 4, S63-75	37
1676	Functional MRI and the study of OCD: from symptom provocation to cognitive-behavioral probes of cortico-striatal systems and the amygdala. 1996 , 4, S127-38	114
1675	Functional magnetic resonance neuroimaging data acquisition techniques. 1996 , 4, S76-83	20
1674	Magnetic resonance imaging of human brain function. 1996 , 45, 385-91	9
1673	Non-invasive functional mapping with multi-channel near infra-red spectroscopic topography in humans. 1996 , 205, 41-4	192
1672	A study of the contribution of changes in the cerebral blood volume to the haemodynamic response to anoxia in rat brain. 1996 , 9, 233-40	4
1671	Change of visually induced cortical activation patterns during development. 1996 , 347, 543	61

1670	The functional basis of ocular dominance: functional MRI (fMRI) findings. 1996 , 221, 1-4	87
1669	Cerebral organization of component processes in reading. 1996 , 119 (Pt 4), 1221-38	524
1668	Quantitative comparison of functional magnetic resonance imaging with positron emission tomography using a force-related paradigm. 1996 , 4, 201-9	91
1667	Ogawa, Seiji: A Way of Reaching Brain Function with Magnetic Resonance. 1996 ,	
1666	Detection of brain activation signal from functional magnetic resonance imaging data. 1996 , 6, 207-12	4
1665	Functional magnetic resonance imaging of regional brain activity in patients with intracerebral gliomas: findings and implications for clinical management. 1996 , 38, 329-38	206
1664	Multimodality multidimensional image analysis of cortical and subcortical plasticity in the rat brain. 1996 , 24, 430-9	8
1663	Endotoxin-induced changes in intrarenal pO ₂ , measured by in vivo electron paramagnetic resonance oximetry and magnetic resonance imaging. 1996 , 21, 25-34	68
1662	Odor memory: Review and analysis. 1996 , 3, 300-13	266
1661	Ultra-high-speed MR imaging. 1996 , 6, 297-311	15
1660	Improved target volume definition in radiosurgery of arteriovenous malformations by stereotactic correlation of MRA, MRI, blood bolus tagging, and functional MRI. 1996 , 6, 38-45	30
1659	Complications of neurosurgical anesthesia. 1996 , 15, 295-304	
1658	The future technical development of MRI. 1996 , 6, 52-6	2
1657	Functional MRI in human somatosensory cortex activated by touching textured surfaces. 1996 , 6, 565-72	60
1656	Application of reduced-encoding imaging with generalized-series reconstruction (RIGR) in dynamic MR imaging. 1996 , 6, 783-97	32
1655	Perfusion changes in human skeletal muscle during reactive hyperemia measured by echo-planar imaging. <i>Magnetic Resonance in Medicine</i> , 1996 , 35, 62-9	4.4 73
1654	Diffusion weighted fMRI at 1.5 T. <i>Magnetic Resonance in Medicine</i> , 1996 , 35, 155-8	4.4 192
1653	Decomposition of inflow and blood oxygen level-dependent (BOLD) effects with dual-echo spiral gradient-recalled echo (GRE) fMRI. <i>Magnetic Resonance in Medicine</i> , 1996 , 35, 299-308	4.4 69

1652	Cerebrovascular changes in rats during ischemia and reperfusion: a comparison of BOLD and first pass bolus tracking techniques. <i>Magnetic Resonance in Medicine</i> , 1996 , 35, 489-96	4.4	17
1651	Multislice interleaved excitation cycles (MUSIC): an efficient gradient-echo technique for functional MRI. <i>Magnetic Resonance in Medicine</i> , 1996 , 35, 870-4	4.4	36
1650	Myocardial intensity changes associated with flow stimulation in blood oxygenation sensitive magnetic resonance imaging. <i>Magnetic Resonance in Medicine</i> , 1996 , 36, 78-82	4.4	56
1649	Quantitative assessment of blood inflow effects in functional MRI signals. <i>Magnetic Resonance in Medicine</i> , 1996 , 36, 314-9	4.4	69
1648	Fast 3D functional magnetic resonance imaging at 1.5 T with spiral acquisition. <i>Magnetic Resonance in Medicine</i> , 1996 , 36, 620-6	4.4	62
1647	Commutator filter: a novel technique for the identification of structures producing significant susceptibility inhomogeneities and its application to functional MRI. <i>Magnetic Resonance in Medicine</i> , 1996 , 36, 781-7	4.4	17
1646	Diffusion of metabolites in normal and ischemic rat brain measured by localized ¹ H MRS. <i>Magnetic Resonance in Medicine</i> , 1996 , 36, 914-22	4.4	122
1645	Modification of tumour perfusion and oxygenation monitored by gradient recalled echo MRI and ³¹ P MRS. 1996 , 9, 208-16		23
1644	Effect of profound ischaemia on human muscle: MRI, phosphorus MRS and near-infrared studies. 1996 , 9, 305-14		8
1643	Interpretation of BOLD MRI signals in rat brain using simultaneously measured near-infrared spectrophotometric information. 1996 , 9, 333-8		23
1642	Reproducibility of human 3D fMRI brain maps acquired during a motor task. 1996 , 4, 113-21		48
1641	Monitoring of task performance during functional magnetic resonance imaging of sensorimotor cortex at 1.5 T. 1996 , 14, 51-8		30
1640	Functional MR imaging of visual and motor cortex stimulation at high temporal resolution using a FLASH technique on a standard 1.5 Tesla scanner. 1996 , 14, 477-83		12
1639	Reproducibility and postprocessing of gradient-echo functional MRI to improve localization of brain activity in the human visual cortex. 1996 , 14, 567-79		60
1638	Functional magnetic resonance imaging in a stereotactic setup. 1996 , 14, 1007-12		23
1637	Magnetic resonance imaging methods for study of human brain function and their application at high magnetic field. 1996 , 20, 467-81		4
1636	Recognition of deficient nutrient intake in the brain of rat with L-lysine deficiency monitored by functional magnetic resonance imaging, electrophysiologically and behaviorally. 1996 , 10, 73-81		19
1635	Bilder aus dem Gehirn funktionelle Bildgebung mit NMR. 1996 , 27, 17-27		

1634	Functional mapping of human sensorimotor cortex with 3D BOLD fMRI correlates highly with H ₂ (15)O PET rCBF. 1996 , 16, 755-64	111
1633	Lactate accumulation during moderate hypoxic hypoxia in neocortical rat brain. 1996 , 16, 1345-52	23
1632	Functional Magnetic Resonance Imaging with Echo Planar Imaging. 1996 , 73-90	6
1631	Functional magnetic resonance imaging of symptom provocation in obsessive-compulsive disorder. 1996 , 53, 595-606	502
1630	Cerebral blood flow in the newborn infant. 1996 , 74, F63-9	77
1629	Functional magnetic resonance imaging of regional brain activity in patients with intracerebral arteriovenous malformations before surgical or endovascular therapy. 1996 , 84, 477-83	131
1628	Pallidal lesions. Structural and functional magnetic resonance imaging. 1996 , 53, 682-6	28
1627	Functional Magnetic Resonance Imaging of Semantic Memory Processes in the Frontal Lobes. 1996 , 7, 278-283	251
1626	Chapter 21 Quantitative magnetic resonance imaging: applications and estimation of errors. 1996 , 18, 452-488	1
1625	Quantification of intensity variations in functional MR images using rotated principal components. 1996 , 41, 1425-38	55
1624	[Neuroradiologic activation studies of cerebral organization of language capacities. A review of the literature]. 1997 , 65, 182-94	3
1623	Functional magnetic resonance imaging and transcranial magnetic stimulation: complementary approaches in the evaluation of cortical motor function. 1997 , 48, 1406-16	139
1622	Functional Magnetic Resonance Imaging in the Investigation of Brain Recovery and Reorganization after Ischemic Infarct. 1997 , 640-644	
1621	Functional MRI evidence for subcortical participation in conceptual reasoning skills. 1997 , 8, 1987-93	117
1620	Central Mechanisms of Learned Preference for a Deficient Essential Nutrient, L-Lysine, and Recognition of Its Quantitative Intake in Rats.. 1997 , 3, 217-225	
1619	Functional magnetic resonance imaging: a potential tool for the evaluation of spinal cord stimulation: technical case report. 1997 , 41, 501-4	55
1618	Anatomic localization and quantitative analysis of gradient refocused echo-planar fMRI susceptibility artifacts. 1997 , 6, 156-67	556
1617	Simultaneous measurement of DeltaR ₂ and DeltaR ₂ * in cat brain during hypoxia and hypercapnia. 1997 , 6, 191-200	37

1616	Near-simultaneous hemoglobin saturation and oxygen tension maps in mouse brain using an AOTF microscope. 1997 , 73, 1223-31	96
1615	Stroke: the role of functional imaging. 1997 , 24, 2-5	5
1614	Optical Imaging of Brain Function and Metabolism 2. 1997 ,	8
1613	Separate neural bases of two fundamental memory processes in the human medial temporal lobe. 1997 , 276, 264-6	512
1612	Ocular dominance in human V1 demonstrated by functional magnetic resonance imaging. 1997 , 77, 2780-7	248
1611	Magnetic Source Imaging as A Tool for Presurgical Functional Brain Mapping. 1997 , 8, 421-438	14
1610	Magnetic Resonance Imaging of Human Brain Function. 1997 , 8, 345-371	35
1609	The Physical Basis of Neuroimaging Techniques. 1997 , 6, 213-264	7
1608	Functional Magnetic Resonance Imaging of the Somatosensory Cortex. 1997 , 8, 373-381	9
1607	Distributed neural systems underlying the timing of movements. 1997 , 17, 5528-35	527
1606	Detection of cerebral ischemia in systemic lupus erythematosus by magnetic resonance techniques. 1997 , 823, 120-31	4
1605	Hypercapnia reversibly suppresses low-frequency fluctuations in the human motor cortex during rest using echo-planar MRI. 1997 , 17, 301-8	138
1604	Magnetoencephalography may help to improve functional MRI brain mapping. 1997 , 9, 1072-7	34
1603	Distinct cortical areas associated with native and second languages. 1997 , 388, 171-4	754
1602	The response to carbogen breathing in experimental tumour models monitored by gradient-recalled echo magnetic resonance imaging. 1997 , 75, 1000-6	67
1601	T2*-weighted magnetic resonance imaging of cerebrovascular reactivity in rat reversible focal cerebral ischemia. 1997 , 744, 207-15	29
1600	Regional assessment of tissue oxygenation and the temporal evolution of hemodynamic parameters and water diffusion during acute focal ischemia in rat brain. 1997 , 750, 161-70	46
1599	High-field (9.4 T)(1)H magnetic resonance microscopy of mouse brain. 1997 , 40, 477-80	

1598	Role of dissolved plasma oxygen in hyperoxia-induced contrast. 1997 , 15, 123-6		37
1597	Quantification of signal changes in gradient recalled echo FMRI. 1997 , 15, 753-62		10
1596	Functional magnetic resonance imaging of the human brain. 1997 , 74, 229-43		84
1595	The response of human tumors to carbogen breathing, monitored by Gradient-Recalled Echo Magnetic Resonance Imaging. 1997 , 39, 697-701		119
1594	Effect of oxygen inhalation on relaxation times in various tissues. 1997 , 7, 220-5		153
1593	Inadequacy of motion correction algorithms in functional MRI: role of susceptibility-induced artifacts. 1997 , 7, 365-70		65
1592	Localized echo-volume imaging methods for functional MRI. 1997 , 7, 371-5		30
1591	Fuzzy clustering of gradient-echo functional MRI in the human visual cortex. Part I: reproducibility. 1997 , 7, 1094-101		110
1590	Perfusion imaging by a flow-sensitive alternating inversion recovery (FAIR) technique: application to functional brain imaging. <i>Magnetic Resonance in Medicine</i> , 1997 , 37, 425-35	4.4	215
1589	Evaluation of the early response in fMRI in individual subjects using short stimulus duration. <i>Magnetic Resonance in Medicine</i> , 1997 , 37, 877-84	4.4	220
1588	Physiologic basis for BOLD MR signal changes due to hypoxia/hyperoxia: separation of blood volume and magnetic susceptibility effects. <i>Magnetic Resonance in Medicine</i> , 1997 , 37, 953-6	4.4	81
1587	Spectroscopic imaging of the water resonance with short repetition time to study tumor response to hyperoxia. <i>Magnetic Resonance in Medicine</i> , 1997 , 38, 27-32	4.4	41
1586	Comparison of blood oxygenation and cerebral blood flow effects in fMRI: estimation of relative oxygen consumption change. <i>Magnetic Resonance in Medicine</i> , 1997 , 38, 59-65	4.4	194
1585	Experimental determination of the BOLD field strength dependence in vessels and tissue. <i>Magnetic Resonance in Medicine</i> , 1997 , 38, 296-302	4.4	415
1584	STAR-HASTE: perfusion imaging without magnetic susceptibility artifact. <i>Magnetic Resonance in Medicine</i> , 1997 , 38, 404-8	4.4	49
1583	Abstracts (Continue in Part II). 1997 , 1997, 51-100		
1582	Abstracts (Continue in Part XVIII). 1997 , 1997, 851-900		
1581	Proceedings from the First International Symposium on the Congenital Central Hypoventilation Syndrome held in New Orleans, LA, on May 11, 1996. 1997 , 23, 133-168		7

1580	A study of the contribution of changes in the cerebral blood volume to the haemodynamic response to anoxia in rat brain. 1997 , 10, 59-66	5
1579	Current issues in functional MRI. 1997 , 10, 157-9	
1578	Methods for assessing accuracy and reliability in functional MRI. 1997 , 10, 160-4	40
1577	High-resolution echo-planar fMRI of human visual cortex at 3.0 tesla. 1997 , 10, 183-90	69
1576	Multi-slice perfusion-based functional MRI using the FAIR technique: comparison of CBF and BOLD effects. 1997 , 10, 191-6	82
1575	The effect of off-resonance radiofrequency pulse saturation on fMRI contrast. 1997 , 10, 208-15	14
1574	Imaging H ₂ (17)O distribution in a phantom and measurement of metabolically produced H ₂ (17)O in live mice by proton NMR. 1997 , 10, 333-40	21
1573	Visual association encoding activates the medial temporal lobe: a functional magnetic resonance imaging study. 1997 , 7, 594-601	123
1572	Characterization of cerebral blood oxygenation and flow changes during prolonged brain activation. 1997 , 5, 93-109	115
1571	In vivo measurement of blood oxygen saturation using magnetic resonance imaging: a direct validation of the blood oxygen level-dependent concept in functional brain imaging. 1997 , 5, 341-6	175
1570	Weak-Diffusion Theory of NMR Signal in Magnetically Heterogeneous Media. 1997 , 126, 193-199	5
1569	Regional brain activation in humans during respiratory and blood pressure challenges. 1998 , 25, 483-6	86
1568	High-resolution functional magnetic resonance imaging of the rat brain: mapping changes in cerebral blood volume using iron oxide contrast media. 1998 , 18, 1178-83	73
1567	A BOLD move for fMRI. 1998 , 4, 155-6	8
1566	Hypothalamic control of amino acid appetite. 1998 , 855, 417-25	12
1565	fMRI study of taste cortical areas in humans. 1998 , 855, 535-45	83
1564	Phonological and perceptual components of short-term memory for odors. 1998 , 855, 635-7	3
1563	Correlation of magnetic resonance and oxygen microelectrode measurements of carbogen-induced changes in tumor oxygenation. 1998 , 41, 151-9	95

1562	Signal averaged laser Doppler measurements of activation-flow coupling in the rat forepaw somatosensory cortex. 1998 , 796, 91-8		64
1561	Magnetic resonance imaging techniques for monitoring changes in tumor oxygenation and blood flow. 1998 , 8, 197-207		69
1560	Functional MRI studies of word-stem completion: reliability across laboratories and comparison to blood flow imaging with PET. 1998 , 6, 203-15		99
1559	Congenital central hypoventilation syndrome: an update. 1998 , 26, 273-82		129
1558	Three-dimensional spiral fMRI technique: a comparison with 2D spiral acquisition. <i>Magnetic Resonance in Medicine</i> , 1998 , 39, 68-78	4.4	49
1557	Quantitation of intrinsic magnetic susceptibility-related effects in a tissue matrix. Phantom study. <i>Magnetic Resonance in Medicine</i> , 1998 , 39, 417-28	4.4	200
1556	Spatial and temporal differentiation of fMRI BOLD response in primary visual cortex of human brain during sustained visual stimulation. <i>Magnetic Resonance in Medicine</i> , 1998 , 39, 520-7	4.4	40
1555	Recovery of the rodent brain after cardiac arrest: a functional MRI study. <i>Magnetic Resonance in Medicine</i> , 1998 , 39, 783-8	4.4	35
1554	Analysis of subcutaneous angiogenesis by gradient echo magnetic resonance imaging. <i>Magnetic Resonance in Medicine</i> , 1998 , 39, 813-24	4.4	72
1553	A spiral volume coil for improved RF field homogeneity at high static magnetic field strength. <i>Magnetic Resonance in Medicine</i> , 1998 , 40, 49-54	4.4	75
1552	Signal undershoots following visual stimulation: a comparison of gradient and spin-echo BOLD sequences. <i>Magnetic Resonance in Medicine</i> , 1998 , 40, 112-8	4.4	32
1551	Functional imaging by I0- and T2*-parameter mapping using multi-image EPI. <i>Magnetic Resonance in Medicine</i> , 1998 , 40, 243-8	4.4	123
1550	Functional MRI of the rat somatosensory cortex: effects of hyperventilation. <i>Magnetic Resonance in Medicine</i> , 1998 , 40, 421-6	4.4	32
1549	Partial Fourier reconstruction for three-dimensional gradient echo functional MRI: comparison of phase correction methods. <i>Magnetic Resonance in Medicine</i> , 1998 , 40, 481-90	4.4	18
1548	Evidence of muscle BOLD effect revealed by simultaneous interleaved gradient-echo NMRI and myoglobin NMRS during leg ischemia. <i>Magnetic Resonance in Medicine</i> , 1998 , 40, 551-8	4.4	75
1547	Functional burst imaging. <i>Magnetic Resonance in Medicine</i> , 1998 , 40, 614-21	4.4	25
1546	Physiological basis for BOLD MR signal changes due to neuronal stimulation: separation of blood volume and magnetic susceptibility effects. <i>Magnetic Resonance in Medicine</i> , 1998 , 40, 840-6	4.4	110
1545	The MR tomograph as a sound generator: fMRI tool for the investigation of the auditory cortex. <i>Magnetic Resonance in Medicine</i> , 1998 , 40, 934-7	4.4	30

1544 Abstracts (Continue in Part VI). **1998**, 1998, 251-300

1543 Abstracts (Continue in Part XXIX). **1998**, 1998, 1401-1450

1542 Abstracts (Continue in Part XXX). **1998**, 1998, 1451-1500

1541 Functional magnetic resonance mapping of sensory motor cortex for image-guided neurosurgical intervention. **1998**, 140, 215-22 58

1540 High-resolution venography of the brain using magnetic resonance imaging. **1998**, 6, 62-9 92

1539 fMRI und direkte elektrische kortikale Stimulation. **1998**, 8, 99-107 4

1538 Effect of eye movements on the magnitude of functional magnetic resonance imaging responses in extrastriate cortex during visual motion perception. **1998**, 119, 409-14 23

1537 High-resolution venography of the brain using magnetic resonance imaging. **1998**, 6, 62-69 5

1536 Activation of non-primary motor areas during a complex finger movement task revealed by functional magnetic resonance imaging. **1998**, 52, 339-43 15

1535 Within-subject reproducibility of visual activation patterns with functional magnetic resonance imaging using multislice echo planar imaging. **1998**, 16, 105-13 145

1534 Quantifying and comparing region-of-interest activation patterns in functional brain MR imaging: methodology considerations. **1998**, 16, 289-300 45

1533 Oxygen-induced MR signal changes in murine tumors. **1998**, 16, 799-809 19

1532 Comparison of functional MR-venography and EPI-BOLD fMRI at 1.5 T. **1998**, 16, 989-91 20

1531 Simultaneous measurement of perfusion and oxygenation changes using a multiple gradient-echo sequence: application to human muscle study. **1998**, 16, 721-9 64

1530 Tonotopic organization of the human auditory cortex as detected by BOLD-FMRI. **1998**, 126, 19-27 124

1529 Advances in pediatric neuroimaging. **1998**, 20, 275-89 22

1528 Crossmodal identification. **1998**, 2, 247-53 127

1527 Voir le cerveau penser: qu'attendre de l'imagerie fonctionnelle par IRM?. **1998**, 9, 75-82

1526	Chemical and physiologic brain imaging in schizophrenia. 1998 , 21, 93-122	26
1525	Spatial and temporal resolution of functional magnetic resonance imaging. 1998 , 76, 560-571	30
1524	Statistical analysis of functional MRI data in the wavelet domain. 1998 , 17, 142-54	95
1523	Functional imaging of the brain in the evaluation of drug response and its application to the study of aging. 1998 , 13, 211-22	7
1522	Auditory cortical responses in hearing subjects and unilateral deaf patients as detected by functional magnetic resonance imaging. 1998 , 8, 156-63	168
1521	RETROSPEKTIVE BESTIMMUNG PHYSIOLOGISCHER BEWEGUNGEN IN DER FUNKTIONELLEN KERNSPINTOMOGRAPHIE. 1998 , 43, 27-28	
1520	Central mechanism of umami taste perception and effect of dietary protein on the preference for amino acids and sodium chloride in rats. 1998 , 14, 273-308	13
1519	Imaging of H217O distribution in the brain of a live rat by using proton-detected 17O MRI. 1998 , 95, 12934-9	36
1518	Functional MRI lateralization of memory in temporal lobe epilepsy. 1998 , 50, 926-32	227
1517	Pilot study of functional MRI to assess cerebral activation of motor function after poststroke hemiparesis. 1998 , 29, 112-22	398
1516	Dynamics of cerebral tissue injury and perfusion after temporary hypoxia-ischemia in the rat: evidence for region-specific sensitivity and delayed damage. 1998 , 29, 695-704	139
1515	Motor, somatosensory and auditory cortex localization by fMRI and MEG. 1998 , 9, 1953-7	77
1514	[Visualization of central auditory processes with functional magnetic resonance tomography]. 1998 , 77, 328-31	7
1513	Comparison of Rhyming and Word Generation with FMRI. 1998 , 7, S139	
1512	Single-Shot Multi-Image Inversion Recovery Technique For Generating Functional I0 and T2* Parameter Maps. 1998 , 7, S543	
1511	Estimation Of True T2* In High Resolution Multi-Echo BOLD-Imaging. 1998 , 7, S544	
1510	. 1999 ,	29
1509	Signal to Noise Improvement in fMRI Analysis. 1999 , 44, 181-183	

1508 Contrast Mechanisms in MRI. **1999**, 349-358

1507	Hemispheric language dominance in children demonstrated by functional magnetic resonance imaging. 1999 , 14, 78-82	36
1506	Presurgical motor and somatosensory cortex mapping with functional magnetic resonance imaging and positron emission tomography. 1999 , 91, 915-21	80
1505	Diminished regional cerebral blood flow response to vibration in patients with blepharospasm. 1999 , 52, 291-7	65
1504	Magnetic resonance imaging and magnetic resonance spectroscopy assessment of brain function in experimental animals and man. 1999 , 13, 330-6	12
1503	Brain mapping in sedated infants and young children with passive-functional magnetic resonance imaging. 1999 , 30, 86-92	90
1502	Retinotopic mapping of lateral geniculate nucleus in humans using functional magnetic resonance imaging. 1999 , 96, 2430-4	67
1501	Diltiazem enhances tumor blood flow: MRI study in a murine tumor. 1999 , 43, 413-21	13
1500	The lag of cerebral hemodynamics with rapidly alternating periodic stimulation: modeling for functional MRI. 1999 , 17, 9-20	24
1499	Functional magnetic resonance (fMR) imaging of a rat brain tumor model: implications for evaluation of tumor microvasculature and therapeutic response. 1999 , 17, 537-48	25
1498	High-resolution MR venography of cerebral arteriovenous malformations. 1999 , 17, 1417-25	76
1497	Flow and oxygenation dependent (FLOOD) contrast MR imaging to monitor the response of rat tumors to carbogen breathing. 1999 , 17, 1307-18	85
1496	A patchy horizontal organization of the somatosensory activation of the rat cerebellum demonstrated by functional MRI. 1999 , 11, 2720-30	24
1495	Functional imaging of the monkey brain. 1999 , 2, 555-62	443
1494	Evidence of a cerebrovascular postarteriole windkessel with delayed compliance. 1999 , 19, 679-89	426
1493	Measuring cerebral blood flow using magnetic resonance imaging techniques. 1999 , 19, 701-35	543
1492	Differences in functional magnetic resonance imaging of sensorimotor cortex during static and dynamic finger flexion. 1999 , 126, 431-8	48
1491	MR-eyetracker: a new method for eye movement recording in functional magnetic resonance imaging. 1999 , 126, 443-9	58

1490	Past, present and future of pediatric neuroradiology. 1999 , 15, 624-34		4
1489	Brain imaging in a patient with hemimicropsia. 1999 , 37, 1327-34		50
1488	Delivery of imaging agents into brain. 1999 , 37, 253-77		47
1487	An integrated head immobilization system and high-performance RF coil for fMRI of visual paradigms at 1.5 T. 1999 , 139, 26-34		13
1486	Near-optimal spatial encoding for dynamically adaptive MRI: Mathematical principles and computational methods. 1999 , 10, 151-165		4
1485	Explorative signal processing in functional MR imaging. 1999 , 10, 166-176		22
1484	Influence of acoustic masking noise in fMRI of the auditory cortex during phonetic discrimination. 1999 , 9, 19-25		76
1483	Sub-millimeter fMRI at 1.5 Tesla: correlation of high resolution with low resolution measurements. 1999 , 9, 475-82		41
1482	NMR relaxation times in the human brain at 3.0 tesla. 1999 , 9, 531-8		622
1481	Improving high-resolution MR bold venographic imaging using a T1 reducing contrast agent. 1999 , 10, 118-23		44
1480	Theory of the BOLD effect in the capillary region: an analytical approach for the determination of T2 in the capillary network of myocardium. <i>Magnetic Resonance in Medicine</i> , 1999 , 41, 51-62	4.4	70
1479	Performance of a high-temperature superconducting probe for in vivo microscopy at 2.0 T. <i>Magnetic Resonance in Medicine</i> , 1999 , 41, 72-9	4.4	38
1478	Investigation of the early response to rat forepaw stimulation. <i>Magnetic Resonance in Medicine</i> , 1999 , 41, 247-52	4.4	75
1477	Rapid T2* mapping using interleaved echo planar imaging. <i>Magnetic Resonance in Medicine</i> , 1999 , 41, 368-74	4.4	11
1476	Comparison of evoked cortical activity in conscious and propofol-anesthetized rats using functional MRI. <i>Magnetic Resonance in Medicine</i> , 1999 , 41, 412-6	4.4	118
1475	Further evaluation of the initial negative response in functional magnetic resonance imaging. <i>Magnetic Resonance in Medicine</i> , 1999 , 41, 436-41	4.4	58
1474	Early changes in water diffusion, perfusion, T1, and T2 during focal cerebral ischemia in the rat studied at 8.5 T. <i>Magnetic Resonance in Medicine</i> , 1999 , 41, 479-85	4.4	124
1473	The early response in fMRI: a modeling approach. <i>Magnetic Resonance in Medicine</i> , 1999 , 41, 550-4	4.4	21

1472	Regional heterogeneity in the brain's response to hypoxia measured using BOLD MR imaging. <i>Magnetic Resonance in Medicine</i> , 1999 , 41, 850-4	4.4	33
1471	Visual feedback to stabilize head position for fMRI. <i>Magnetic Resonance in Medicine</i> , 1999 , 41, 1039-43	4.4	30
1470	3D spiral cardiac/respiratory ordered fMRI data acquisition at 3 Tesla. <i>Magnetic Resonance in Medicine</i> , 1999 , 41, 983-91	4.4	15
1469	Detection of the early negative response in fMRI at 1.5 Tesla. <i>Magnetic Resonance in Medicine</i> , 1999 , 41, 1088-92	4.4	57
1468	Determination of relative CMRO2 from CBF and BOLD changes: significant increase of oxygen consumption rate during visual stimulation. <i>Magnetic Resonance in Medicine</i> , 1999 , 41, 1152-61	4.4	239
1467	Composite image formation in z-shimmed functional MR imaging. <i>Magnetic Resonance in Medicine</i> , 1999 , 42, 110-7	4.4	105
1466	Gradient echo time dependence and quantitative parameter maps for somatosensory activation in rats at 7 T. <i>Magnetic Resonance in Medicine</i> , 1999 , 42, 118-26	4.4	25
1465	BOLD MRI of the human cervical spinal cord at 3 tesla. <i>Magnetic Resonance in Medicine</i> , 1999 , 42, 571-6	4.4	75
1464	Spatially resolved measurements of hyperpolarized gas properties in the lung in vivo. Part II: T*(2). <i>Magnetic Resonance in Medicine</i> , 1999 , 42, 729-37	4.4	65
1463	Contrast in solid-state NMR imaging Part IIb: Advanced filters, spectroscopic parameters, and sample manipulation. 1999 , 11, 147-164		4
1462	MRI measurement of the functional blood flow changes in a large superficial vein draining the motor cortex. 1999 , 12, 107-14		2
1461	Tumour response to hypercapnia and hyperoxia monitored by FLOOD magnetic resonance imaging. 1999 , 12, 98-106		76
1460	Multi-frequency reference function to reduce noise in functional MRI. 1999 , 46, 513-519		1
1459	Fast magnetic resonance imaging of the lung. 1999 , 29, 114-32		76
1458	Exploring brain function with magnetic resonance imaging. 1999 , 30, 84-94		53
1457	Simultaneous blood oxygenation level-dependent and cerebral blood flow functional magnetic resonance imaging during forepaw stimulation in the rat. 1999 , 19, 871-9		220
1456	Dynamic remodeling of the vascular bed precedes tumor growth: MLS ovarian carcinoma spheroids implanted in nude mice. 1999 , 1, 226-30		48
1455	Response of hepatoma 9618a and normal liver to host carbogen and carbon monoxide breathing. 1999 , 1, 537-43		7

1454	A developmental functional MRI study of spatial working memory. 1999 , 10, 327-38	256
1453	A direct comparison between whole-brain PET and BOLD fMRI measurements of single-subject activation response. 1999 , 9, 430-8	33
1452	A comparative fMRI study of cortical representations for thermal painful, vibrotactile, and motor performance tasks. 1999 , 10, 460-82	174
1451	Data Analysis. 1999 , 219-255	2
1450	Functional mapping in the human brain using high magnetic fields. 1999 , 354, 1195-213	129
1449	Detecting Common Signals in Multiple Time Series Using the Spectral Envelope. 1999 , 94, 1341-1356	24
1448	Cortical language activation in stroke patients recovering from aphasia with functional MRI. 1999 , 30, 2331-40	252
1447	Intra-operative optical method using intrinsic signals for localization of sensorimotor area in patients with brain tumor. 1999 , 21, 545-52	2
1446	Cutaneous-evoked tinnitus. I. Phenomenology, psychophysics and functional imaging. 1999 , 4, 247-57	62
1445	Functional MRI-BOLD of visually triggered headache in patients with migraine. 1999 , 56, 548-54	285
1444	Optical topography. 1999 , 3597, 202	3
1443	Determination of cognitive hemispheric lateralization by "functional" transcranial Doppler cross-validated by functional MRI. 1999 , 30, 939-45	50
1442	Cerebrovascular dynamics of autoregulation and hypoperfusion. An MRI study of CBF and changes in total and microvascular cerebral blood volume during hemorrhagic hypotension. 1999 , 30, 2197-204; discussion 2204-5	127
1441	Development and application of noninvasive optical topography. 2000 ,	1
1440	Language hemispheric dominance in patients with congenital lesions of eloquent brain. 2000 , 47, 562-70	49
1439	BOLD effect: new aspects of the hemodynamic response through combination of fMRI and optical recording in the barrel cortex of the gerbil. 2000 ,	
1438	Changes during pentetrazol-induced epilepsy in rat recorded by simultaneous EEG/MRI at 7T. 2000 , 3978, 485	
1437	Activation detection in fMRI data via multiscale singularity detection. 2000 ,	1

1436	An integrated functional magnetic resonance imaging procedure for preoperative mapping of cortical areas associated with tactile, motor, language, and visual functions. 2000 , 47, 711-21; discussion 721-2		187
1435	High-resolution MR venography at 3.0 Tesla. 2000 , 24, 949-57		173
1434	Language Hemispheric Dominance in Patients with Congenital Lesions of Eloquent Brain. 2000 , 47, 562-570		39
1433	An Integrated Functional Magnetic Resonance Imaging Procedure for Preoperative Mapping of Cortical Areas Associated with Tactile, Motor, Language, and Visual Functions. 2000 , 47, 711-722		165
1432	MR-guided and MR-monitored neurosurgical procedures at 1.5 T. 2000 , 24, 909-18		21
1431	Effects of stimulus rate on the auditory cortex using fMRI with 'sparse' temporal sampling. 2000 , 11, 2045-9		29
1430	A p(O ₂)-Responsive MRI Contrast Agent Based on the Redox Switch of Manganese(II / III) δ -Porphyrin Complexes. 2000 , 112, 763-766		20
1429	Lateralized and widespread brain activation during transient blood pressure elevation revealed by magnetic resonance imaging. 2000 , 417, 195-204		118
1428	Strong field behavior of the NMR signal from magnetically heterogeneous tissues. <i>Magnetic Resonance in Medicine</i> , 2000 , 43, 226-36	4.4	62
1427	In vivo MR measurements of regional arterial and venous blood volume fractions in intact rat brain. <i>Magnetic Resonance in Medicine</i> , 2000 , 43, 393-402	4.4	109
1426	Partial-FOV reconstruction in dynamic spiral imaging. <i>Magnetic Resonance in Medicine</i> , 2000 , 43, 429-39	4.4	10
1425	Evaluating the function of hippocampal subregions with high-resolution MRI in Alzheimer's disease and aging. 2000 , 51, 101-8		69
1424	Effect of acute hyperglycemia on visual cortical activation as measured by functional MRI. 2000 , 62, 279-85		19
1423	Laser-polarized (³ He) as a probe for dynamic regional measurements of lung perfusion and ventilation using magnetic resonance imaging. <i>Magnetic Resonance in Medicine</i> , 2000 , 44, 1-4	4.4	45
1422	Spreading waves of transient and prolonged decreases in water diffusion after subarachnoid hemorrhage in rats. <i>Magnetic Resonance in Medicine</i> , 2000 , 44, 110-6	4.4	29
1421	Spatiotemporal dynamics of the BOLD fMRI signals: toward mapping submillimeter cortical columns using the early negative response. <i>Magnetic Resonance in Medicine</i> , 2000 , 44, 231-42	4.4	167
1420	Transit time, trailing time, and cerebral blood flow during brain activation: measurement using multislice, pulsed spin-labeling perfusion imaging. <i>Magnetic Resonance in Medicine</i> , 2000 , 44, 680-5	4.4	102
1419	Acute changes in MRI diffusion, perfusion, T(1), and T(2) in a rat model of oligemia produced by partial occlusion of the middle cerebral artery. <i>Magnetic Resonance in Medicine</i> , 2000 , 44, 706-12	4.4	39

1418	Wavelet transform-based Wiener filtering of event-related fMRI data. <i>Magnetic Resonance in Medicine</i> , 2000 , 44, 746-57	4.4	41
1417	Notes on current safety issues in MRI. 2000 , 13, 109-15		8
1416	Oxymetry by magnetic resonance: applications to animal biology and medicine. 2000 , 36, 241-270		33
1415	Quantitative multi-modal functional MRI with blood oxygenation level dependent exponential decays adjusted for flow attenuated inversion recovery (BOLDED AFFAIR). 2000 , 18, 227-35		26
1414	Mapping of the cerebral response to hypoxia measured using graded asymmetric spin echo EPI. 2000 , 18, 1043-54		19
1413	Compensation of susceptibility-induced signal loss in echo-planar imaging for functional applications. 2000 , 18, 1055-68		58
1412	Simultaneous measurement of human joint force, surface electromyograms, and functional MRI-measured brain activation. 2000 , 101, 49-57		80
1411	Graded reduction of cerebral blood flow in rat as detected by the nuclear magnetic resonance relaxation time T2: a theoretical and experimental approach. 2000 , 20, 316-26		52
1410	Quantitative measurements of cerebral blood oxygen saturation using magnetic resonance imaging. 2000 , 20, 1225-36		179
1409	Effects of hypoglycemia on functional magnetic resonance imaging response to median nerve stimulation in the rat brain. 2000 , 20, 1352-9		12
1408	Brain activation during human finger extension and flexion movements. 2000 , 856, 291-300		62
1407	The neural bases of strategy and skill in sentence-picture verification. 2000 , 40, 261-95		173
1406	Preservation of tumour oxygen after hyperbaric oxygenation monitored by magnetic resonance imaging. 2000 , 82, 88-92		44
1405	Effects of nicotinamide and carbogen on tumour oxygenation, blood flow, energetics and blood glucose levels. 2000 , 82, 2007-14		23
1404	Preclinical MRI experience in imaging angiogenesis. 2000 , 19, 39-43		25
1403	Event-related activation in the human amygdala associates with later memory for individual emotional experience. 2000 , 20, RC99		469
1402	The spectral envelope and its applications. 2000 , 15, 224		30
1401	The Study of Human Disease with Brain Mapping Methods. 2000 , 3-31		

1400	Magnetic resonance studies of brain function and neurochemistry. 2000 , 2, 633-60	78
1399	Assessment and discrimination of odor stimuli in rat olfactory bulb by dynamic functional MRI. 2000 , 97, 10601-6	109
1398	Imaging: window on the brain. 2000 , 57, 1413-21	21
1397	Articulatory/phonetic sequencing at the level of the anterior perisylvian cortex: a functional magnetic resonance imaging (fMRI) study. 2000 , 75, 259-76	86
1396	Structural and functional brain development and its relation to cognitive development. 2000 , 54, 241-57	1053
1395	Cortical language lateralization in right handed normal subjects using functional magnetic resonance imaging. 2000 , 175, 17-27	118
1394	Imaging physiologic dysfunction of individual hippocampal subregions in humans and genetically modified mice. 2000 , 28, 653-64	77
1393	What to expect from MRI in the investigation of the central nervous system?. 2000 , 323, 341-350	5
1392	Correlates of figure-ground segregation in fMRI. 2000 , 40, 2047-56	32
1391	Investigation of the human hippocampal formation using a randomized event-related paradigm and Z-shimmed functional MRI. 2000 , 12, 55-62	58
1390	A CBF-based event-related brain activation paradigm: characterization of impulse-response function and comparison to BOLD. 2000 , 12, 287-97	54
1389	Assessment of hemodynamic response during focal neural activity in human using bolus tracking, arterial spin labeling and BOLD techniques. 2000 , 12, 442-51	42
1388	A Brief History of Human Functional Brain Mapping. 2000 , 33-75	25
1387	Preoperative Brain Mapping. 2000 , 59-76	1
1386	Time Series Analysis and Its Applications. 2000 ,	502
1385	In vivo monitoring of tumor angiogenesis with MR imaging. 2000 , 7, 812-23	104
1384	Wavelets in temporal and spatial processing of biomedical images. 2000 , 2, 511-50	49
1383	Magnetic resonance imaging of brain function and neurochemistry. 2001 , 89, 1093-1106	3

1382	Assessing study-specific regional variations in fMRI signal. 2001 , 13, 392-8	48
1381	Anatomic and functional variability: the effects of filter size in group fMRI data analysis. 2001 , 13, 577-88	126
1380	Template images for nonhuman primate neuroimaging: 1. Baboon. 2001 , 14, 736-43	88
1379	Nonadditive two-way ANOVA for event-related fMRI data analysis. 2001 , 14, 406-16	6
1378	A default mode of brain function. 2001 , 98, 676-82	8932
1377	Oxygen-enhanced magnetic resonance ventilation imaging of lung. 2001 , 37, 164-71	51
1376	Data-driven analysis of hemodynamic response delay in event-related fMRI using wavelet transform.	0
1375	The development of a prototype device for motor-sensory activation studies using functional magnetic resonance imaging.	
1374	Recent developments in real-time MRI techniques and applications.	0
1373	A system for event related fMRI post processing.	
1372	Specified-resolution wavelet analysis of activation patterns from BOLD contrast fMRI. 2001 , 20, 704-14	15
1371	Mapping of motor and sensory activity in the human spinal cord with functional magnetic resonance imaging (fMRI). 2001 ,	
1370	Clinical fMRI. 2001 , 1, A6.0.1	
1369	Neuroimaging correlates of negative priming. 2001 , 12, 3619-24	43
1368	BOLD contrast on a 3 T magnet: detectability of the motor areas. 2001 , 25, 436-45	9
1367	Functional imaging of brain activity in conscious monkeys responding to sexually arousing cues. 2001 , 12, 2231-6	87
1366	Localization of human frontal eye fields: anatomical and functional findings of functional magnetic resonance imaging and intracerebral electrical stimulation. 2001 , 95, 804-15	70
1365	An fMRI study of personality influences on brain reactivity to emotional stimuli. 2001 , 115, 33-42	429

1364	Task-related signal decrease on functional magnetic resonance imaging. 2001 , 41, 479-86; discussion 487	0
1363	Noninvasive brain function measurement system: optical topography. 2001 , 4250, 339	3
1362	Relationship between muscle output and functional MRI-measured brain activation. 2001 , 140, 290-300	226
1361	Relationship between saccadic eye movements and cortical activity as measured by fMRI: quantitative and qualitative aspects. 2001 , 141, 184-94	117
1360	High-resolution blood oxygen-level dependent MR venography (HRBV): a new technique. 2001 , 43, 364-9	79
1359	[High resolution MR-venography of cerebral arteriovenous malformations]. 2001 , 41, 288-95	18
1358	Silent BOLD imaging. 2001 , 13, 76-81	26
1357	Use of spin echo T(2) BOLD in assessment of cerebral misery perfusion at 1.5 T. 2001 , 12, 32-9	28
1356	Event-related functional imaging and episodic memory. 2001 , 25, 545-54	6
1355	Functional MRI of motor and sensory activation in the human spinal cord. 2001 , 19, 27-32	70
1354	The quantification of DeltaR2(*) under brain activation: dependence on relaxation rate at rest and significance threshold. 2001 , 19, 649-57	0
1353	Mapping of brain activation in response to pharmacological agents using fMRI in the rat. 2001 , 19, 905-19	41
1352	Use of spin echo T2 BOLD in assessment of cerebral misery perfusion at 1.5 T. 2001 , 12, 32-39	2
1351	Silent BOLD imaging. 2001 , 13, 76-81	2
1350	Chronological analysis of physiological T2* signal change in the cerebrum during breath holding. 2001 , 13, 344-51	16
1349	BOLD MRI of human tumor oxygenation during carbogen breathing. 2001 , 14, 156-63	160
1348	Imaging brain function in humans at 7 Tesla. <i>Magnetic Resonance in Medicine</i> , 2001 , 45, 588-94	4.4 371
1347	Monitoring blood oxygen state in muscle microcirculation with transverse relaxation. <i>Magnetic Resonance in Medicine</i> , 2001 , 45, 662-72	4.4 21

1346	Separation and quantification of perfusion and BOLD effects by simultaneous acquisition of functional I(0)- and T2(*)-parameter maps. <i>Magnetic Resonance in Medicine</i> , 2001 , 45, 811-6	4.4	29
1345	In vivo BOLD contrast MRI mapping of subcutaneous vascular function and maturation: validation by intravital microscopy. <i>Magnetic Resonance in Medicine</i> , 2001 , 45, 887-98	4.4	97
1344	Measurement of tissue oxygen extraction ratios from venous blood T(2): increased precision and validation of principle. <i>Magnetic Resonance in Medicine</i> , 2001 , 46, 282-91	4.4	100
1343	Comparison of functional MRI image realignment tools using a computer-generated phantom. <i>Magnetic Resonance in Medicine</i> , 2001 , 46, 510-4	4.4	25
1342	The effects of microscopic tissue parameters on the diffusion weighted magnetic resonance imaging experiment. 2001 , 14, 77-93		182
1341	A comparative fMRI study: T2*-weighted imaging versus R2* mapping. 2001 , 14, 41-7		11
1340	Peripheral somatosensory fMRI in mouse at 11.7 T. 2001 , 14, 318-24		45
1339	Improved target volume characterization in stereotactic treatment planning of brain lesions by using high-resolution BOLD MR-venography. 2001 , 14, 478-83		27
1338	Investigation of the initial dip in fMRI at 7 Tesla. 2001 , 14, 408-12		98
1337	High-resolution BOLD venographic imaging: a window into brain function. 2001 , 14, 453-67		202
1336	Measurement of intravascular Na(+) during increased CBF using (23)Na NMR with a shift reagent. 2001 , 14, 448-52		7
1335	Theory of FID NMR signal dephasing induced by mesoscopic magnetic field inhomogeneities in biological systems. 2001 , 151, 107-17		46
1334	Cortical activation during Braille reading is influenced by early visual experience in subjects with severe visual disability: a correlational fMRI study. 2001 , 14, 186-95		40
1333	Detection of the early decrease in fMRI signal in the motor area. <i>Magnetic Resonance in Medicine</i> , 2001 , 45, 184-90	4.4	58
1332	Functional MRI of human auditory cortex using block and event-related designs. <i>Magnetic Resonance in Medicine</i> , 2001 , 45, 254-60	4.4	32
1331	Vessel size imaging. <i>Magnetic Resonance in Medicine</i> , 2001 , 45, 397-408	4.4	282
1330	BOLD contrast fMRI of whole rodent tumour during air or carbogen breathing using echo-planar imaging at 1.5 T. 2001 , 11, 2332-40		28
1329	Further characterisation of a thromboembolic model of stroke in the rat. 2001 , 895, 18-24		24

1328	Differential amygdala activation during emotional decision and recognition memory tasks using unpleasant words: an fMRI study. 2001 , 39, 556-73	147
1327	Magnetic resonance imaging for in vivo assessment of tissue oxygen concentration. 2001 , 11, 58-69	47
1326	Auditory functional MR imaging. 2001 , 176, 1009-15	31
1325	Analysis of the instantaneous phase signal of a fMRI time series via the Hilbert transform. 2001 ,	1
1324	IMAGE ANALYSIS OF FUNCTIONAL MAGNETIC RESONANCE IMAGING. 2001 , 13, 248-255	3
1323	Interconnected large-scale systems for three fundamental cognitive tasks revealed by functional MRI. 2001 , 13, 389-405	69
1322	The neurobiological basis of reading. 2001 , 34, 566-79	48
1321	Diffusion-tensor MR imaging at 1.5 and 3.0 T: initial observations. 2001 , 221, 550-6	133
1320	Practical aspects of functional MRI (NMR Task Group #8). 2002 , 29, 1892-912	19
1319	Processing of Urinary Pheromones in <i>Antechinus Stuartii</i> (Marsupialia: Dasyuridae): Functional Magnetic Resonance Imaging of the Brain. 2002 , 83, 71-80	4
1318	Detection of deoxygenation-related signal change in acute ischemic stroke patients by T2*-weighted magnetic resonance imaging. 2002 , 33, 967-71	62
1317	[Functional magnetic resonance imaging: Physiological background, technical aspects and prerequisites for clinical use]. 2002 , 174, 43-9	20
1316	Removal of local field gradient artefacts in BOLD contrast imaging of head and neck tumours. 2002 , 47, 1819-25	4
1315	Speculations about the Future. 2002 , 829-856	
1314	Biophysical basis of brain activity: implications for neuroimaging. 2002 , 35, 287-325	64
1313	Functional MRI in human motor control studies and clinical applications. 2002 , 1, 109-20	27
1312	Brain responses associated with the Valsalva maneuver revealed by functional magnetic resonance imaging. 2002 , 88, 3477-86	93
1311	Neuroanatomical Micromagnetic Resonance Imaging. 2002 , 399-426	3

1310	Diffusion imaging in multiple sclerosis. 2002 , 12, 71-106	32
1309	Role of neuroimaging in the management of seizure disorders. 2002 , 77, 1251-64	39
1308	The neural basis of the blood-oxygen-level-dependent functional magnetic resonance imaging signal. 2002 , 357, 1003-37	642
1307	Mapping cortical columnar structures using fMRI. 2002 , 77, 641-4	38
1306	Compensation of susceptibility-induced BOLD sensitivity losses in echo-planar fMRI imaging. 2002 , 15, 120-35	221
1305	An fMRI study of bilingual sentence comprehension and workload. 2002 , 15, 647-60	184
1304	Rapid simultaneous mapping of T2 and T2* by multiple acquisition of spin and gradient echoes using interleaved echo planar imaging (MASAGE-IEPI). 2002 , 15, 992-1002	13
1303	An investigation of functional and anatomical connectivity using magnetic resonance imaging. 2002 , 16, 241-50	372
1302	Cortical systems associated with covert music rehearsal. 2002 , 16, 901-8	74
1301	Cluster Significance Testing Using the Bootstrap. 2002 , 17, 583-591	18
1300	Mapping of neuronal function in the healthy and injured human spinal cord with spinal fMRI. 2002 , 17, 1854-60	78
1299	Visualization of auditory habituation by fMRI. 2002 , 17, 1705-10	25
1298	Cortical and subcortical activation with monaural monosyllabic stimulation by functional MRI. 2002 , 163, 37-45	43
1297	Spatial specificity of CBF and BOLD responses induced by neural activity. 2002 , 1235, 39-47	
1296	MR microscopy and high resolution small animal MRI: applications in neuroscience research. 2002 , 67, 393-420	172
1295	Functional MRI-BOLD of brainstem structures during visually triggered migraine. 2002 , 59, 72-8	171
1294	Myths and truths in functional MRI: a basic guide for practitioners. 2002 , 1, 89-107	7
1293	Functional Mapping in the Cat Primary Visual Cortex Using High Magnetic Fields. 2002 , 195-220	

1292	Neural responses to intravenous serotonin revealed by functional magnetic resonance imaging. 2002 , 92, 331-42		10
1291	High-Field Magnetic Resonance. 2002 , 291-313		2
1290	Functional MRI. 2002 , 315-349		10
1289	Nuclear Magnetic Resonance. 2002 , 64-85		
1288	Imaging Functional Activity. 2002 , 104-120		
1287	The Nature of the Blood Oxygenation Level Dependent Effect. 2002 , 390-416		1
1286	New methods in fMRI analysis. Hierarchical cluster analysis for improved signal-to-noise ratio compared to standard techniques. 2002 , 21, 134-42		9
1285	Spatio-temporal dynamics of brain activated regions during drinking behavior in rats. 2002 , 951, 270-9		29
1284	The role of lateral premotor-cerebellar-parietal circuits in motor sequence control: a parametric fMRI study. 2002 , 13, 159-68		89
1283	Imaging hippocampal function across the human life span: is memory decline normal or not?. 2002 , 51, 290-5		160
1282	fMRI of the auditory cortex in patients with unilateral carotid artery steno-occlusive disease. 2002 , 15, 621-7		16
1281	In vivo animal functional MRI: improved image quality with a body-adapted mold. 2002 , 16, 224-7		12
1280	Differential fMRI-BOLD signal response to apnea in humans and anesthetized rats. <i>Magnetic Resonance in Medicine</i> , 2002 , 47, 864-70	4.4	26
1279	A model of blood-brain barrier permeability to water: accounting for blood inflow and longitudinal relaxation effects. <i>Magnetic Resonance in Medicine</i> , 2002 , 47, 1100-9	4.4	22
1278	Simultaneous perfusion and BOLD imaging using reverse spiral scanning at 3T: characterization of functional contrast and susceptibility artifacts. <i>Magnetic Resonance in Medicine</i> , 2002 , 48, 278-89	4.4	66
1277	Changes in CBF-BOLD coupling detected by MRI during and after repeated transient hypercapnia in rat. <i>Magnetic Resonance in Medicine</i> , 2002 , 48, 262-70	4.4	12
1276	How does blood oxygen level-dependent (BOLD) contrast correlate with oxygen partial pressure (pO ₂) inside tumors?. <i>Magnetic Resonance in Medicine</i> , 2002 , 48, 980-6	4.4	196
1275	Effects of restricted diffusion on MR signal formation. 2002 , 157, 92-105		73

1274	Spectrally inhomogeneous BOLD contrast changes detected in rodent tumors with high spectral and spatial resolution MRI. 2002 , 15, 28-36	39
1273	Combined diffusion weighting and CSF suppression in functional MRI. 2002 , 15, 235-40	13
1272	Functional and molecular MR imaging of angiogenesis: seeing the target, seeing it work. 2002 , 39, 11-7	35
1271	Functional magnetic resonance imaging evidence for binocular interactions in human visual cortex. 2002 , 145, 334-9	24
1270	Functional MRI in Epilepsy. 2002 , 43, 51-63	34
1269	Memory lateralization in medial temporal lobe epilepsy assessed by functional MRI. 2002 , 43, 855-63	178
1268	Preface to the Special Section of the Journal of Neuroscience Methods on Functional Magnetic Resonance Imaging Methods. 2002 , 118, 101-102	
1267	Effects of breathing a hyperoxic hypercapnic gas mixture on blood oxygenation and vascularity of head-and-neck tumors as measured by magnetic resonance imaging. 2002 , 53, 1185-91	104
1266	Small animal neuroimaging using magnetic resonance microscopy. 2002 , 40, 275-306	16
1265	Effect of carbogen on tumor oxygenation: combined fluorine-19 and proton MRI measurements. 2002 , 54, 1202-9	63
1264	Functional magnetic resonance imaging: basic principles of and application to developmental science. 2002 , 5, 301-309	37
1263	Applications of ERP and fMRI techniques to developmental science. 2002 , 5, 335-343	21
1262	Effect of breathing a hyperoxic hypercapnic gas mixture on the oxygenation of meningiomas; preliminary results. 2002 , 57, 127-32	8
1261	Temporal Dynamics of Brain Activity in Human Memory Processes. 2002 , 6, 323-334	1
1260	Neural substrates underlying impulsivity. 2003 , 1008, 160-9	50
1259	Imaging Alzheimer's disease. 2003 , 3, 385-92	7
1258	An fMRI study of affective state and medication on cortical and subcortical brain regions during motor performance in bipolar disorder. 2003 , 123, 171-82	104
1257	High-field magnetic resonance techniques for brain research. 2003 , 13, 612-9	29

1256	Tumor vascular architecture and function evaluated by non-invasive susceptibility MRI methods and immunohistochemistry. 2003 , 17, 445-54		124
1255	Regional dynamics of the fMRI-BOLD signal response to hypoxia-hypercapnia in the rat brain. 2003 , 17, 641-7		19
1254	Functional magnetic resonance imaging: a review of methodological aspects and clinical applications. 2003 , 18, 1-15		75
1253	Enhanced gray and white matter contrast of phase susceptibility-weighted images in ultra-high-field magnetic resonance imaging. 2003 , 18, 284-90		127
1252	High field human imaging. 2003 , 18, 519-29		152
1251	Imaging the developing brain with fMRI. 2003 , 9, 161-7		54
1250	Functional brain imaging using a blood oxygenation sensitive steady state. <i>Magnetic Resonance in Medicine</i> , 2003 , 50, 675-83	4-4	73
1249	Investigation of the microstructure of the isolated rat heart: a comparison between T*2- and diffusion-weighted MRI. <i>Magnetic Resonance in Medicine</i> , 2003 , 50, 1144-50	4-4	17
1248	Baseline physiological state and the fMRI-BOLD signal response to apnea in anesthetized rats. 2003 , 16, 261-8		13
1247	Influence of baseline hematocrit on between-subject BOLD signal change using gradient echo and asymmetric spin echo EPI. 2003 , 21, 599-607		26
1246	PACS-based functional magnetic resonance imaging. 2003 , 27, 229-40		4
1245	Functional imaging and language: A critical guide to methodology and analysis. 2003 , 41, 7-21		13
1244	Corticothalamic modulation during absence seizures in rats: a functional MRI assessment. 2003 , 44, 1133-40		85
1243	Stroke, dementia, and drug delivery. 2004 , 57, 15-26		8
1242	Estimation of cerebral perfusion reserve by blood oxygenation level-dependent imaging: comparison with single-photon emission computed tomography. 2003 , 23, 121-35		36
1241	Practical consideration for 3T imaging. 2003 , 11, 615-39, vi		42
1240	Functional imaging of the visual pathways. 2003 , 21, 417-43, vi		25
1239	The spatial extent of the BOLD response. 2003 , 19, 132-44		62

1238	Optimized EPI for fMRI studies of the orbitofrontal cortex. 2003 , 19, 430-41	659
1237	Simultaneous electroencephalographic recording and functional magnetic resonance imaging during pentylenetetrazol-induced seizures in rat. 2003 , 19, 627-36	41
1236	Inferior central sulcus: variations of anatomy and function on the example of the motor tongue area. 2003 , 20, 601-10	53
1235	The influence of extra- and intracranial artery disease on the BOLD signal in FMRI. 2003 , 20, 1393-9	101
1234	The evaluation of preprocessing choices in single-subject BOLD fMRI using NPAIRS performance metrics. 2003 , 18, 10-27	88
1233	Quantitative mapping of cerebral deoxyhemoglobin content using MR imaging. 2003 , 20, 2071-83	32
1232	Assessing brain development using neurophysiologic and behavioral measures. 2003 , 143, S46-53	18
1231	In vivo MR tractography using diffusion imaging. 2003 , 45, 223-34	177
1230	High-resolution functional magnetic resonance imaging of the animal brain. 2003 , 30, 28-41	47
1229	Presurgical assessment of memory-related brain structures: the Wada test and functional neuroimaging. 2003 , 12, 346-58	23
1228	Cerebral metabolism and consciousness. 2003 , 326, 253-73	42
1227	In vivo NMR studies of the glutamate neurotransmitter flux and neuroenergetics: implications for brain function. 2003 , 65, 401-27	269
1226	T2: The Transverse Relaxation Time. 143-201	13
1225	Use of functional Magnetic Resonance Imaging in the treatment planning of Intensity Modulated Radiotherapy. 2003 , 3, 55-62	2
1224	Characterization of the CNS effects of naftidrofuryl (Praxil®) by quantitative EEG and functional MRI: a study in healthy elderly subjects. 2003 , 48, 160-8	
1223	fMRI evidence for cortical modification during learning of Mandarin lexical tone. 2003 , 15, 1019-27	150
1222	Neuroenergetic basis of functional MRI: implications for efficiency of brain work.	
1221	Structural, functional, and molecular MR imaging of the microvasculature. 2003 , 5, 29-56	60

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1219	Correlation between near-infrared spectroscopy and magnetic resonance imaging of rat brain oxygenation modulation. 2003 , 48, 417-27	31
1218	BOLD magnetic resonance imaging of skeletal muscle. 2003 , 7, 307-15	82
1217	Dietary caffeine consumption and withdrawal: confounding variables in quantitative cerebral perfusion studies?. 2003 , 227, 129-35	96
1216	Magnetic resonance: new approaches to imaging of the musculoskeletal system. 2003 , 24, R1-23	20
1215	Experiment result and the evaluation in block paradigm and single paradigm.	
1214	Measuring correlates of brain metabolism with high-resolution MRI: a promising approach for diagnosing Alzheimer disease and mapping its course. 2003 , 17, 154-61	18
1213	Functional Study of the Brain with MRI: Hints and Tips. 2003 , 16, 170-173	
1212	How to Do Better FMRI?. 2003 , 16, 192-195	
1211	Clinical oxygen-enhanced magnetic resonance imaging of the lung. 2003 , 14, 237-43	24
1210	. 2003 , 38, 377-384	6
1209	Clinical experience on 3.0 T systems in Niigata, 1996 to 2002. 2003 , 38, 377-84	17
1208	fMRI responses to cold pressor challenges in control and obstructive sleep apnea subjects. 2003 , 94, 1583-95	112
1207	Perfusion-weighted MRI in stroke. 2003 , 147-160	4
1206	Functional brain imaging and human brain function. 2003 , 23, 3959-62	88
1205	Epilepsy: Surgical Treatment. 2003 , 46, 298	
1204	The underpinnings of the BOLD functional magnetic resonance imaging signal. 2003 , 23, 3963-71	733
1203	[Effect of BOLD on sight stimulation and artifact of CSF: identification of activating signal and CSF artifact]. 2004 , 60, 415-22	0

1202	. 2004 ,	15
1201	Biomagnetic Imaging: Principles of Magnetic Resonance Imaging and Emerging Techniques in Progress. 2004 , 79-105	1
1200	Molecular and functional imaging of cancer: advances in MRI and MRS. 2004 , 386, 3-60	53
1199	MEG localization of language-specific cortex utilizing MR-FOCUSS. 2004 , 62, 2247-55	63
1198	Lateralisation of language function in young adults born very preterm. 2004 , 89, F112-8	27
1197	Simultaneous electrophysiology and functional magnetic resonance imaging studies in conscious rats. 2004 , 385, 63-84	1
1196	Influence of isoflurane concentration and hypoxia on functional magnetic resonance imaging for the detection of bicuculline-induced neuronal activation. 2004 , 13, 144-9	18
1195	Neuroimaging with calibrated fMRI. 2004 , 35, 2635-41	49
1194	A functional magnetic resonance imaging study of cortical asymmetry in bipolar disorder. 2004 , 6, 183-96	66
1193	fMRI of generalized absence status epilepticus in conscious marmoset monkeys reveals corticothalamic activation. 2004 , 45, 1240-7	49
1192	fMRI of brain activation in a genetic rat model of absence seizures. 2004 , 45, 576-82	83
1191	Changing patterns of brain activation during category learning revealed by functional MRI. 2004 , 22, 84-93	29
1190	Effect of anesthesia on CBF, MAP and fMRI-BOLD signal in response to apnea. 2004 , 1011, 141-7	16
1189	Perfusion-weighted magnetic resonance imaging of the brain: techniques and application in children. 2004 , 14, 59-72	57
1188	Interpreting the BOLD signal. 2004 , 66, 735-69	1163
1187	The C-neu mammary carcinoma in Oncomice; characterization and monitoring response to treatment with herceptin by magnetic resonance methods. 2004 , 17, 260-70	9
1186	On the role of anesthesia on the body/brain temperature differential in rats. 2004 , 29, 599-603	28
1185	Optimized distortion correction of epi-based statistical parametrical maps for stereotactic neurosurgery. 2004 , 22, 163-70	7

1184	BOLD MRI response to hypercapnic hyperoxia in patients with meningiomas: correlation with Gadolinium-DTPA uptake rate. 2004 , 22, 761-7		35
1183	Issues about the fMRI of the human spinal cord. 2004 , 22, 1505-16		61
1182	Anatomical constraints on visualization of the human hippocampus using echo-planar imaging. 2004 , 46, 535-40		4
1181	Functional coupling of simultaneous electrical and metabolic activity in the human brain. 2004 , 21, 257-70		173
1180	Limits of 8-Tesla magnetic resonance imaging spatial resolution of the deoxygenated cerebral microvasculature. 2004 , 19, 303-7		20
1179	Susceptibility weighted imaging (SWI). <i>Magnetic Resonance in Medicine</i> , 2004 , 52, 612-8	4.4	1246
1178	Simultaneous MRI acquisition of blood volume, blood flow, and blood oxygenation information during brain activation. <i>Magnetic Resonance in Medicine</i> , 2004 , 52, 1407-17	4.4	62
1177	Editorial. <i>Magnetic Resonance in Medicine</i> , 2004 , 52, 1221-1222	4.4	0
1176	Assessment of tumor oxygenation by electron paramagnetic resonance: principles and applications. 2004 , 17, 240-62		187
1175	Manganese-enhanced magnetic resonance imaging (MEMRI) of brain activity and applications to early detection of brain ischemia. 2004 , 17, 569-80		88
1174	The effect of sensorimotor activation on functional connectivity mapping with MRI. 2004 , 22, 1069-75		29
1173	Fast spectroscopic imaging strategies for potential applications in fMRI. 2004 , 22, 1395-405		8
1172	On the nature of the BOLD fMRI contrast mechanism. 2004 , 22, 1517-31		289
1171	Functional MRI activation signal detection using the periodicity transform.		3
1170	A phase based method for investigating the functional connectivity in the fMRI data.		2
1169	[Advances in the study of primary auditory cortex. Demonstration of its activation by functional magnetic resonance imaging]. 2004 , 55, 247-51		2
1168	Spatial working memory among middle-aged and older patients with schizophrenia and volunteers using fMRI. 2004 , 68, 203-16		65
1167	Advances in high-field magnetic resonance imaging. 2004 , 6, 157-84		87

1166	Developmental cognitive neuroscience: progress and potential. 2004 , 8, 122-8	81
1165	Quantitative T1 mapping and absolute water content measurement using MRI. 2004 , 1265, 113-123	8
1164	Cortical layer-dependent CBF changes induced by neural activity. 2004 , 1265, 201-210	
1163	fMRI of severe to profoundly hearing-impaired infants and toddlers under sedation. 2004 , 1273, 383-386	1
1162	Resting functional MRI with temporal clustering analysis for localization of epileptic activity without EEG. 2004 , 21, 473-81	52
1161	An integrative MEG-fMRI study of the primary somatosensory cortex using cross-modal correspondence analysis. 2004 , 22, 120-33	44
1160	Imaging localised dynamic changes in the nucleus accumbens following nicotine withdrawal in rats. 2004 , 22, 847-54	28
1159	Current concepts and advances in clinical parallel magnetic resonance imaging. 2004 , 15, 129-58	62
1158	Preoperative blood oxygen level-dependent functional magnetic resonance imaging in patients with primary brain tumors: clinical application and outcome. 2004 , 54, 902-14; discussion 914-5	150
1157	Preoperative mapping of cortical motor function: prospective comparison of functional magnetic resonance imaging and [15O]-H2O-positron emission tomography in the same co-ordinate system. 2004 , 25, 987-97	17
1156	Hypothetical high-level cognitive functions cannot be localized in the brain: another argument for a revitalized behaviorism. 2004 , 27, 1-6	10
1155	Functional MR imaging: from the BOLD effect to higher motor cognition. 2004 , 57, 458-68	2
1154	Functional Brain Mapping Options for Minimally Invasive Neurosurgery. 2005 , 87-112	
1153	CENTRAL NEURAL MECHANISMS UNDERLYING DISORDERED BREATHING AND CARDIOVASCULAR CONTROL DURING SLEEP. 2005 , 371-386	
1152	An fMRI study to investigate auditory attention: a model of the cocktail party phenomenon. 2005 , 4, 75-82	34
1151	Generalized mutual information tests applied to fMRI analysis. 2005 , 352, 629-644	11
1150	BOLD-fMRI of PTZ-induced seizures in rats. 2005 , 66, 75-90	32
1149	Combining functional and diffusion tensor MRI. 2005 , 1064, 1-15	19

1148	Neurological recovery after decompressive craniectomy for massive ischemic stroke. 2005 , 3, 216-23		21
1147	Changes in cerebral functional organization during cognitive development. 2005 , 15, 239-44		344
1146	Physical interactions of static magnetic fields with living tissues. 2005 , 87, 185-204		163
1145	Future directions for pain research in oral and maxillofacial surgery: findings of the 2005 AAOMS Research Summit. 2005 , 63, 1410-7		5
1144	Functional magnetic resonance imaging of real and sham acupuncture. Noninvasively measuring cortical activation from acupuncture. 2005 , 24, 35-40		24
1143	Automated correction of spin-history related motion artefacts in fMRI: simulated and phantom data. 2005 , 52, 1450-60		30
1142	Echo train shifted multi-echo FLASH for functional MRI of the human brain at ultra-high spatial resolution. 2005 , 18, 481-8		9
1141	Small tip angle three-dimensional tailored radiofrequency slab-select pulse for reduced B1 inhomogeneity at 3 T. <i>Magnetic Resonance in Medicine</i> , 2005 , 53, 479-84	4.4	77
1140	Visualization of cortical spreading depression using manganese-enhanced magnetic resonance imaging. <i>Magnetic Resonance in Medicine</i> , 2005 , 53, 851-7	4.4	24
1139	T1rho contrast in functional magnetic resonance imaging. <i>Magnetic Resonance in Medicine</i> , 2005 , 54, 1155-62	4.4	26
1138	Effect of Thunbergia laurifolia, a Thai natural product used to treat drug addiction, on cerebral activity detected by functional magnetic resonance imaging in the rat. 2005 , 180, 752-60		15
1137	Recent progress in medical imaging technology. 2005 , 36, 1-17		1
1136	Deriving Changes in CMRO2 from Calibrated fMRI. 2005 , 147-171		4
1135	Neurobiological Techniques: Overview of Terms, Procedures, and Technologies. 2005 , 3-28		1
1134	The astrocyte--neuron lactate shuttle: a debated but still valuable hypothesis for brain imaging. 2005 , 25, 1394-9		23
1133	Functional 3.0-T MR assessment of higher cognitive function: are there advantages over 1.5-T imaging?. 2005 , 234, 860-8		31
1132	Functional Brain Imaging of Cerebrovascular Disease. 2005 , 181-209		
1131	Visual and tactile guidance of dexterous manipulation tasks: an fMRI study. 2005 , 101, 317-34		17

1130	The effect of Ting point (tendinomuscular meridians) electroacupuncture on thermal pain: a model for studying the neuronal mechanism of acupuncture analgesia. 2005 , 11, 653-61	33
1129	Functional neuroimaging during altered states of consciousness: how and what do we measure?. 2005 , 150, 25-43	10
1128	Vascular Dementia. 2005 ,	2
1127	BOLD indirect vs. ASL direct measurement of muscle perfusion. 2005 , 99, 376-7; author reply 377	2
1126	Magnetic resonance imaging of neuronal function in the spinal cord: spinal fMRI. 2005 , 3, 146-56	79
1125	[Positive contrast in the detection of magnetically labeled cells by MRI--in vitro experiments]. 2005 , 50, 271-6	4
1124	MEG recording from the human ventro-occipital cortex in response to isoluminant color stimulation. 2005 , 22, 283-93	6
1123	Dissociating age-related changes in cognitive strategy and neural efficiency using event-related fMRI. 2005 , 41, 582-94	101
1122	Confounding effects of anesthesia on functional activation in rodent brain: a study of halothane and alpha-chloralose anesthesia. 2005 , 24, 92-100	115
1121	An fMRI study of the role of suprapontine brain structures in the voluntary voiding control induced by pelvic floor contraction. 2005 , 24, 174-80	111
1120	Signal and noise characteristics of Hahn SE and GE BOLD fMRI at 7 T in humans. 2005 , 24, 738-50	153
1119	The effect of small rotations on R2* measured with echo planar imaging. 2005 , 24, 1164-9	10
1118	Positive or negative blips? The effect of phase encoding scheme on susceptibility-induced signal losses in EPI. 2005 , 25, 112-21	49
1117	Spatial specificity of cerebral blood volume-weighted fMRI responses at columnar resolution. 2005 , 27, 416-24	90
1116	Molecular Imaging of Cancer: Applications of Magnetic Resonance Methods. 2005 , 93, 784-799	16
1115	The cutting edge of fMRI and high-field fMRI. 2005 , 66, 147-66	2
1114	A sparse Bayesian method for determination of flexible design matrix for fMRI data analysis. 2005 , 52, 2699-2706	18
1113	Diffusion-Weighted, Perfusion-Weighted, and Functional MR Imaging. 2005 , 1073-1114	1

1112	The galenic venous system: surgical anatomy and its angiographic and magnetic resonance venographic correlations. 2005 , 56, 212-9	25
1111	Imaging the developing brain: what have we learned about cognitive development?. 2005 , 9, 104-10	1036
1110	Functional MRI using molecular imaging agents. 2005 , 28, 120-6	41
1109	Foundations of advanced magnetic resonance imaging. 2005 , 2, 167-96	67
1108	Functional abnormalities in brain areas that mediate autonomic nervous system control in advanced heart failure. 2005 , 11, 437-46	56
1107	Atlas of Morphology and Functional Anatomy of the Brain. 2006 ,	5
1106	Acute Ischemic Stroke. 2006 ,	18
1105	Functional magnetic resonance imaging shows cortical activation on sensory stimulation of an osseointegrated prosthetic thumb. 2006 , 40, 234-9	25
1104	Ultra High Field Magnetic Resonance Imaging. 2006 ,	32
1103	NARX Neural Networks for Dynamical Modelling of fMRI Data. 2006 ,	
1102	Proton-density-weighted spinal fMRI with sensorimotor stimulation at 0.2 T. 2006 , 29, 995-9	26
1101	Noninvasive quantification of cerebral blood volume in humans during functional activation. 2006 , 30, 377-87	36
1100	Investigating direct detection of axon firing in the adult human optic nerve using MRI. 2006 , 30, 835-46	26
1099	Cortical layer-dependent BOLD and CBV responses measured by spin-echo and gradient-echo fMRI: insights into hemodynamic regulation. 2006 , 30, 1149-60	215
1098	A method to produce evolving functional connectivity maps during the course of an fMRI experiment using wavelet-based time-varying Granger causality. 2006 , 31, 187-96	115
1097	In vivo micro-MRI of intracortical neurovasculature. 2006 , 32, 62-9	44
1096	The neural basis of the hemodynamic response nonlinearity in human primary visual cortex: Implications for neurovascular coupling mechanism. 2006 , 32, 616-25	66
1095	Variability of the BOLD response over time: an examination of within-session differences. 2006 , 32, 1185-94	22

1094	Functional Organization of the Human Gustatory Cortex. 2006 , 48, 244-260	8
1093	Cortical Activation While Watching Video Montage: An fMRI Study. 2006 , 8, 7-24	59
1092	Nocifensive reactions during propofol-induced loss of consciousness are not based on the development of central hyperalgesia—a functional imaging study in humans. 2006 , 8, 99-108	
1091	Study design in fMRI: basic principles. 2006 , 60, 220-32	314
1090	Activation of insular cortex and subcortical regions related to feedback stimuli in a time estimation task: an fMRI study. 2006 , 399, 39-44	29
1089	Inspiratory loading elicits aberrant fMRI signal changes in obstructive sleep apnea. 2006 , 151, 44-60	71
1088	Developing functional magnetic resonance imaging techniques for alert macaque monkeys. 2006 , 38, 210-20	19
1087	Imaging Approaches in Small Animal Models. 2006 , 583-600	2
1086	Intervention models in functional connectivity identification applied to FMRI. 2006 , 2006, 27483	6
1085	Brain Function, Magnetic Resonance Imaging of. 2006 ,	1
1084	Magnetic Resonance Imaging. 2006 ,	
1083	Physiology of functional magnetic resonance imaging: energetics and function. 2006 , 124, 175-95	24
1082	Neural sites involved in the sustained increase in muscle sympathetic nerve activity induced by inspiratory capacity apnea: a fMRI study. 2006 , 100, 266-73	66
1081	Apports des nouvelles techniques d'imagerie au diagnostic des tumeurs cérébrales sus-tentorielles de l'adulte. 2006 , 1, 1-22	1
1080	Activation of cortical and subcortical auditory structures at 3 T by means of a functional magnetic resonance imaging paradigm suitable for clinical use. 2006 , 41, 87-96	33
1079	NARX Neural Networks for Dynamical Modelling of fMRI Data.	
1078	Imaging the female pelvis at 3.0 T. 2006 , 17, 427-43	7
1077	[Response by visual stimulation with the BOLD effect and motion artifact: identification of the activating signal and motion artifact]. 2006 , 62, 417-24	

1076	Functional magnetic resonance imaging in conscious animals: a new tool in behavioural neuroscience research. 2006 , 18, 307-18	51
1075	The spatial dependence of the poststimulus undershoot as revealed by high-resolution BOLD- and CBV-weighted fMRI. 2006 , 26, 634-44	84
1074	The role of voxel aspect ratio in determining apparent vascular phase behavior in susceptibility weighted imaging. 2006 , 24, 155-60	76
1073	BOLD signal and vessel dynamics: a hierarchical cluster analysis. 2006 , 24, 411-8	1
1072	Effects of hypoglycemia on human brain activation measured with fMRI. 2006 , 24, 693-7	31
1071	Large-amplitude, spatially correlated fluctuations in BOLD fMRI signals during extended rest and early sleep stages. 2006 , 24, 979-92	272
1070	Advances in methods for assessing tumor hypoxia in vivo: implications for treatment planning. 2006 , 25, 469-80	29
1069	The impact of restricted diet on brain function using BOLD-fMRI. 2006 , 173, 318-21	10
1068	The application of NMR in tumor angiogenesis research. 2006 , 49, 27-44	12
1067	Dynamic monitoring of brain activation under visual stimulation using fMRI--the advantage of real-time fMRI with sliding window GLM analysis. 2006 , 157, 158-67	22
1066	Striatopallidal regulation of affect in bipolar disorder. 2006 , 91, 235-42	34
1065	Hemodynamic response changes in cerebral infarction: Implications for fMRI data analysis. 2006 , 99, 210-211	
1064	Characterization of cerebral tissue by MRI map ISODATA in embolic stroke in rat. 2006 , 1084, 202-9	6
1063	Brain imaging tools in neurosciences. 2006 , 99, 281-92	41
1062	Planning and problem solving: from neuropsychology to functional neuroimaging. 2006 , 99, 308-17	123
1061	Quantitative study of changes in oxidative metabolism during visual stimulation using absolute relaxation rates. 2006 , 19, 60-8	19
1060	Endogenous functional CBV contrast revealed by diffusion weighting. 2006 , 19, 1020-7	12
1059	The use of ¹ H NMR microscopy to study proton-exchange membrane fuel cells. 2006 , 7, 67-75	66

1058	Determining hierarchical functional networks from auditory stimuli fMRI. 2006 , 27, 462-70	22
1057	Performing functional magnetic resonance imaging in patients with Parkinson's disease treated with deep brain stimulation. 2006 , 21, 1154-62	48
1056	Fast-kz three-dimensional tailored radiofrequency pulse for reduced B1 inhomogeneity. <i>Magnetic Resonance in Medicine</i> , 2006 , 55, 719-24	4.4 142
1055	Complex relationship between changes in oxygenation status and changes in R*2: the case of insulin and NS-398, two inhibitors of oxygen consumption. <i>Magnetic Resonance in Medicine</i> , 2006 , 56, 637-43	4.4 16
1054	Bayesian inference of hemodynamic changes in functional arterial spin labeling data. <i>Magnetic Resonance in Medicine</i> , 2006 , 56, 891-906	4.4 34
1053	Repeatability of functional MRI for conformal avoidance radiotherapy planning. 2006 , 23, 108-14	11
1052	fMRI studies of sensitivity and habituation effects within the auditory cortex at 1.5 T and 3 T. 2006 , 23, 454-8	8
1051	Magnetic resonance imaging of tissue and vascular layers in the cat retina. 2006 , 23, 465-72	44
1050	The clinical potential of functional magnetic resonance imaging. 2006 , 23, 787-93	43
1049	Principles of magnetic resonance assessment of brain function. 2006 , 23, 794-807	138
1048	Vasomodulation of skeletal muscle BOLD signal. 2006 , 24, 886-90	28
1047	Nuclear Magnetic Resonance Imaging and Spectroscopy. 1-56	1
1046	Wavelet Transform Based Accurate Estimation of Hemodynamic Response Function in functional MR images. 2006 ,	
1045	Exploring nociceptive response by BOLD fMRI in alpha-chloralose anesthetized rats. 2006 , 2006, 33-6	2
1044	Imaging the earliest stages of Alzheimer's disease. 2006 , 3, 529-39	19
1043	Simple ac circuit for breast cancer detection and object detection. 2006 , 77, 064301	9
1042	Quantitative perfusion imaging using arterial spin labeling. 2006 , 124, 151-73	16
1041	Rapid calculations of susceptibility-induced magnetostatic field perturbations for in vivo magnetic resonance. 2006 , 51, 6381-402	93

1040	Time Series Analysis and Its Applications. 2006,	4
1039	Functional Atlas. 2006, 107-128	
1038	Imaging valuation models in human choice. 2006, 29, 417-48	292
1037	The triphasic intrinsic signal: implications for functional imaging. 2007, 27, 4572-86	77
1036	Spatially resolved biologic information from in vivo EPRI, OMRI, and MRI. 2007, 9, 1125-41	49
1035	Reproducibility of activations in Broca area with two language tasks: a functional MR imaging study. 2007, 28, 1346-53	28
1034	Cortical sensory and motor response in a patient whose hand has been replanted: one-year follow up with functional magnetic resonance imaging. 2007, 41, 70-6	17
1033	Resting state brain activity and functional brain mapping. 2007, 17, 511-519	1
1032	DYNAMIC MAPPING OF AMPHETAMINE RESPONSE IN THE RAT BRAIN USING BOLD AND IRON TECHNIQUES. 2007, 19, 157-163	1
1031	Multimodal Imaging in Neurology: Special Focus on MRI Applications and MEG. 2007, 2, 1-75	2
1030	Comparing The Spatial and Temporal Reproducibility of Brain Activation Using Three fMRI Techniques: BOLD, FAIR, and VASO. 2007,	
1029	Functional Magnetic Resonance Imaging. 2007, 839-848	
1028	Statistical Separability of the World and Consistency Between Quantum Theory, Relativity, and Causality. 2007, 47, 826-828	
1027	Lie symmetry analysis and reduction of a new integrable coupled KdV system. 2007, 16, 303-309	12
1026	Functional MRI at High Fields: Practice and Utility. 2007,	1
1025	Functional MRI: Theory and Practice. 2007,	
1024	Diffusion and Perfusion in MRI. 2007,	
1023	Visual field maps in human cortex. 2007, 56, 366-83	788

1022	Basics concepts and clinical applications of oxygen-enhanced MR imaging. 2007 , 64, 320-8	49
1021	Neuromagnetic correlates of the fMRI BOLD response. 2007 , 1300, 325-328	3
1020	MR-Encephalography: Fast multi-channel monitoring of brain physiology with magnetic resonance. 2007 , 34, 212-9	69
1019	Does the brain have a baseline? Why we should be resisting a rest. 2007 , 37, 1073-1082	280
1018	Small animal, whole brain fMRI: innocuous and nociceptive forepaw stimulation. 2007 , 35, 719-28	57
1017	Hemodynamic response function in patients with stroke-induced aphasia: implications for fMRI data analysis. 2007 , 36, 322-31	118
1016	Age-related differences in activation-performance relations in delayed-response tasks: a multiple component analysis. 2007 , 43, 65-76	61
1015	4.5 Coupling of Brain Function to Metabolism: Evaluation of Energy Requirements. 2007 , 343-400	11
1014	How to Improve the Results of Peripheral Nerve Surgery. 2007 ,	6
1013	Measuring oxygenation in vivo with MRS/MRI--from gas exchange to the cell. 2007 , 9, 1157-68	4
1012	Enhanced Accuracy in Registration of Cortex Functional Data via Large-Deformation Differomorphic Maps. 2007 ,	
1011	Development of NMR: From the Early Beginnings to the Early 1990s. 2007 ,	3
1010	Neuroimaging of cognitive load in instructional multimedia. 2007 , 2, 1-12	94
1009	MR Imaging and MR Spectroscopy. 2007 , 257-293	
1008	Is there a common origin to surround-inhibition as seen through electrical activity versus hemodynamic changes? Focus on "Duration-dependent response in SI to vibrotactile stimulation in squirrel monkey". 2007 , 97, 1880-2	11
1007	Real-time fMRI using brain-state classification. 2007 , 28, 1033-44	193
1006	CA3 NMDA receptors are required for experience-dependent shifts in hippocampal activity. 2007 , 17, 1003-11	22
1005	Sources of phase changes in BOLD and CBV-weighted fMRI. <i>Magnetic Resonance in Medicine</i> , 2007 , 57, 520-7	4.4 41

1004	Reduction of transmitter B1 inhomogeneity with transmit SENSE slice-select pulses. <i>Magnetic Resonance in Medicine</i> , 2007 , 57, 842-7	4.4	90
1003	Applications and limitations of whole-brain MAGIC VASO functional imaging. <i>Magnetic Resonance in Medicine</i> , 2007 , 58, 306-15	4.4	42
1002	Obtaining blood oxygenation levels from MR signal behavior in the presence of single venous vessels. <i>Magnetic Resonance in Medicine</i> , 2007 , 58, 1035-44	4.4	58
1001	Physiological changes of the human uterine myometrium during menstrual cycle: preliminary evaluation using BOLD MR imaging. 2007 , 26, 695-700		19
1000	Wavelet based time-varying vector autoregressive modelling. 2007 , 51, 5847-5866		46
999	Flexible statistical modelling detects clinical functional magnetic resonance imaging activation in partially compliant subjects. 2007 , 25, 188-96		1
998	Computer-generated fMRI phantoms with motion-distortion interaction. 2007 , 25, 1376-84		6
997	ISPMER: Integrated system for combined PET, MRI, and electrophysiological recording in somatosensory studies in rats. 2007 , 580, 938-943		9
996	Adaptive spatiotemporal modelling and estimation of the event-related fMRI responses. 2007 , 87, 2810-2822		1
995	Quantitative approaches to functional MRI: applications in epilepsy. 2007 , 48 Suppl 4, 27-36		4
994	Clinical application of high and ultra high-field MRI. 2007 , 29, 325-35		50
993	Retinotopic organization of primary visual cortex in glaucoma: Comparing fMRI measurements of cortical function with visual field loss. 2007 , 26, 38-56		85
992	Estimation of the hemodynamic response of fMRI Data using RBF neural network. 2007 , 54, 1371-81		9
991	fMRI data analysis with nonstationary noise models: a Bayesian approach. 2007 , 54, 1621-30		14
990	Brain aging and its modifiers: insights from in vivo neuromorphometry and susceptibility weighted imaging. 2007 , 1097, 84-93		120
989	Non-invasive assessment of vessel morphology and function in tumors by magnetic resonance imaging. 2007 , 17, 2136-48		57
988	Role of functional magnetic resonance imaging in drug discovery. 2007 , 17, 179-88		24
987	Technical developments in radiology in Australasia dating from 1977. 2007 , 30, 160-77		2

986	Neural activation associated with corrective saccades during tasks with fixation, pursuit and saccades. 2008 , 184, 83-94		16
985	A primer on functional magnetic resonance imaging. 2007 , 17, 107-25		51
984	Complimentary aspects of diffusion imaging and fMRI: II. Elucidating contributions to the fMRI signal with diffusion sensitization. 2007 , 25, 939-52		6
983	Transverse NMR relaxation in magnetically heterogeneous media. 2008 , 195, 33-9		22
982	Neural computations with mammalian infochemicals. 2008 , 34, 928-42		9
981	Spinal fMRI during proprioceptive and tactile tasks in healthy subjects: Activity detected using cross-correlation, general linear model and independent component analysis. 2008 , 50, 895-902		18
980	MR venography of the human brain using susceptibility weighted imaging at very high field strength. 2008 , 21, 149-58		99
979	The impact of EPI voxel size on SNR and BOLD sensitivity in the anterior medio-temporal lobe: a comparative group study of deactivation of the Default Mode. 2008 , 21, 279-90		37
978	Magnetic resonance methods and applications in pharmaceutical research. 2008 , 97, 3637-65		15
977	Reducing correlated noise in fMRI data. <i>Magnetic Resonance in Medicine</i> , 2008 , 59, 939-45	4.4	24
976	Imaging brain vasculature with BOLD microscopy: MR detection limits determined by in vivo two-photon microscopy. <i>Magnetic Resonance in Medicine</i> , 2008 , 59, 855-65	4.4	46
975	Full-brain coverage and high-resolution imaging capabilities of passband b-SSFP fMRI at 3T. <i>Magnetic Resonance in Medicine</i> , 2008 , 59, 1099-110	4.4	46
974	Modeling SSFP functional MRI contrast in the brain. <i>Magnetic Resonance in Medicine</i> , 2008 , 60, 661-73	4.4	38
973	BOLD imaging in the mouse brain using a turboCRAZED sequence at high magnetic fields. <i>Magnetic Resonance in Medicine</i> , 2008 , 60, 850-9	4.4	16
972	The role of neuroimaging for the diagnosis and treatment of anxiety disorders. 2008 , 25, 348-56		26
971	BOLD fMRI mapping of brain responses to nociceptive stimuli in rats under ketamine anesthesia. 2008 , 30, 953-8		24
970	Improved functional mapping of the human amygdala using a standard functional magnetic resonance imaging sequence with simple modifications. 2008 , 26, 45-53		52
969	A two-compartment gel phantom for optimization and quality assurance in clinical BOLD fMRI. 2008 , 26, 279-86		14

968	Decreases in ADC observed in tissue areas during activation in the cat visual cortex at 9.4 T using high diffusion sensitization. 2008 , 26, 889-96	25
967	Quantification of venous blood signal contribution to BOLD functional activation in the auditory cortex at 3 T. 2008 , 26, 1221-31	8
966	The unpleasantness of perceived dyspnea is processed in the anterior insula and amygdala. 2008 , 177, 1026-32	208
965	Predicting treatment outcome in stimulant dependence. 2008 , 1141, 270-83	20
964	The topographic anatomy of the central artery: a neuronavigational-based study. 2008 , 190, 146-57	4
963	Is the center of mass (COM) a reliable parameter for the localization of brain function in fMRI?. 2008 , 18, 1031-7	16
962	Functional BOLD MRI: comparison of different field strengths in a motor task. 2008 , 18, 1102-13	13
961	What we can do and what we cannot do with fMRI. 2008 , 453, 869-78	2317
960	Smokers' brains compute, but ignore, a fictive error signal in a sequential investment task. 2008 , 11, 514-20	143
959	Hypoxia-induced acute mountain sickness is associated with intracellular cerebral edema: a 3 T magnetic resonance imaging study. 2008 , 28, 198-206	74
958	Analysis of FMRI data with drift: modified general linear model and Bayesian estimator. 2008 , 55, 1504-11	16
957	Fast joint reconstruction of dynamic R2* and field maps in functional MRI. 2008 , 27, 1177-88	27
956	Imaging the neural circuitry and chemical control of aggressive motivation. 2008 , 9, 111	88
955	Paediatric MRI. 2008 , 19, 315-318	1
954	Models of muscle contraction and energetics. 2008 , 5, 273-288	8
953	Bio-Inspired Computing and Communication. 2008 ,	1
952	Functional MR imaging of the lung. 2008 , 16, 275-89, ix	20
951	Experimental Models of Brain Disease: MRI Contrast Mechanisms for the Assessment of Pathophysiological Status. 2008 , 787-799	1

950	Stimulus frequency dependence of blood oxygenation level-dependent functional magnetic resonance imaging signals in the somatosensory cortex of rats. 2008 , 62, 25-31	9
949	Self responses along cingulate cortex reveal quantitative neural phenotype for high-functioning autism. 2008 , 57, 463-73	177
948	Magnetic resonance imaging in cerebral ischemia: focus on neonates. 2008 , 55, 271-80	33
947	Brain nociceptive imaging in rats using (18)f-fluorodeoxyglucose small-animal positron emission tomography. 2008 , 155, 1221-6	29
946	Functional magnetic resonance imaging and the neurobiology of vasopressin and oxytocin. 2008 , 170, 305-20	31
945	BOLD study of stimulation-induced neural activity and resting-state connectivity in medetomidine-sedated rat. 2008 , 39, 248-60	158
944	Cervical spinal cord BOLD fMRI study: modulation of functional activation by dexterity of dominant and non-dominant hands. 2008 , 39, 825-31	25
943	BOLD and blood volume-weighted fMRI of rat lumbar spinal cord during non-noxious and noxious electrical hindpaw stimulation. 2008 , 40, 133-47	40
942	The post-stimulation undershoot in BOLD fMRI of human brain is not caused by elevated cerebral blood volume. 2008 , 40, 473-481	43
941	Differential activation of frontal and parietal regions during visual word recognition: an optical topography study. 2008 , 40, 1340-9	42
940	Investigation of the influence of carbon dioxide concentrations on cerebral physiology by susceptibility-weighted magnetic resonance imaging (SWI). 2008 , 43, 36-43	52
939	Gadolinium(III) complexes as MRI contrast agents: ligand design and properties of the complexes. 2008 , 3027-47	410
938	Cortical plasticity following nerve transfer in the upper extremity. 2008 , 24, 425-44, vi-vii	64
937	Sizing up allometric scaling theory. 2008 , 4, e1000171	162
936	Hemodynamic Response Latency Analysis Using Wavelet Transform in Event-related Functional MRI. 2008 , 2, 195-206	
935	Patient-adapted reconstruction and acquisition dynamic imaging method (PARADIGM) for MRI. 2008 , 24, 045015	28
934	Magnetic resonance imaging methods in developmental science: a primer. 2008 , 20, 1029-51	9
933	Mapping the primary motor cortex in healthy subjects and patients with peri-rolandic brain lesions before neurosurgery. 2008 , 30, 968-73	8

932	Attention enhances the neural processing of relevant features and suppresses the processing of irrelevant features in humans: a functional magnetic resonance imaging study of the Stroop task. 2008 , 28, 13786-92	85
931	Light delivery over extended time periods enhances the effectiveness of photodynamic therapy. 2008 , 14, 2796-805	58
930	Immediate memory consequences of the effect of emotion on attention to pictures. 2008 , 15, 172-82	94
929	Was bringt der 3-Tesla-MRT mehr?. 2008 , 35, 382-388	
928	Magnetic resonance imaging techniques: fMRI, DWI, and PWI. 2008 , 28, 395-406	34
927	Latest advances in molecular imaging instrumentation. 2008 , 49 Suppl 2, 5S-23S	165
926	Lessons from fMRI about mapping cortical columns. 2008 , 14, 287-99	19
925	Magnetic Resonance Imaging and Its Usage in Representative Areas of Neurobiological Research. 2008 , 5, 39-48	1
924	Pinpointing Synaptic Loss Caused by Alzheimer's Disease with fMRI. 2009 , 21, 93-100	15
923	Nuclear magnetic resonance. 67-84	
922	Imaging functional activity. 101-116	
921	The BOLD effect. 341-367	0
920	Nonlinear amygdala response to face trustworthiness: contributions of high and low spatial frequency information. 2009 , 21, 519-28	104
919	Toward functional neurobehavioral assessment of mood and anxiety. 2009 , 2009, 5393-6	
918	Using functional magnetic resonance imaging in psychotherapy research: a brief introduction to concepts, methods, and task selection. 2009 , 19, 409-17	23
917	Resting GABA concentration predicts peak gamma frequency and fMRI amplitude in response to visual stimulation in humans. 2009 , 106, 8356-61	440
916	Recent advances in biomagnetics and bioimaging for brain research and sensing technologies. 2009 , ,	
915	An analytic solution of steady Stokes flow on a rotating polar cap. 2009 , 41, 045505	3

914	Vacuum relaxation and annealing-induced enhancement of mobility of regioregular poly (3-hexylthiophene) field-effect transistors. 2009 , 18, 5078-5083		2
913	Experimental investigation and characterization of micro resistance welding with an electro-thermal actuator. 2009 , 19, 025001		1
912	T2*-weighted MRI versus oxygen extraction fraction PET in acute stroke. 2009 , 28, 306-13		17
911	Correction of venous contamination in time-of-flight MR angiography by using magnetic susceptibility maps. 2009 ,		
910	Non-extensive entropy and the extraction of BOLD spatial information in event-related functional MRI. 2009 , 54, 161-74		15
909	Improving the spatial accuracy in functional magnetic resonance imaging (fMRI) based on the blood oxygenation level dependent (BOLD) effect: benefits from parallel imaging and a 32-channel head array coil at 1.5 Tesla. 2009 , 43, 71-82		11
908	Detecting directional influence in fMRI connectivity analysis using PCA based Granger causality. 2009 , 1289, 22-9		45
907	Analyzing brain networks with PCA and conditional Granger causality. 2009 , 30, 2197-206		74
906	Susceptibility compensated fMRI study using a tailored RF echo planar imaging sequence. 2009 , 29, 221-8		5
905	ToF-SWI: simultaneous time of flight and fully flow compensated susceptibility weighted imaging. 2009 , 29, 1478-84		62
904	Sensitivity to tumor microvasculature without contrast agents in high spectral and spatial resolution MR images. <i>Magnetic Resonance in Medicine</i> , 2009 , 61, 291-8	4.4	24
903	Functional changes in CSF volume estimated using measurement of water T2 relaxation. <i>Magnetic Resonance in Medicine</i> , 2009 , 61, 579-86	4.4	78
902	Compatible dual-echo arteriovenography (CODEA) using an echo-specific K-space reordering scheme. <i>Magnetic Resonance in Medicine</i> , 2009 , 61, 767-74	4.4	9
901	Visualization of seminiferous tubules in rat testes in normal and diseased conditions by high-resolution MRI. <i>Magnetic Resonance in Medicine</i> , 2009 , 62, 637-44	4.4	4
900	Generalized relative entropy in functional magnetic resonance imaging. 2009 , 388, 41-50		13
899	Review of methods for functional brain connectivity detection using fMRI. 2009 , 33, 131-9		172
898	Advantages of using multiple-echo image combination and asymmetric triangular phase masking in magnetic resonance venography at 3 T. 2009 , 27, 23-37		22
897	The possibility of left dominant activation of the sensorimotor cortex during lip protrusion in men. 2009 , 22, 109-18		4

896	Monitoring of tumor oxygenation changes in head-and-neck carcinoma patients breathing a hyperoxic hypercapnic gas mixture with a noninvasive MRI technique. 2009 , 185, 19-26	16
895	Hypofractionated Conformal Radiotherapy (HCRT) for primary and metastatic lung cancers with small dimension : efficacy and toxicity. 2009 , 185, 27-33	12
894	Body and brain temperature coupling: the critical role of cerebral blood flow. 2009 , 179, 701-10	33
893	Magnetic resonance susceptibility based perfusion imaging of tumors using iron oxide nanoparticles. 2009 , 1, 84-97	8
892	Blood oxygenation level dependent functional magnetic resonance imaging: current and potential uses in obstetrics and gynaecology. 2009 , 116, 240-6	12
891	Quantification of modulated blood oxygenation levels in single cerebral veins by investigating their MR signal decay. 2009 , 19, 48-57	16
890	Optimization of static magnetic field homogeneity in the human and animal brain in vivo. 2009 , 54, 69-96	40
889	Cross-encoded magnetic resonance imaging in inhomogeneous fields. 2009 , 201, 199-204	13
888	Lying about facial recognition: an fMRI study. 2009 , 69, 382-90	60
887	Evaluation of intrarenal oxygenation by blood oxygen level-dependent magnetic resonance imaging in living kidney donors and their recipients: preliminary results. 2009 , 41, 641-4	18
886	Magnetic resonance imaging in neonatal stroke. 2009 , 14, 299-310	46
885	fMRI Techniques and Protocols. 2009 ,	11
884	Imaging Structure and Function. 2009 , 461-480	1
883	MRI-based functional neuroimaging in ALS: an update. 2009 , 10, 258-68	35
882	Cluster analysis of resting-state fMRI time series. 2009 , 45, 1117-25	88
881	In vivo cerebromicrovasculatural visualization using 3D DeltaR2-based microscopy of magnetic resonance angiography (3DDeltaR2-mMRA). 2009 , 45, 824-31	34
880	The spatio-temporal mapping of epileptic networks: combination of EEG-fMRI and EEG source imaging. 2009 , 46, 834-43	94
879	Implicit reference-based group-wise image registration and its application to structural and functional MRI. 2009 , 47, 1341-51	56

878 Multivariate classification of fMRI images. **2009**,

877 MR relaxation in multiple sclerosis. **2009**, 19, 1-26

71

876 High-field magnetic resonance imaging. **2009**, 19, 113-28

5

875 Inferring visual system connectivity using dynamic causal modeling of functional magnetic resonance imaging data. **2010**,

0

874 Blood oxygen level-dependent magnetic resonance imaging of the human liver: preliminary results. **2010**, 34, 523-31

8

873 Neurovascular photoacoustic tomography. **2010**, 2, 10

57

872 Henkelman, R. Mark: MRI: A Quantitative Measurement?. **2010**,

871 Alcohol Craving and Relapse Prediction. **2010**, 99-135

11

870 Bad mood--bad activation? : The influence of emotions on the BOLD signal during finger tapping. **2010**, 20, 153-9

4

869 Functional MRI in children: clinical and research applications. **2010**, 40, 31-49

24

868 Relationship between neural and hemodynamic signals during spontaneous activity studied with temporal kernel CCA. **2010**, 28, 1095-103

58

867 Optimized EPI for fMRI using a slice-dependent template-based gradient compensation method to recover local susceptibility-induced signal loss. **2010**, 23, 165-76

11

866 Combining prospective motion correction and distortion correction for EPI: towards a comprehensive correction of motion and susceptibility-induced artifacts. **2010**, 23, 263-73

30

865 Functional alterations in memory networks in early Alzheimer's disease. **2010**, 12, 27-43

389

864 Temporal kernel CCA and its application in multimodal neuronal data analysis. **2010**, 79, 5-27

60

863 Functional magnetic resonance imaging. **2010**, 45, 147-56

2

862 Convolution power spectrum analysis for FMRI data based on prior image signal. **2010**, 57, 343-52

9

861 Direct magnetic field estimation based on echo planar raw data. **2010**, 29, 1401-11

3

860	The amygdala and FFA track both social and non-social face dimensions. 2010 , 48, 3596-605		58
859	Imaging the immediate non-genomic effects of stress hormone on brain activity. 2010 , 35, 5-14		31
858	Human brain activation in response to visual stimulation with rural and urban scenery pictures: a functional magnetic resonance imaging study. 2010 , 408, 2600-7		55
857	Increased blood oxygen level-dependent (BOLD) sensitivity in the mouse somatosensory cortex during electrical forepaw stimulation using a cryogenic radiofrequency probe. 2011 , 24, 439-46		23
856	Bold-fMRI activation from visual stimuli in human amblyopia with independent component analysis. 2010 , 37B, 7-12		
855	Balanced steady state free precession fMRI. 2010 , 20, 23-30		5
854	T2*-weighted magnetic resonance imaging with hyperoxia in acute ischemic stroke. 2010 , 68, 37-47		33
853	Dual-echo arteriovenography imaging with 7T MRI. 2010 , 31, 255-61		18
852	Quantification of the magnetic resonance signal response to dynamic (C)O(2)-enhanced imaging in the brain at 3 T: R*(2) BOLD vs. balanced SSFP. 2010 , 31, 1300-10		16
851	Asymmetries of the balanced SSFP profile. Part II: white matter. <i>Magnetic Resonance in Medicine</i> , 2010 , 63, 396-406	4.4	23
850	Validation of quantitative estimation of tissue oxygen extraction fraction and deoxygenated blood volume fraction in phantom and in vivo experiments by using MRI. <i>Magnetic Resonance in Medicine</i> , 2010 , 63, 910-21	4.4	33
849	Quantitative evaluation of k-space reordering schemes for compatible dual-echo arteriovenography (CODEA). <i>Magnetic Resonance in Medicine</i> , 2010 , 63, 1404-10	4.4	3
848	Four-dimensional spectral-spatial RF pulses for simultaneous correction of B1+ inhomogeneity and susceptibility artifacts in T2*-weighted MRI. <i>Magnetic Resonance in Medicine</i> , 2010 , 64, 1-8	4.4	20
847	A new automatic phase mask filter for high-resolution brain venography at 3 T: theoretical background and experimental validation. 2010 , 28, 511-9		8
846	In contrast to BOLD: signal enhancement by extravascular water protons as an alternative mechanism of endogenous fMRI signal change. 2010 , 28, 1234-43		29
845	Quantitative functional magnetic resonance imaging of brain activity using bolus-tracking arterial spin labeling. 2010 , 30, 913-22		19
844	Limitations of collateral flow after occlusion of a single cortical penetrating arteriole. 2010 , 30, 1914-27		88
843	Artifact free T2*-weighted imaging at high spatial resolution using segmented EPI sequences. 2010 , 20, 166-74		5

842	Brain Imaging. 2010 , 187-193	3
841	Distributed representations of dynamic facial expressions in the superior temporal sulcus. 2010 , 10, 11	120
840	Functional neuroanatomy associated with natural and urban scenic views in the human brain: 3.0T functional MR imaging. 2010 , 11, 507-13	41
839	Effects of blood flow restriction on cerebral blood flow during a single arm-curl resistance exercise. 2010 , 6, 9-12	4
838	Mapping hV4 and ventral occipital cortex: the venous eclipse. 2010 , 10, 1	153
837	Graded representations of emotional expressions in the left superior temporal sulcus. 2010 , 4, 6	22
836	A FREQUENCY SIGNAL METHOD FOR fMRI DATA ANALYSIS. 2010 , 22, 377-383	
835	Neuroimaging Methods in Behavioral Medicine. 2010 , 769-781	
834	Brain imaging studies of appetite in the context of obesity and the menstrual cycle. 2010 , 16, 276-92	47
833	The evolution of clinical functional imaging during the past 2 decades and its current impact on neurosurgical planning. 2010 , 31, 219-25	85
832	The effects of COMT (Val108/158Met) and DRD4 (SNP -521) dopamine genotypes on brain activations related to valence and magnitude of rewards. 2010 , 20, 1985-96	69
831	Consistency of atomic data for the interpretation of beam emission spectra. 2010 , 52, 125008	38
830	On the feasibility of neurocurrent imaging by low-field nuclear magnetic resonance. 2010 , 96, 233701	23
829	Magnetic resonance imaging of oscillating electrical currents. 2010 , 107, 8519-24	24
828	Gaining new insights into food reward with functional neuroimaging. 2010 , 63, 152-163	23
827	Translational neuroscience approaches to hyperphagia. 2010 , 30, 11549-54	14
826	. 2010 ,	
825	Spinal arteriovenous malformation: evaluation of change in venous oxygenation with susceptibility-weighted MR imaging after treatment. 2010 , 254, 891-9	17

824	Current role of functional MRI in the diagnosis of movement disorders. 2010 , 20, 103-10	7
823	Blood Oxygenation Level Dependent (BOLD). 2010 , 141-143	
822	Imaging of brain tumors: functional magnetic resonance imaging and diffusion tensor imaging. 2010 , 20, 379-400	36
821	Dual-echo EPI for non-equilibrium fMRI - implications of different echo combinations and masking procedures. 2010 , 52, 524-31	15
820	Advanced MR imaging techniques for skeletal muscle evaluation. 2010 , 14, 257-68	47
819	Analysis of a Phase Spectrum Method for fMRI Time Series Via the Hilbert Transform. 2010 ,	
818	Selective potentiation of the metabotropic glutamate receptor subtype 2 blocks phencyclidine-induced hyperlocomotion and brain activation. 2010 , 168, 209-18	46
817	Disruption of prefrontal function and connectivity in individuals with phenylketonuria. 2010 , 99 Suppl 1, S33-40	25
816	Functional imaging of putative human mirror neuron systems in neurological disease. 2010 , 221, 5-9	1
815	Neural substrates of phonological selection for Japanese character Kanji based on fMRI investigations. 2010 , 50, 1280-91	10
814	Analysis of multimodal neuroimaging data. 2011 , 4, 26-58	98
813	Accuracy of susceptibility-weighted imaging for the detection of arteriovenous shunting in vascular malformations of the brain. 2011 , 42, 87-92	51
812	What makes osteoarthritis painful? The evidence for local and central pain processing. 2011 , 50, 2157-65	125
811	Brain causality investigation based on FMRI images time series using dynamic causal modelling augmented by Granger Causality. 2011 ,	
810	Overview of functional magnetic resonance imaging. 2011 , 22, 133-9, vii	308
809	A pathophysiological framework of hippocampal dysfunction in ageing and disease. 2011 , 12, 585-601	594
808	Steady-state MRI: methods for neuroimaging. 2011 , 3, 93-105	14
807	Real-time feedback optimization of z-shim gradient for automatic compensation of susceptibility-induced signal loss in EPI. 2011 , 55, 1587-92	5

806	Dynamic contrast-enhanced magnetic resonance imaging: definitive imaging of placental function?. 2011 , 16, 22-8	26
805	Decoding fMRI brain states in real-time. 2011 , 56, 440-54	122
804	Non-invasive measurement of oxygen saturation in the spinal vein using SWI: quantitative evaluation under conditions of physiological and caffeine load. 2011 , 54, 344-9	14
803	Differentiation of somatosensory cortices by high-resolution fMRI at 7 T. 2011 , 54, 1012-20	68
802	Differential effects of age and history of hypertension on regional brain volumes and iron. 2011 , 54, 750-9	54
801	Brain Imaging in Behavioral Medicine and Clinical Neuroscience. 2011 ,	5
800	Mapping fetal brain development in utero using magnetic resonance imaging: the Big Bang of brain mapping. 2011 , 13, 345-68	70
799	Neurokinetics. 2011 ,	9
798	Molecular imaging in neuroscience research with small-animal PET in rodents. 2011 , 70, 133-43	23
797	Potential of functional MRI as a biomarker in early Alzheimer's disease. 2011 , 32 Suppl 1, S37-43	105
796	Functional magnetic resonance imaging studies of acupuncture mechanisms: a critique. 2011 , 16, 3-11	7
795	Prefrontal Brain Activation During Emotional Processing: A Functional Near Infrared Spectroscopy Study (fNIRS). 2011 , 5, 33-9	42
794	Urbil, K.: A Journey Toward Functional Brain Imaging and Ultrahigh Field Magnetic Resonance in Humans. 2011 ,	
793	Investigations of Brain Network Alterations in Epilepsy Using Functional Magnetic Resonance Imaging. 2011 ,	
792	Predicting individuals' learning success from patterns of pre-learning MRI activity. 2011 , 6, e16093	32
791	Advances in multiple sclerosis imaging: neurocognitive imaging. 2011 , 3, 275-285	
790	Novel frontiers in ultra-structural and molecular MRI of the brain. 2011 , 24, 386-93	13
789	Edelman, Robert R: The Long Path from a Headed-for-Extinction MR Scanner to Present Day Clinical Techniques. 2011 ,	

788	The role(s) of astrocytes and astrocyte activity in neurometabolism, neurovascular coupling, and the production of functional neuroimaging signals. 2011 , 33, 577-88	151
787	A multicentre study of motor functional connectivity changes in patients with multiple sclerosis. 2011 , 33, 1256-63	21
786	Reprint of: The amygdala and FFA track both social and non-social face dimensions. 2011 , 49, 630-9	3
785	Long-term vascular access ports as a means of sedative administration in a rodent fMRI survival model. 2011 , 200, 106-12	4
784	Signal compensation and compressed sensing for magnetization-prepared MR angiography. 2011 , 30, 1017-27	23
783	Imaging retinotopic maps in the human brain. 2011 , 51, 718-37	249
782	Energy failure in multiple sclerosis and its investigation using MR techniques. 2011 , 258, 2113-27	50
781	Myocardial Oxygenation Imaging: New Methods for Ischemia Detection. 2011 , 4, 159-164	
780	Pharmacological modulation of the BOLD response: a study of acetazolamide and glyceryl trinitrate in humans. 2011 , 34, 921-7	12
779	Microfabricated Multispectral MRI Contrast Agents. 2011 , 375-397	
778	Evoked local field potentials can explain temporal variation in blood oxygenation level-dependent responses in rat somatosensory cortex. 2011 , 24, 209-15	5
777	MRI & MRS assessment of the role of the tumour microenvironment in response to therapy. 2011 , 24, 612-35	13
776	Functional MRI of swallowing: from neurophysiology to neuroplasticity. 2011 , 33 Suppl 1, S14-20	44
775	Mathematical concept of the Bloch flow equations for general magnetic resonance imaging: A review. 2011 , 38A, 85-101	12
774	New fMRI analysis method for multiple stimuli using reference estimation. 2011 , 21, 315-322	
773	Wavelet correlation between subjects: a time-scale data driven analysis for brain mapping using fMRI. 2011 , 194, 350-7	7
772	Task-invariant brain responses to the social value of faces. 2011 , 23, 2766-81	42
771	Differential hemodynamic response in affective circuitry with aging: an fMRI study of novelty, valence, and arousal. 2011 , 23, 1027-41	45

- 770 Fluctuating and sensory-induced vasodynamics in rodent cortex extend arteriole capacity. **2011**, 108, 8473-8 201
- 769 Neuroimaging for drug addiction and related behaviors. **2011**, 22, 609-24 82
- 768 Neurobiological correlates of imaging. **2011**, 22, 162-72
- 767 NEAR-INFRARED IMAGING SENSOR WITH IMPROVED HANDLING AND DIRECT LOCALIZATION IN SIMULTANEOUS MAGNETIC RESONANCE IMAGING MEASUREMENTS. **2011**, 04, 191-198
- 766 Postcontrast susceptibility-weighted imaging: a novel technique for the detection of arteriovenous shunting in vascular malformations of the brain. **2011**, 42, 3127-31 17
- 765 Magnetic susceptibility measurement using 2D magnetic resonance imaging. **2011**, 22, 105702 12
- 764 Characterization of the functional MRI response temporal linearity via optical control of neocortical pyramidal neurons. **2011**, 31, 15086-91 98
- 763 Analysis of activity in fMRI data using affinity propagation clustering. **2011**, 14, 271-81 12
- 762 Mapping brain networks in awake mice using combined optical neural control and fMRI. **2011**, 105, 1393-405 201
- 761 Hyperthermally induced changes in high spectral and spatial resolution MR images of tumor tissue--a pilot study. **2012**, 57, 2653-66 2
- 760 Autism spectrum disorder, functional MRI and MR spectroscopy: possibilities and challenges. **2012**, 23, 4
- 759 Optogenetics: shining a light on the brain. **2012**, 5, hzr020-hzr020 2
- 758 Contrast-enhanced magnetic resonance microangiography reveals remodeling of the cerebral microvasculature in transgenic ArcA^{fl} mice. **2012**, 32, 1705-13 60
- 757 Magnetic resonance imaging (MRI) techniques for polymer electrolyte membrane and direct alcohol fuel cell characterization. **2012**, 262-320 2
- 756 Brain imaging in Alzheimer disease. **2012**, 2, a006213 336
- 755 A historical overview of magnetic resonance imaging, focusing on technological innovations. **2012**, 47, 725-41 43
- 754 Imaging of hypoxia using PET and MRI. **2012**, 13, 552-70 30
- 753 MRI- and PET-Based Imaging Markers for the Diagnosis of Alzheimer's Disease. **2012**, 80-114

752	Probing thalamic integrity in schizophrenia using concurrent transcranial magnetic stimulation and functional magnetic resonance imaging. 2012 , 69, 662-71	42
751	Functional MRI applications in epilepsy surgery. 2012 , 39, 271-85	13
750	Preoperative functional MRI of motor and sensory cortices: how imaging can save vital functions. 2012 , 4, 77-87	0
749	Lateralization of temporal lobe epilepsy using resting functional magnetic resonance imaging connectivity of hippocampal networks. 2012 , 53, 1628-35	61
748	Balanced steady-state free precession fMRI with intravascular susceptibility contrast agent. <i>Magnetic Resonance in Medicine</i> , 2012 , 68, 65-73	4-4 24
747	Neuroimaging in acute stroke: choosing the right patient for neurointervention. 2012 , 15, 19-32	3
746	Synchronization-based approach for detecting functional activation of brain. 2012 , 22, 033128	9
745	Brain signal pattern of engrossed subjects using near infrared spectroscopy (NIRS) and its application to TV commercial evaluation. 2012 ,	5
744	Adaptive 2DCCA Based Approach for Improving Spatial Specificity of Activation Detection in Functional MRI. 2012 ,	4
743	Biophysical and physiological origins of blood oxygenation level-dependent fMRI signals. 2012 , 32, 1188-206	335
742	. 2012 , 42, 825-836	21
741	Resting cerebral metabolism correlates with skin conductance and functional brain activation during fear conditioning. 2012 , 89, 450-9	22
740	Advanced MR imaging techniques and characterization of residual anatomy. 2012 , 114, 460-70	19
739	Calibrated FMRI. 2012 , 62, 930-7	75
738	Imaging in Research Using Nonhuman Primates. 2012 , 795-815	3
737	The NIH experience in first advancing fMRI. 2012 , 62, 632-6	3
736	Record of a single fMRI experiment in May of 1991. 2012 , 62, 610-2	20
735	fMRI of pain processing in the brain: a within-animal comparative study of BOLD vs. CBV and noxious electrical vs. noxious mechanical stimulation in rat. 2012 , 59, 1168-79	37

734	My starting point: the discovery of an NMR method for measuring blood oxygenation using the transverse relaxation time of blood water. 2012 , 62, 589-93	12
733	Sewer pipe, wire, epoxy, and finger tapping: the start of fMRI at the Medical College of Wisconsin. 2012 , 62, 620-31	10
732	Oxygen metabolism, oxygen extraction and positron emission tomography: Historical perspective and impact on basic and clinical neuroscience. 2012 , 61, 492-504	51
731	Early development of arterial spin labeling to measure regional brain blood flow by MRI. 2012 , 62, 602-7	26
730	Using manganese-enhanced MRI to understand BOLD. 2012 , 62, 1009-13	19
729	Finding the BOLD effect in brain images. 2012 , 62, 608-9	33
728	Informing brain connectivity with optogenetic functional magnetic resonance imaging. 2012 , 62, 2244-9	29
727	The road to functional imaging and ultrahigh fields. 2012 , 62, 726-35	50
726	Development of functional imaging in the human brain (fMRI); the University of Minnesota experience. 2012 , 62, 613-9	15
725	Is there a path beyond BOLD? Molecular imaging of brain function. 2012 , 62, 1208-15	24
724	fMRI at 20: has it changed the world?. 2012 , 62, 1316-24	55
723	The story of the initial dip in fMRI. 2012 , 62, 1103-8	70
722	Twenty years of functional MRI: the science and the stories. 2012 , 62, 575-88	127
721	Contrast-enhanced functional blood volume imaging (CE-fBVI): enhanced sensitivity for brain activation in humans using the ultrasmall superparamagnetic iron oxide agent ferumoxytol. 2012 , 62, 1726-31	49
720	Quantitative susceptibility mapping for investigating subtle susceptibility variations in the human brain. 2012 , 62, 2083-100	185
719	Functional Magnetic Resonance Imaging. 2012 , 1113-1137	
718	Tumors of the Central Nervous System, Volume 4. 2012 ,	1
717	Deep Brain Stimulation. 2012 ,	4

716	Functional Neuroimaging in Exercise and Sport Sciences. 2012,	10
715	Cortical neurovascular coupling driven by stimulation of channelrhodopsin-2. 2012, 7, e46607	12
714	Altered baseline brain activity with 72 h of simulated microgravity--initial evidence from resting-state fMRI. 2012, 7, e52558	19
713	Porphyrins as theranostic agents from prehistoric to modern times. 2012, 2, 905-15	108
712	Strategic Mortgage Default and the Decision to Follow the Herd: A Neurological Explanation. 2012,	
711	Functional MRI (fMRI) Techniques: Modern Developments. 2012,	
710	Brain activation in response to visually evoked sexual arousal in male-to-female transsexuals: 3.0 tesla functional magnetic resonance imaging. 2012, 13, 257-64	22
709	Brain reorganization in patients with brachial plexus injury: a longitudinal functional MRI study. 2012, 2012, 501751	15
708	Levodopa versus non-levodopa brain language fMRI in Parkinson's disease. 2012, 10, 171-9	
707	Physics of MRI: a primer. 2012, 35, 1038-54	94
706	Liver functional magnetic resonance imaging analysis using a latent variables approach. 2012, 26, 170-179	1
705	Neuroimaging of Wernicke's encephalopathy and Korsakoff's syndrome. 2012, 22, 170-80	67
704	Measurement and characterization of the human spinal cord SEEP response using event-related spinal fMRI. 2012, 30, 471-84	12
703	Hyperalgesia by low doses of the local anesthetic lidocaine involves cannabinoid signaling: an fMRI study in mice. 2012, 153, 1450-1458	12
702	A 64-channel transmitter for investigating parallel transmit MRI. 2012, 59, 2152-60	11
701	Constrained multiobjective designs for functional magnetic resonance imaging experiments via a modified non-dominated sorting genetic algorithm. 2012, 61, 515-534	10
700	In utero phenotyping of mouse embryonic vasculature with MRI. <i>Magnetic Resonance in Medicine</i> , 2012, 67, 251-7	4-4 14
699	Studies on magnetism and bioelectromagnetics for 45 years: from magnetic analog memory to human brain stimulation and imaging. 2012, 33, 3-22	15

698	Neuroimaging in cluster headache and other trigeminal autonomic cephalalgias. 2012 , 13, 11-20	21
697	Effect of CGRP and sumatriptan on the BOLD response in visual cortex. 2012 , 13, 159-66	27
696	Real-time correction by optical tracking with integrated geometric distortion correction for reducing motion artifacts in functional MRI. <i>Magnetic Resonance in Medicine</i> , 2013 , 69, 734-48	4.4 18
695	Hybrid ultra-low-field MRI and magnetoencephalography system based on a commercial whole-head neuromagnetometer. <i>Magnetic Resonance in Medicine</i> , 2013 , 69, 1795-804	4.4 90
694	Towards Advanced Data Analysis by Combining Soft Computing and Statistics. 2013 ,	5
693	Diagnostic approach to functional recovery: functional magnetic resonance imaging after stroke. 2013 , 32, 9-25	5
692	. 2013 , 15, 1001-1013	24
691	[Contrast in static images in clinical magnetic resonance imaging : Part 1: Contrast properties of tissue]. 2013 , 53, 441-53;quiz 454-6	0
690	Improvement of the SNR and resolution of susceptibility-weighted venography by model-based multi-echo denoising. 2013 , 70, 308-16	13
689	Antinociceptive activity of crotoxin in the central nervous system: a functional Magnetic Resonance Imaging study. 2013 , 74, 44-55	9
688	Temporally-structured acquisition of multidimensional optical imaging data facilitates visualization of elusive cortical representations in the behaving monkey. 2013 , 82, 237-51	10
687	Functions of the hemodynamic response during hypercapnia. Functional MRI study. 2013 , 155, 1-5	1
686	Economic probes of mental function and the extraction of computational phenotypes. 2013 , 94, 234-241	3
685	Light Scattering Reviews 7. 2013 ,	2
684	A NIRS-fMRI investigation of prefrontal cortex activity during a working memory task. 2013 , 83, 158-73	222
683	Ricean over Gaussian modelling in magnitude fMRI Analysis-Added Complexity with Negligible Practical Benefits. 2013 , 2, 303-316	6
682	Exploration of neural correlates of restorative environment exposure through functional magnetic resonance. 2013 , 5, 10-28	30
681	Dynamic mapping of brain and cognitive control of virtual gameplay (study by functional magnetic resonance imaging). 2013 , 154, 706-10	2

680	Functional Magnetic Resonance Imaging in Basic Acupuncture Research. 2013 , 89-108	1
679	Cortical spreading depression induces oxidative stress in the trigeminal nociceptive system. 2013 , 253, 341-9	85
678	Parallel EPI artifact correction (PEAC) for N/2 ghost suppression in neuroimaging applications. 2013 , 31, 1022-8	6
677	Brain activation patterns in women with acquired hypoactive sexual desire disorder and women with normal sexual function: a cross-sectional pilot study. 2013 , 100, 1068-76	31
676	Neuroimaging Approaches to the Understanding of Depression and the Identification of Novel Antidepressants. 2013 , 343-411	1
675	Real-time fMRI neurofeedback: progress and challenges. 2013 , 76, 386-99	305
674	Increased BOLD sensitivity in the orbitofrontal cortex using slice-dependent echo times at 3 T. 2013 , 31, 201-11	11
673	Clinical applications of functional MR imaging. 2013 , 21, 269-78	15
672	Reprint of: resting cerebral metabolism correlates with skin conductance and functional brain activation during fear conditioning. 2013 , 92, 26-35	6
671	Noninvasive real time tomographic imaging of epileptic foci and networks. 2013 , 66, 240-8	25
670	Effects of the apolipoprotein E ϵ allele on functional MRI during n-back working memory tasks in healthy middle-aged adults. 2013 , 34, 1197-202	26
669	Dynamic and simultaneous MR measurement of R1 and R2* changes during respiratory challenges for the assessment of blood and tissue oxygenation. <i>Magnetic Resonance in Medicine</i> , 2013 , 70, 136-46	4-4 37
668	Blood oxygenation level-dependent (BOLD)-based techniques for the quantification of brain hemodynamic and metabolic properties - theoretical models and experimental approaches. 2013 , 26, 963-86	87
667	Characterizing the relationship between functional MRI-derived measures and clinical outcomes in patients with vascular lesions. 2013 , 34, E8	10
666	Assessment of Skeletal Muscle Microperfusion Using MRI. 2013 , 87-114	
665	The role of hippocampal iron concentration and hippocampal volume in age-related differences in memory. 2013 , 23, 1533-41	66
664	Renal tissue oxygenation in essential hypertension and chronic kidney disease. 2013 , 2013, 696598	27
663	The potential for an enhanced role for MRI in radiation-therapy treatment planning. 2013 , 12, 429-46	122

662	Areas of the brain modulated by single-dose methylphenidate treatment in youth with ADHD during task-based fMRI: a systematic review. 2013 , 21, 151-62	29
661	Word learning is mediated by the left arcuate fasciculus. 2013 , 110, 13168-73	181
660	Functional Magnetic Resonance Imaging. 2013 , 14, 1-9	3
659	THE SPECTRUM AND TERM ANALYSIS OF V II. 2013 , 207, 13	14
658	Brain imaging and human nutrition: which measures to use in intervention studies?. 2013 , 110 Suppl 1, S1-30	46
657	Brain Theory From A Circuits And Systems Perspective. 2013 ,	1
656	Magnetic field effects on mitochondrion-activity-related optical properties in slime mold and bone forming cells. 2013 , 2013, 1442-5	
655	Magnetic resonance T2*-weighted study of U87 MG glioma tumors and its relationship between tumor hypoxia and VEGF expression. 2013 , 19, 201-3	1
654	Venocentric Lesions: An MRI Marker of MS?. 2013 , 4, 98	13
653	Olfactory Hallucinations without Clinical Motor Activity: A Comparison of Unirhinal with Birhinal Phantosmia. 2013 , 3, 1483-553	17
652	Quantitative T2 mapping of recurrent glioblastoma under bevacizumab improves monitoring for non-enhancing tumor progression and predicts overall survival. 2013 , 15, 1395-404	56
651	Nanoscale Fourier-Transform Magnetic Resonance Imaging. 2013 , 3,	20
650	Estimation of the neuronal activation using fMRI data: An observer-based approach. 2013 ,	2
649	Exploring R(2) * and R(1) as imaging biomarkers of tumor oxygenation. 2013 , 38, 429-34	37
648	MR - eyes for cancer: looking within an impenetrable disease. 2013 , 26, 745-55	10
647	Seizure Signal Analysis. 2013 , 161-195	1
646	Transform-invariant feature based functional MR image registration and neural activity modelling. 2013 , 6, 175-89	
645	Striatal dopamine D1-like receptor binding is unchanged in primary focal dystonia. 2013 , 28, 2002-6	11

644	Voxel spread function method for correction of magnetic field inhomogeneity effects in quantitative gradient-echo-based MRI. <i>Magnetic Resonance in Medicine</i> , 2013 , 70, 1283-92	4.4	69
643	Physical principles for scalable neural recording. 2013 , 7, 137		155
642	Imaging of brain oxygenation. 75-88		1
641	The neural substrates of social influence on decision making. 2013 , 8, e52630		21
640	Magnetic resonance imaging detects placental hypoxia and acidosis in mouse models of perturbed pregnancies. 2013 , 8, e59971		13
639	Altered regional homogeneity with short-term simulated microgravity and its relationship with changed performance in mental transformation. 2014 , 8, e64931		13
638	The Cambridge Handbook of Human Affective Neuroscience. 133-153		4
637	Development of the complex general linear model in the Fourier domain: application to fMRI multiple input-output evoked responses for single subjects. 2013 , 2013, 645043		
636	Emotional and Motivational Processes in Bipolar Disorder: A Neural Network Perspective. 2013 ,		
635	Assessing Human Cortical Activation and Network During Pitch Discrimination Task in Quiet and in Noisy Background. 2013 , 7,		3
634	Functional Magnetic Resonance Imaging. 2014 , 4005-4018		4
633	Comparison of real-time water proton spectroscopy and echo-planar imaging sensitivity to the BOLD effect at 3 T and at 7 T. 2014 , 9, e91620		7
632	Sedation agents differentially modulate cortical and subcortical blood oxygenation: evidence from ultra-high field MRI at 17.2 T. 2014 , 9, e100323		12
631	Stem Cell Therapy for Cerebral Palsy â A Novel Option. 2014 ,		
630	Augmenting melodic intonation therapy with non-invasive brain stimulation to treat impaired left-hemisphere function: two case studies. 2014 , 5, 37		22
629	Could magnetic resonance provide in vivo histology?. 2014 , 4, 298		10
628	Visualizando a elaboraço da linguagem em surdos bilngues por meio da ressonncia magntica funcional. 2014 , 14, 835-859		
627	Behavioral-Economic and Neuroeconomic Perspectives on Addiction. 2014 ,		

626	Arterial spin labeling versus BOLD in direct challenge and drug-task interaction pharmacological fMRI. 2014 , 2, e687	15
625	Brain Functional Networks in the Developing Brain Using Resting BOLD. 2014 ,	
624	Towards neural correlates of auditory stimulus processing: a simultaneous auditory evoked potentials and functional magnetic resonance study using an odd-ball paradigm. 2014 , 20, 35-46	10
623	Magnetic Resonance Imaging. 2014 , 73-262	1
622	Advances and innovations in brain arteriovenous malformation surgery. 2014 , 74 Suppl 1, S60-73	45
621	Brain Segmentation Using Susceptibility Weighted Imaging Method. 2014 ,	1
620	The Ionic DTI Model (iDTI) of Dynamic Diffusion Tensor Imaging (dDTI). 2014 , 1, 217-224	2
619	R(*) ² mapping for robust brain function detection in the presence of magnetic field inhomogeneity. 2014 , 2014, 1537-40	2
618	Enhanced phase regression with Savitzky-Golay filtering for high-resolution BOLD fMRI. 2014 , 35, 3832-40	3
617	Diffusion-assisted selective dynamical recoupling: a new approach to measure background gradients in magnetic resonance. 2014 , 140, 084205	9
616	C7 nerve root sensory distribution in peripheral nerves: a bold functional magnetic resonance imaging investigation at 9.4 T. 2014 , 49, 40-6	5
615	. 2014 ,	
614	Affective brain areas and sleep-disordered breathing. 2014 , 209, 275-93	24
613	MR OEF imaging in MELAS. 2014 , 547, 433-44	15
612	Enhancing the detection of BOLD signal in fMRI by reducing the partial volume effect. 2014 , 2014, 973972	8
611	Imaging Structure and Function. 2014 , 585-605	2
610	Cortical plasticity induced by different degrees of peripheral nerve injuries: a rat functional magnetic resonance imaging study under 9.4 Tesla. 2013 , 8, 4	8
609	Individual trial analysis for 7T fMRI data by a data-driven multi scale approach. 2014 , 27, 213-27	1

608	Fusing DTI and fMRI data: a survey of methods and applications. 2014 , 102 Pt 1, 184-91	83
607	Functional Imaging in Oncology. 2014 ,	1
606	Detecting resting-state brain activity by spontaneous cerebral blood volume fluctuations using whole brain vascular space occupancy imaging. 2014 , 84, 575-84	16
605	Whole-brain imaging with single-cell resolution using chemical cocktails and computational analysis. 2014 , 157, 726-39	768
604	Magnetic Resonance Imaging of Cancer Therapy. 2014 , 95-126	
603	Critical role of imaging in the neurosurgical and radiotherapeutic management of brain tumors. 2014 , 34, 702-21	21
602	High-field small animal magnetic resonance oncology studies. 2014 , 59, R65-R127	10
601	Workshop on Neurobiology of Epilepsy appraisal: new systemic imaging technologies to study the brain in experimental models of epilepsy. 2014 , 55, 819-28	12
600	An fMRI Study of Impairments to Speech Perception in Patients with Vascular Sensory Aphasia. 2014 , 44, 740-747	1
599	Bifunctional chelates optimized for molecular MRI. 2014 , 53, 6554-68	7
598	Investigation of a calcium-responsive contrast agent in cellular model systems: feasibility for use as a smart molecular probe in functional MRI. 2014 , 5, 360-9	24
597	Brain resting-state functional MRI connectivity: morphological foundation and plasticity. 2014 , 84, 1-10	46
596	Point process analysis in brain networks of patients with diabetes. 2014 , 145, 182-189	13
595	[Quantification and improvement of speech transmission performance using headphones in acoustic stimulated functional magnetic resonance imaging]. 2014 , 70, 1119-24	1
594	Brain temperature and its fundamental properties: a review for clinical neuroscientists. 2014 , 8, 307	161
593	[Recent findings on MRI testing--clinical application of 3T ultra-high magnetic apparatus]. 2014 , 117, 75-80	
592	Brain activation in response to randomized visual stimulation as obtained from conjunction and differential analysis: an fMRI study. 2014 , 546, 012003	
591	Brain network analysis. 2014 , 15, 30-38	27

590	Inflection Points in Magnetic Resonance Imaging Technology-35 Years of Collaborative Research and Development. 2015 , 50, 645-56	1
589	Bayesian Inference on the Brain: Bayesian Solutions to Selected Problems in Neuroimaging. 2015 , 1-36	
588	Decomposition of spontaneous fluctuations in tumour oxygenation using BOLD MRI and independent component analysis. 2015 , 113, 1168-77	13
587	Prospective, longitudinal, multi-modal functional imaging for radical chemo-IMRT treatment of locally advanced head and neck cancer: the INSIGHT study. 2015 , 10, 112	14
586	Oxygen-Sensing Methods in Biomedicine from the Macroscale to the Microscale. 2015 , 54, 8340-62	108
585	Susceptibility-weighted angiography visualizes hypoxia in cerebral veins. 2015 , 50, 397-400	9
584	Robust and fragile aspects of cortical blood flow in relation to the underlying angioarchitecture. 2015 , 22, 204-218	62
583	Sauerstoffmessung in der Biomedizin – von der Makro- zur Mikroebene. 2015 , 127, 8458-8483	13
582	Resting-state Functional Magnetic Resonance Imaging Correlates of Sevoflurane-induced Unconsciousness. 2015 , 123, 346-56	69
581	Gd-Complexes of New Arylpiperazinyl Conjugates of DTPA-Bis(amides): Synthesis, Characterization and Magnetic Relaxation Properties. 2015 , 20, 7807-19	1
580	Impact of hematocrit on measurements of the intrinsic brain. 2014 , 8, 452	9
579	References. 2015 , 161-204	
578	A cellular perspective on brain energy metabolism and functional imaging. 2015 , 86, 883-901	579
577	Photoacoustic imaging of vascular hemodynamics: validation with blood oxygenation level-dependent MR imaging. 2015 , 275, 110-8	88
576	A Neurological Explanation of Strategic Mortgage Default. 2015 , 51, 215-230	5
575	A review of heterogeneous data mining for brain disorder identification. 2015 , 2, 253-264	13
574	Increasing structural atrophy and functional isolation of the temporal lobe with duration of disease in temporal lobe epilepsy. 2015 , 110, 171-8	17
573	Neuroanatomical mechanism on the effect of distraction in working memory maintenance in patients with schizophrenia. 2015 , 27, e1-9	19

572	Advances in pediatric neuroimaging. 2015 , 82, 154-65	1
571	Development of modularity in the neural activity of children's brains. 2015 , 12, 016009	16
570	Quantitative MR Imaging of Brain Tissue and Brain Pathologies. 2015 , 25 Suppl 2, 219-24	10
569	Early disrupted neurovascular coupling and changed event level hemodynamic response function in type 2 diabetes: an fMRI study. 2015 , 35, 1671-80	34
568	Convolution Models for FMRI. 2015 , 483-488	3
567	High-Field Acquisition. 2015 , 97-102	1
566	Temporal Resolution and Spatial Resolution of fMRI. 2015 , 173-182	
565	Contrast Agents in Functional Magnetic Resonance Imaging. 2015 , 37-46	1
564	Explicit and Implicit Prosody in Sentence Processing. 2015 ,	4
563	Cortical Plasticity After Peripheral Nerve Injury. 2015 , 1055-1076	4
562	Synthesis and magnetic relaxation properties of new Gd(III) complexes derived from DTPA-bis(amide) conjugates of arylpiperazinyl amines. 2015 , 56, 5-7	7
561	Task-Based Presurgical Functional MRI in Patients with Brain Tumors. 2015 , 89-141	4
560	Ultra-large field-of-view two-photon microscopy. 2015 , 23, 13833-47	73
559	Converging models of schizophrenia--Network alterations of prefrontal cortex underlying cognitive impairments. 2015 , 134, 178-201	48
558	Functional Magnetic Resonance Imaging Methods. 2015 , 25, 289-313	75
557	Response of myocardial oxygenation to breathing manoeuvres and adenosine infusion. 2015 , 16, 395-401	25
556	The Future of Functional MRI. 2015 , 895-929	
555	From BOLD Contrast to Imaging Human Brain Function. 2015 , 3-9	1

554	Functional imaging of the human placenta with magnetic resonance. 2015 , 213, S103-14	77
553	. 2015 , 103, 1507-1530	54
552	Identification of Discriminative Subgraph Patterns in fMRI Brain Networks in Bipolar Affective Disorder. 2015 , 105-114	17
551	Basic Principles of Cardiovascular MRI. 2015 ,	3
550	Arcuate fasciculus laterality by diffusion tensor imaging correlates with language laterality by functional MRI in preadolescent children. 2015 , 57, 291-7	29
549	Spectroscopic measurement of cortical nitric oxide release induced by ascending activation. 2015 , 285, 303-11	1
548	Uhwang Chungsim Won decreases blood oxygen level-dependent fMRI signal response to a motor stimulation task. 2015 , 21, 493-9	1
547	Optimized protocol for high resolution functional magnetic resonance imaging at 3T using single-shot echo planar imaging. 2015 , 239, 170-82	1
546	Hemodynamic correlates of cognition in human infants. 2015 , 66, 349-79	64
545	Oxygen Level and LFP in Task-Positive and Task-Negative Areas: Bridging BOLD fMRI and Electrophysiology. 2016 , 26, 346-57	30
544	Quantitative Assessment of Head Motion toward Functional Magnetic Resonance Imaging during Stepping. 2016 , 15, 273-80	
543	Holistic atlases of functional networks and interactions (HAFNI). 2016 , 435-454	
542	Neurovascular and Immuno-Imaging: From Mechanisms to Therapies. Proceedings of the Inaugural Symposium. 2016 , 10, 46	2
541	A Hitchhiker's Guide to Functional Magnetic Resonance Imaging. 2016 , 10, 515	77
540	The Chronic Exercise-Cognition Interaction. 2016 , 187-209	9
539	Functional and anatomical characterization of brown adipose tissue in heart failure with blood oxygen level dependent magnetic resonance. 2016 , 29, 978-84	8
538	Parametric fMRI of paced motor responses uncovers novel whole-brain imaging biomarkers in spinocerebellar ataxia type 3. 2016 , 37, 3656-68	12
537	Resting state functional magnetic resonance imaging processing techniques in stroke studies. 2016 , 27, 871-885	14

536	A robust method for suppressing motion-induced coil sensitivity variations during prospective correction of head motion in fMRI. 2016 , 34, 1206-19		18
535	Principles of MRI and Functional MRI. 2016 , 3-28		
534	Pharmacological Applications of fMRI. 2016 , 817-831		
533	Selection of Optimal Pulse Sequences for fMRI. 2016 , 69-111		
532	Interactions between head motion and coil sensitivity in accelerated fMRI. 2016 , 270, 46-60		11
531	Functional magnetic resonance imaging. 2016 , 135, 61-92		32
530	The effect of dissolved oxygen on the susceptibility of blood. <i>Magnetic Resonance in Medicine</i> , 2016 , 75, 363-71	4.4	8
529	Uses, misuses, new uses and fundamental limitations of magnetic resonance imaging in cognitive science. 2016 , 371,		36
528	What is feasible with imaging human brain function and connectivity using functional magnetic resonance imaging. 2016 , 371,		36
527	Precision mapping of the vibrissa representation within murine primary somatosensory cortex. 2016 , 371,		18
526	Functional Neuroimaging. 2016 , 25-43		
525	Functional Imaging: Magnetic Resonance Imaging. 2016 , 2955-2981		
524	The 100 most-cited articles in neuroimaging: A bibliometric analysis. 2016 , 139, 149-156		46
523	A novel approach to calibrate the hemodynamic model using functional Magnetic Resonance Imaging (fMRI) measurements. 2016 , 262, 93-109		4
522	Chemical Principles in Tissue Clearing and Staining Protocols for Whole-Body Cell Profiling. 2016 , 32, 713-741		170
521	Why Robots Entered Neurosurgery. 2016 , 85-105		4
520	Quiet and distortion-free, whole brain BOLD fMRI using T2 -prepared RUFIS. <i>Magnetic Resonance in Medicine</i> , 2016 , 75, 1402-12	4.4	24
519	Comparison of peripheral near-infrared spectroscopy low-frequency oscillations to other denoising methods in resting state functional MRI with ultrahigh temporal resolution. <i>Magnetic Resonance in Medicine</i> , 2016 , 76, 1697-1707	4.4	24

518	Alterations in default-mode network connectivity may be influenced by cerebrovascular changes within 1 week of sports related concussion in college varsity athletes: a pilot study. 2016 , 10, 559-68		55
517	Quantitative T2* mapping reveals early temporo-spatial dynamics in an ischemic stroke model. 2016 , 259, 83-89		2
516	High spatial resolution compressed sensing (HSPARSE) functional MRI. <i>Magnetic Resonance in Medicine</i> , 2016 , 76, 440-55	4-4	23
515	Role of Multiparametric MR Imaging in Malignancies of the Urogenital Tract. 2016 , 24, 187-204		10
514	Methods in Bilingual Reading Comprehension Research. 2016 ,		5
513	Oxygen challenge magnetic resonance imaging in healthy human volunteers. 2017 , 37, 366-376		6
512	From unspecific to adjusted, how the BOLD response in the rat hippocampus develops during consecutive stimulations. 2017 , 37, 590-604		8
511	Investigating hyperoxic effects in the rat brain using quantitative susceptibility mapping based on MRI phase. <i>Magnetic Resonance in Medicine</i> , 2017 , 77, 592-602	4-4	11
510	Transverse water relaxation in whole blood and erythrocytes at 3T, 7T, 9.4T, 11.7T and 16.4T; determination of intracellular hemoglobin and extracellular albumin relaxivities. 2017 , 38, 234-249		18
509	The relationship between BOLD fMRI response and the underlying white matter as measured by fractional anisotropy (FA): A systematic review. 2017 , 153, 369-381		19
508	Comparison of BOLD, diffusion-weighted fMRI and ADC-fMRI for stimulation of the primary visual system with a block paradigm. 2017 , 39, 123-131		6
507	Time Series Analysis and Its Applications. 2017 ,		299
506	Design and Applications of Nanoparticles in Biomedical Imaging. 2017 ,		9
505	Multispectral MR Imaging and Sensing Using Shaped Nanoparticles. 2017 , 95-122		
504	Entrainment of Arteriole Vasomotor Fluctuations by Neural Activity Is a Basis of Blood-Oxygenation-Level-Dependent "Resting-State" Connectivity. 2017 , 96, 936-948.e3		156
503	Analysis of vascular homogeneity and anisotropy on high-resolution primate brain imaging. 2017 , 38, 5756-5777		3
502	Understanding the neurovascular unit at multiple scales: Advantages and limitations of multi-photon and functional ultrasound imaging. 2017 , 119, 73-100		27
501	The integration of social influence and reward: Computational approaches and neural evidence. 2017 , 17, 784-808		3

500	Bridging the gap between system and cell: The role of ultra-high field MRI in human neuroscience. 2017 , 233, 179-220	8
499	Collateral blood flow in different cerebrovascular hierarchy provides endogenous protection in cerebral ischemia. 2017 , 27, 809-821	9
498	Physiological characterization of a robust survival rodent fMRI method. 2017 , 35, 54-60	36
497	Using Anatomic Magnetic Resonance Image Information to Enhance Visualization and Interpretation of Functional Images: A Comparison of Methods Applied to Clinical Arterial Spin Labeling Images. 2017 , 36, 487-496	4
496	Impact of hyperventilation and apnea on myocardial oxygenation in patients with obstructive sleep apnea - An oxygenation-sensitive CMR study. 2017 , 69, 489-494	11
495	Mitochondrial calcium homeostasis: Implications for neurovascular and neurometabolic coupling. 2017 , 37, 381-395	21
494	Modern Imaging in Neurooncology. 2017 , 01, E160-E170	
493	Neural Mechanisms of Emotions and Affect. 2017 , 27-87	6
492	Brain Imaging?. 2017 , 77-77	1
491	Are Movement Artifacts in Magnetic Resonance Imaging a Real Problem?-A Narrative Review. 2017 , 8, 232	59
490	Functional Magnetic Resonance Imaging and Functional Near-Infrared Spectroscopy: Insights from Combined Recording Studies. 2017 , 11, 419	90
489	Altered Functional Connectivity Following an Inflammatory White Matter Injury in the Newborn Rat: A High Spatial and Temporal Resolution Intrinsic Optical Imaging Study. 2017 , 11, 358	7
488	Unique Neural Characteristics of Atypical Lateralization of Language in Healthy Individuals. 2017 , 11, 525	12
487	Resting-State Functional Connectivity in the Infant Brain: Methods, Pitfalls, and Potentiality. 2017 , 5, 159	29
486	The Magnetic Field Produced by the Heart and Its Influence on MRI. 2017 , 2017, 1-9	3
485	Functional resonance magnetic imaging (fMRI) in adolescents with idiopathic musculoskeletal pain: a paradigm of experimental pain. 2017 , 15, 81	6
484	Magnetic resonance imaging analysis of brain function in patients with irritable bowel syndrome. 2017 , 17, 148	15
483	Moderne Bildgebung in der Neuroonkologie. 2017 , 44, 489-500	2

482	Functional magnetic resonance imaging and the brain: A brief review. 2017 , 9, 5-9		17
481	Brain Imaging Using Hyperpolarized Xenon MRI. 2017 , 251-262		1
480	Contrast Mechanisms in MRI *. 2017 , 367-375		0
479	Bases de la imagen funcional II: técnicas emergentes de resonancia magnética y nuevos métodos de análisis. 2018 , 60, 23-35		1
478	Neonatal brain resting-state functional connectivity imaging modalities. 2018 , 10, 1-19		39
477	Preclinical MRI. 2018 ,		2
476	Susceptibility Weighted MRI in Rodents at 9.4 T. 2018 , 1718, 205-234		2
475	Biophysics of BOLD fMRI investigated with animal models. 2018 , 292, 82-89		12
474	Brain changes after spinal cord injury, a quantitative meta-analysis and review. 2018 , 90, 272-293		32
473	Functional magnetic resonance imaging: basic principles and application in the neurosciences. 2018 , 60, 368-377		1
472	Investigating the Influence of Spatial Constraints on Ultimate Receive Coil Performance for Monkey Brain MRI at 7 T. 2018 , 37, 1723-1732		8
471	Impact of acquisition and analysis strategies on cortical depth-dependent fMRI. 2018 , 168, 332-344		50
470	Imaging at ultrahigh magnetic fields: History, challenges, and solutions. 2018 , 168, 7-32		60
469	T ₂ -prepared balanced steady-state free precession (bSSFP) for quantifying whole-blood oxygen saturation at 1.5T. <i>Magnetic Resonance in Medicine</i> , 2018 , 79, 1893-1900	4-4	7
468	Advanced Neuroimaging Techniques: Basic Principles and Clinical Applications. 2018 , 38, 101-114		2
467	In vivo whole-blood T ₂ versus HbO calibration by modulating blood oxygenation level in the femoral vein through intermittent cuff occlusion. <i>Magnetic Resonance in Medicine</i> , 2018 , 79, 2290-2296	4-4	0
466	Cognitive Performance Enhancement: Do Biofeedback and Neurofeedback Work?. 2018 , 2, 12-42		13
465	In vivo assessment of the placental anatomy and perfusion in a mouse model of intrauterine inflammation. 2018 , 47, 1260-1267		8

464	Characterization of the diffusion coefficient of blood. <i>Magnetic Resonance in Medicine</i> , 2018 , 79, 2752-2758	18
463	Data-driven mapping of hypoxia-related tumor heterogeneity using DCE-MRI and OE-MRI. <i>Magnetic Resonance in Medicine</i> , 2018 , 79, 2236-2245	4-4 10
462	Oxygen metabolism in acute ischemic stroke. 2018 , 38, 1481-1499	26
461	Hemodynamic effects of sex and handedness on the Wisconsin Card Sorting Test: the contradiction between neuroimaging and behavioural results. 2018 , 6, e5890	5
460	Challenges and Perspectives of Quantitative Functional Sodium Imaging (fNaI). 2018 , 12, 810	5
459	COMPLEX-VALUED TIME SERIES MODELING FOR IMPROVED ACTIVATION DETECTION IN FMRI STUDIES. 2018 , 12, 1451-1478	9
458	An efficient k-means-type algorithm for clustering datasets with incomplete records. 2018 , 11, 296-311	3
457	Functional magnetic resonance imaging: Basic principles and application in the neurosciences. 2018 , 60, 368-377	1
456	Neurotransmitter alterations in the anterior cingulate cortex in Crohn's disease patients with abdominal pain: A preliminary MR spectroscopy study. 2018 , 20, 793-799	13
455	Neuroimaging Applications in Dystonia. 2018 , 143, 1-30	19
454	BOLD magnetic resonance imaging in nephrology. 2018 , 11, 103-112	11
453	Encyclopedia of Clinical Neuropsychology. 2018 , 2937-2939	
452	A combined study of F-FDG PET-CT and fMRI for assessing resting cerebral function in patients with major depressive disorder. 2018 , 16, 1873-1881	8
451	Imaging of Hypoxia in Retinal Vascular Disease. 2018 ,	2
450	Trainability of hemodynamic parameters: A near-infrared spectroscopy based neurofeedback study. 2018 , 136, 168-180	6
449	Modeling hyperoxia-induced BOLD signal dynamics to estimate cerebral blood flow, volume and mean transit time. 2018 , 178, 461-474	14
448	Can MRI Contribute to the Understanding and Therapy of Mental Diseases?. 2018 , 49, 579-587	1
447	Post-therapy Functional Magnetic Resonance Imaging in Adults with Symptomatic Convergence Insufficiency. 2018 , 95, 505-514	10

446	Exploring latent structures of Alzheimer's disease via structure learning. 2018,	0
445	EEG-Informed fMRI: A Review of Data Analysis Methods. 2018, 12, 29	75
444	Feasibility of imaging evoked activity throughout the rat brain using electrical impedance tomography. 2018, 178, 1-10	16
443	Feasibility of cardiovascular magnetic resonance to detect oxygenation deficits in patients with multi-vessel coronary artery disease triggered by breathing maneuvers. 2018, 20, 31	26
442	Large-scale dynamic modeling of task-fMRI signals via subspace system identification. 2018, 15, 066016	11
441	Functional MRI technologies in the study of medication treatment effect on Alzheimer's disease. 2018, 1, 75-95	6
440	Alterations of Parenchymal Microstructure, Neuronal Connectivity, and Cerebrovascular Resistance at Adolescence after Mild-to-Moderate Traumatic Brain Injury in Early Development. 2019, 36, 601-608	7
439	Human non-REM sleep and the mean global BOLD signal. 2019, 39, 2210-2222	12
438	Acquisition of sensorimotor fMRI under general anaesthesia: Assessment of feasibility, the BOLD response and clinical utility. 2019, 23, 101923	5
437	Imaging Techniques for Neurosurgical Planning of Tumor Resection. 2019, 1105-1113	
436	Investigating the vestibular system using modern imaging techniques-A review on the available stimulation and imaging methods. 2019, 326, 108363	10
435	Simultaneous EEG Acquisition System for Multiple Users: Development and Related Issues. 2019, 19,	4
434	Fast Adaptive Smoothing and Thresholding for Improved Activation Detection in Low-Signal fMRI. 2019, 38, 2821-2828	2
433	Density Functional Theory modeling of the magnetic susceptibility of heme derivatives. 2019, 527, 110498	1
432	A critical assessment of data quality and venous effects in sub-millimeter fMRI. 2019, 189, 847-869	43
431	The voxel-wise analysis of false negative fMRI activation in regions of provoked impaired cerebrovascular reactivity. 2019, 14, e0215294	4
430	Structural and Functional Connectivity: A Combined Analysis of Patients with Multiple Sclerosis Using Joint-ICA. 2019, 471-477	
429	Cellular and Ionic Mechanisms of Arterial Vasomotion. 2019, 1124, 297-312	9

428	Imaging Techniques for Neurosurgical Planning of Tumor Resection. 2019 , 1-10	
427	High-density diffuse optical tomography for imaging human brain function. 2019 , 90, 051101	44
426	Developmental neurobiology as a guide for pharmacological management of pain in neonates. 2019 , 24, 101012	7
425	Selected Topics Relating to Functional MRI Study of the Brain. 2019 , 68, 73-86	3
424	Gastric stimulation drives fast BOLD responses of neural origin. 2019 , 197, 200-211	11
423	Control of false positive rates in clusterwise fMRI inferences. 2019 , 46, 1956-1972	4
422	Comparative fMRI and MEG localization of cortical sensorimotor function: Bimodal mapping supports motor area reorganization in glioma patients. 2019 , 14, e0213371	10
421	Functional networks are impaired by elevated tau-protein but reversible in a regulatable Alzheimer's disease mouse model. 2019 , 14, 13	16
420	From the Wet Lab to the Web Lab: A Paradigm Shift in Brain Imaging Research. 2019 , 13, 3	3
419	Spatial source phase: A new feature for identifying spatial differences based on complex-valued resting-state fMRI data. 2019 , 40, 2662-2676	11
418	fMRI in Economics: What Functional Imaging of the Brain Can Add to Behavioral Economics Experiments. 2019 , 47-83	0
417	The Application of Functional Magnetic Resonance Imaging in Neuropathic Pain. 2019 ,	1
416	Influence of sensitivity and specificity of measuring methods on their informativity and hardware requirements. 2019 , 124, 05043	2
415	Neuroanatomical Considerations in Preoperative Functional Brain Mapping. 2019 , 28, 213-224	10
414	Does Neuroeconomics Really Need the Brain?. 2019 , 135-141	
413	Towards fast and reliable simultaneous EEG-fMRI analysis of epilepsy with automatic spike detection. 2019 , 130, 368-378	10
412	A survey on applications and analysis methods of functional magnetic resonance imaging for Alzheimer's disease. 2019 , 317, 121-140	16
411	Maximising BOLD sensitivity through automated EPI protocol optimisation. 2019 , 189, 159-170	7

410	Carbon monofilament electrodes for unit recording and functional MRI in same subjects. 2019 , 186, 806-816	8
409	Characterizing contrast origins and noise contribution in spin-echo EPI BOLD at 3 T. 2019 , 57, 328-336	4
408	BOLD signal physiology: Models and applications. 2019 , 187, 116-127	37
407	High spatial resolution BOLD fMRI using simultaneous multislice excitation with echo-shifting gradient echo at 7 Tesla. 2020 , 66, 86-92	2
406	Radiologic evidence that hypothalamic gliosis is improved after bariatric surgery in obese women with type 2 diabetes. 2020 , 44, 178-185	13
405	Refined Functional Magnetic Resonance Imaging and Magnetoencephalography Mapping Reveals Reorganization in Language-Relevant Areas of Lesioned Brains. 2020 , 136, e41-e59	3
404	More than BOLD: Dual-spin populations create functional contrast. <i>Magnetic Resonance in Medicine</i> , 2020 , 83, 681-694	4.4 0
403	Perfusion and apparent oxygenation in the human placenta (PERFOX). <i>Magnetic Resonance in Medicine</i> , 2020 , 83, 549-560	4.4 14
402	Deep residual network for highly accelerated fMRI reconstruction using variable density spiral trajectory. 2020 , 398, 338-346	3
401	Effects of Chronic Ephedrine Toxicity on Functional Connections, Cell Apoptosis, and CREB-Related Proteins in the Prefrontal Cortex of Rhesus Monkeys. 2020 , 37, 602-615	2
400	Oxygen metabolism MRI - A comparison with perfusion imaging in a rat model of MCA branch occlusion and reperfusion. 2020 , 40, 2315-2327	2
399	Kaempferol Treatment after Traumatic Brain Injury during Early Development Mitigates Brain Parenchymal Microstructure and Neural Functional Connectivity Deterioration at Adolescence. 2020 , 37, 966-974	7
398	Cerebrovascular MRI in the mouse without an exogenous contrast agent. <i>Magnetic Resonance in Medicine</i> , 2020 , 84, 405-415	4.4 2
397	Staining protocols for whole-body and fast tissue clearance for marine invertebrates. 2020 , 1461, 012105	
396	Voxel Weight Matrix-Based Feature Extraction for Biomedical Applications. 2020 , 8, 121451-121459	0
395	OAR sparing 3D radiotherapy planning supported by fMRI brain mapping investigations. 2020 , 45, e1-e8	0
394	Ultra-slow Oscillations in fMRI and Resting-State Connectivity: Neuronal and Vascular Contributions and Technical Confounds. 2020 , 107, 782-804	32
393	MR Imaging of SCA3/MJD. 2020 , 14, 749	4

392	Role of the central autonomic nervous system intrinsic functional organisation and psychosocial factors in primary microvascular angina and Takotsubo syndrome. 2020 , 7,	0
391	VisualNeuro: A Hypothesis Formation and Reasoning Application for Multi-Variate Brain Cohort Study Data. 2020 , 39, 392-407	1
390	Neuroplasticity induced by general anaesthesia: study protocol for a randomised cross-over clinical trial exploring the effects of sevoflurane and propofol on the brain - A 3-T magnetic resonance imaging study of healthy volunteers. 2020 , 21, 805	1
389	Functional Brain Mapping: Methods and Aims. 2020 ,	
388	A temporal decomposition method for identifying venous effects in task-based fMRI. 2020 , 17, 1033-1039	8
387	Complexity and Cognitive Engagement in the Rorschach Task: An fMRI Study. 2021 , 103, 634-644	3
386	Early maturation of the social brain: How brain development provides a platform for the acquisition of social-cognitive competence. 2020 , 254, 49-70	3
385	Does the MRI/fMRI Procedure Itself Confound the Results of Meditation Research? An Evaluation of Subjective and Neurophysiological Measures of TM Practitioners in a Simulated MRI Environment. 2020 , 11, 728	4
384	Preeclamptic Placenta: New Insights Using Placental Magnetic Resonance Imaging. 2020 , 75, 1412-1413	1
383	The Contribution of Functional Magnetic Resonance Imaging to the Understanding of the Effects of Acute Physical Exercise on Cognition. 2020 , 10,	14
382	Normal autonomic neurophysiology of postural orthostatic tachycardia and recommended physiological assessments in postural orthostatic tachycardia syndrome. 2020 , 8, e14465	0
381	Disentangling the Effects of Spinal Cord Injury and Related Neuropathic Pain on Supraspinal Neuroplasticity: A Systematic Review on Neuroimaging. 2019 , 10, 1413	9
380	Translational Neuroscience of Speech and Language Disorders. 2020 ,	0
379	Placental Magnetic Resonance Imaging: A Method to Evaluate Placental Function In Vivo. 2020 , 47, 197-213	5
378	Quantitative theory for the transverse relaxation time of blood water. 2020 , 33, e4207	14
377	Visual feedback therapy for restoration of upper limb function of stroke patients. 2020 , 7, 170-178	5
376	Simultaneous time of flight-MRA and T2* imaging for cerebrovascular MRI. 2021 , 63, 243-251	0
375	The thermodynamics of thinking: connections between neural activity, energy metabolism and blood flow. 2021 , 376, 20190624	10

374	Highly accelerated submillimeter resolution 3D GRASE with controlled blurring in -weighted functional MRI at 7 Tesla: A feasibility study. <i>Magnetic Resonance in Medicine</i> , 2021 , 85, 2490-2506	4.4	6
373	Novel Technique for Noninvasive Detection of Localized Dynamic Brain Signals by Using Transcranial Static Magnetic Fields. 2021 , 9, 4900106		1
372	Brain Tumors. 2021 ,		0
371	Regional homogeneity abnormalities of resting state brain activities in children with growth hormone deficiency. 2021 , 11, 334		1
370	Functional MRI and Diffusion Tensor Imaging. 2021 , 77-102		
369	A History of Diagnostic Investigations in Epilepsy Surgery. 2021 , 1-7		
368	Brain Measures. 2021 , 1-12		
367	Improved spatio-temporal measurements of visually-evoked fields using optically-pumped magnetometers.		
366	Encyclopedia of Autism Spectrum Disorders. 2021 , 717-718		
365	Markers of human endometrial hypoxia can be detected in vivo and ex vivo during physiological menstruation. 2021 , 36, 941-950		1
364	Spatio-temporal parameters for optical probing of neuronal activity. 2021 , 13, 13-33		0
363	Quantitative assessment of visual pathway function in blind retinitis pigmentosa patients. 2021 , 132, 392-403		2
362	Sparse representation of complex-valued fMRI data based on spatiotemporal concatenation of real and imaginary parts. 2021 , 351, 109047		0
361	Uses of Human MR and PET Imaging in Research of Neurodegenerative Brain Diseases. 2021 , 18, 661-672		1
360	Multi-centre, multi-vendor 7 Tesla fMRI reproducibility of hand digit representation in the human somatosensory cortex.		0
359	Multimodal Functional Imaging for Cancer/Tumor Microenvironments Based on MRI, EPRI, and PET. 2021 , 26,		3
358	Novel Composite Gold-Aluminum Electrode with Application to Neural Recording and Stimulation in Ultrahigh Field Magnetic Resonance Imaging Scanners. 2021 , 49, 2337-2348		1
357	Attenuated cerebral blood flow in frontolimbic and insular cortices in Alcohol Use Disorder: Relation to working memory. 2021 , 136, 140-148		4

356	Modelling the depth-dependent VASO and BOLD responses in human primary visual cortex.	0
355	T2* placental MRI in pregnancies complicated with fetal congenital heart disease. 2021 , 108, 23-31	3
354	Can Deep Learning Hit a Moving Target? A Scoping Review of Its Role to Study Neurological Disorders in Children. 2021 , 15, 670489	1
353	Efficient discretization scheme for semi-analytical solutions of the Bloch-Torrey equation. 2021 , 6-7, 100010	1
352	Reference-Free Adaptive Filtering of Extracellular Neural Signals Recording in Ultra-High Field Magnetic Resonance Imaging Scanners: Removal of Periodic Interferences.. 2022 , 71, 102758-102758	0
351	Fusion of Multiple Spatial Networks Derived from Complex-Valued fMRI Data via CNN Classification. 2021 ,	1
350	Dynamic variations of resting-state BOLD signal spectra in white matter.	
349	The Potential of Oxygenation-Sensitive CMR in Heart Failure. 2021 , 18, 304-314	1
348	The Significance of Echo Time in fMRI BOLD Contrast: A Clinical Study during Motor and Visual Activation Tasks at 1.5 T. 2021 , 7, 333-343	
347	Cortical Re-organization After Traumatic Brain Injury Elicited Using Functional Electrical Stimulation Therapy: A Case Report. 2021 , 15, 693861	5
346	Signal Generation, Acquisition, and Processing in Brain Machine Interfaces: A Unified Review. 2021 , 15, 728178	0
345	Human microvascular reactivity: a review of vasomodulating stimuli and non-invasive imaging assessment. 2021 , 42,	0
344	Visual snow syndrome, the spectrum of perceptual disorders, and migraine as a common risk factor: A narrative review. 2021 , 61, 1306-1313	5
343	An optimized registration workflow and standard geometric space for small animal brain imaging. 2021 , 241, 118386	2
342	Determining the impact of age and sex on the psychophysical and neurophysiological response to thermal pain across the adult lifespan. 2021 , 77, 1546-1555	2
341	Investigating the pathophysiology of anorexia nervosa using induced pluripotent stem cells: background, current trends, and perspectives. 2021 , 293-323	
340	High-Resolution Venographic BOLD MRI of Animal Brain at 9.4 T: Implications for BOLD fMRI. 637-647	1
339	A Guide to Fluorescence Lifetime Microscopy and Förster's Resonance Energy Transfer in Neuroscience. 2020 , 94, e108	4

338	Simultaneous spin-echo and gradient-echo BOLD measurements by dynamic MRS. 2017 , 30, e3745	2
337	Principles of Functional MRI. 2006 , 3-23	2
336	Funktionelle Magnetresonanztomographie. 2006 , 239-252	1
335	Functional MRI. 2005 , 93-110	1
334	Perfusion MRI of Acute Stroke. 2006 , 173-197	3
333	Molecular and Functional Imaging in Radiation Oncology. 2008 , 62-94	2
332	High Magnetic Fields for Imaging Cerebral Morphology, Function, and Biochemistry. 2006 , 285-342	5
331	Principles of BOLD Functional MRI. 2011 , 293-303	3
330	Principles of Functional MRI. 2010 , 3-22	3
329	Brain Mapping for Neurosurgery and Cognitive Neuroscience. 2010 , 119-159	2
328	Brain Imaging in Behavioral Medicine and Clinical Neuroscience: Synthesis. 2011 , 383-393	2
327	Progress in Neurosurgical Robotics. 2014 , 601-612	3
326	Combining NMR and EPR/ESR for in Vivo Experiments. 2003 , 579-597	2
325	Nuclear magnetic resonance spectroscopy and the study of tissue oxygen metabolism: a review. 1992 , 316, 187-93	10
324	Principles and Horizons of Magnetic Resonance Imaging. 2000 , 39-71	1
323	Toward absolute quantitation of bold functional MRI. 1999 , 471, 681-9	17
322	Bold MRI vs. NIR Spectrophotometry. 1998 , 103-113	20
321	Near-simultaneous hemoglobin saturation and oxygen tension maps in the mouse cortex during amphetamine stimulation. 1998 , 454, 149-58	5

320	Blood Oxygenation. 1997 , 645-650	25
319	Brain Activation Studies Using Magnetic Resonance Imaging. 1997 , 241-265	1
318	Assessment of Angiogenesis by MRI. 1998 , 55-60	1
317	Signal sources in bold contrast fMRI. 1997 , 413, 19-25	22
316	Linking Cerebral Blood Oxygenation to Human Brain Function. 1997 , 221-233	1
315	Physiology and Physics of the fMRI Signal. 2015 , 163-213	4
314	Second Language Sentence Processing: Psycholinguistic and Neurobiological Research Paradigms. 2016 , 231-263	1
313	Tactile and non-tactile sensory paradigms for fMRI and neurophysiologic studies in rodents. 2009 , 489, 213-42	18
312	Principles of MRI and Functional MRI. 2009 , 3-29	1
311	Functional MRI Methods. 2020 , 93-112	1
310	Cortical reintegration of a replanted hand and an osseointegrated thumb prosthesis. 2007 , 100, 109-12	8
309	Inner Voice Experiences During Processing of Direct and Indirect Speech. 2015 , 287-307	3
308	Nonlinear estimation and modeling of fMRI data using spatio-temporal support vector regression. 2003 , 18, 647-59	15
307	Presurgical Functional MRI in Patients with Brain Tumors. 2007 , 87-134	5
306	Functional MRI Limitations and Aspirations. 2009 , 15-38	9
305	An Introduction to Magnetic Resonance Imaging: From Image Acquisition to Clinical Diagnosis. 2011 , 127-161	5
304	Multi-spectral luminescence tomography with the simplified spherical harmonics equations. 2013 , 37-67	2
303	Encyclopedia of Psychopharmacology. 2014 , 1-10	1

302	Mining Local Connectivity Patterns in fMRI Data. 2013 , 305-317	2
301	Neurotransmitter Release During Deep Brain Stimulation. 2012 , 193-204	3
300	MRI Hypoxia Measurements. 2014 , 269-289	1
299	In-vivo Optical Imaging of Cortical Architecture and Dynamics. 1999 , 893-969	78
298	Principles of BOLD Functional MRI. 2000 , 103-113	5
297	Gradient Echo and Spin Echo Methods for Functional MRI. 2000 , 127-136	0
296	Optimal Efficiency of 3D and 2D BOLD Gradient Echo fMRI Methods. 2000 , 161-171	1
295	Spatial Selectivity of BOLD Contrast: Effects In and Around Draining Veins. 2000 , 221-231	1
294	Field Strength Dependence of Functional MRI Signals. 2000 , 277-282	2
293	Quality Assurance in Clinical and Research Echo Planar Functional MRI. 2000 , 337-346	6
292	Event-Related Functional MRI. 2000 , 441-452	3
291	Functional MR Angiography Using In-Flow and Phase-Contrast MR Acquisition Techniques. 2000 , 83-89	2
290	Echo-Planar Magnetic Resonance Imaging of Human Brain Activation. 1998 , 493-530	1
289	The roles of functional MRI in MR-guided neurosurgery in a combined 1.5 Tesla MR-operating room. 2003 , 85, 127-35	16
288	Historical Review of Developments in the Field of Cerebral Blood Flow and Metabolism. 2001 , 3-10	2
287	In Vivo Verification of the Intravascular BOLD Effect. 1996 , 62-65	3
286	High Field Functional MRI in Humans: Applications to Cognitive Function. 1996 , 91-96	3
285	PRESTO, a Rapid 3D Approach for Functional MRI of Human Brain. 1996 , 105-110	3

284	fMRI of the Brain with Medium Field Strength Units. 1996 , 115-118	3
283	Neuroimaging of Small Vessel Disease in Late-Life Depression. 2019 , 1192, 95-115	3
282	Foundations of advanced magnetic resonance imaging. 2005 , 2, 167-196	1
281	Imaging, Diffusion, Perfusion, and Flow. 1994 , 25-42	0
280	Functional Imaging of the Brain by Nuclear Magnetic Resonance. 1994 , 137-150	4
279	MR Studies of Tumors: Relationship between Blood Flow, Metabolism, and Physiology. 1994 , 311-328	4
278	Functional Magnetic Resonance Imaging (fMRI). 2014 , 69-80	3
277	VEGF-Targeted Antiangiogenic Gene Therapy. 2002 , 421-434	1
276	Cellular Mechanisms of Brain Energy Metabolism. 2011 , 123-146	3
275	MR molecular imaging of tumor vasculature and vascular targets. 2010 , 69, 1-30	22
274	VENTILATION-PERFUSION MR IMAGING OF THE LUNG. 1999 , 7, 379-392	9
273	Functional magnetic resonance imaging measures of blood flow patterns in the human auditory cortex in response to sound. 1998 , 41, 538-48	8
272	Event-related functional MRI: past, present, and future. 1998 , 95, 773-80	397
271	Effective paradigm design. 2001 , 178-197	13
270	Estimation of Cerebral Perfusion Reserve by Blood Oxygenation Level-Dependent Imaging: Comparison With Single-Photon Emission Computed Tomography. 2003 , 121-135	14
269	EEG-Linked functional magnetic resonance imaging in epilepsy and cognitive neurophysiology. 2000 , 17, 43-58	49
268	Age correlation of the time lag in signal change on EPI-fMRI. 1998 , 22, 514-7	64
267	Macroscopic susceptibility in ultra high field MRI. 1999 , 23, 832-41	70

266	Comparison of fMRI and intraoperative direct cortical stimulation in localization of receptive language areas. 2000 , 24, 99-105	87
265	Physiologically initiated and inhibited phantasmia: cyclic unirrinal, episodic, recurrent phantasmia revealed by brain fMRI. 2000 , 24, 501-20	10
264	Functional Magnetic Resonance Imaging as a Management Tool for Cerebral Arteriovenous Malformations. 1995 , 37, 619-626	10
263	Novel insights into congenital hypoventilation syndrome. 1999 , 5, 335-8	27
262	Language Mapping With Magnetoencephalography: An Update on the Current State of Clinical Research and Practice With Considerations for Clinical Practice Guidelines. 2020 , 37, 554-563	4
261	Cortical re-organization after traumatic brain injury elicited using functional electrical stimulation therapy: A case report.	1
260	Stimulus Vignetting and Orientation Selectivity in Human Visual Cortex.	1
259	An Optimized Registration Workflow and Standard Geometric Space for Small Animal Brain Imaging.	4
258	Noninvasive evaluation of intrarenal oxygenation with BOLD MRI. 1996 , 94, 3271-5	327
257	Evolution of photochemically induced focal cerebral ischemia in the rat. Magnetic resonance imaging and histology. 1996 , 27, 2110-8; discussion 2118-9	55
256	Functional magnetic resonance imaging reveals brain regions mediating the response to resistive expiratory loads in humans. 1996 , 97, 47-53	18
255	Magnetic resonance evidence of hypoxia in a homozygous alpha-knockout of a transgenic mouse model for sickle cell disease. 1996 , 98, 2450-5	21
254	Quantifying cerebral blood flow: regional regulation with global implications. 2004 , 114, 1046-8	6
253	High-resolution activation mapping of basal ganglia with functional magnetic resonance imaging. 1995 , 45, 180-2	22
252	The Valsalva maneuver: an indispensable physiological tool to differentiate intra versus extracranial near-infrared signal. 2020 , 11, 1712-1724	2
251	Task-related activity in human visual cortex. 2020 , 18, e3000921	7
250	Neural correlates of effective learning in experienced medical decision-makers. 2011 , 6, e27768	7
249	Effects of anesthetic agents on brain blood oxygenation level revealed with ultra-high field MRI. 2012 , 7, e32645	22

248	Spatial reorganization of putaminal dopamine D2-like receptors in cranial and hand dystonia. 2014 , 9, e88121	13
247	Analytic programming with fMRI data: a quick-start guide for statisticians using R. 2014 , 9, e89470	5
246	Simultaneous Imaging of CBF Change and BOLD with Saturation-Recovery-T1 Method. 2015 , 10, e0122563	3
245	In the Range of 20 to 35ms, an Echo-time of 20ms is Preferred for 3-tesla Functional Magnetic Resonance Imaging. 2013 , 2, 47-54	1
244	Human brain language areas identified by functional magnetic resonance imaging. 1997 , 17, 353-62	1002
243	BIOFEEDBACK IN THE MAGNETIC FIELD (ON STEREOTOPOGRAPHY OF COGNITIVE FUNCTIONS). 2013 , 12, 7-20	2
242	Mechanical ventilator for delivery of CO_2 in brief pulses. 2008 , 2, 57-63	8
241	Alterations of contralateral thalamic perfusion in neuropathic pain. 2010 , 4, 182-6	12
240	Spatially extended fMRI signal response to stimulus in non-functionally relevant regions of the human brain: preliminary results. 2011 , 5, 24-32	1
239	Magnetic resonance characterization of ischemic tissue metabolism. 2011 , 5, 66-73	4
238	Functional significance of stress-relieving act of chewing and its effect on brain activation by stress. 2005 , 54, 661-666	1
237	VISUAL AND TACTILE GUIDANCE OF DEXTEROUS MANIPULATION TASKS: AN fMRI STUDY. 2005 , 101, 317	4
236	Pinpointing synaptic loss caused by Alzheimer's disease with fMRI. 2009 , 21, 93-100	5
235	Brain changes detected by functional magnetic resonance imaging and spectroscopy in patients with Crohn's disease. 2017 , 23, 3607-3614	6
234	Colorectal cancer: Parametric evaluation of morphological, functional and molecular tomographic imaging. 2019 , 25, 5233-5256	13
233	Methods and utility of EEG-fMRI in epilepsy. 2015 , 5, 300-12	24
232	Clinical applications of functional MRI in epilepsy. 2008 , 18, 210-7	16
231	Acupuncture at Waiguan (SJ5) and sham points influences activation of functional brain areas of ischemic stroke patients: a functional magnetic resonance imaging study. 2014 , 9, 293-300	11

230	Alteration of functional connectivity in patients with Alzheimer's disease revealed by resting-state functional magnetic resonance imaging. 2020 , 15, 285-292	11
229	Location of Brain Electrical Source Activation according to Visually Stimulated Sexual Arousal: A Cross Spectral Analysis using Low Resolution Brain Electromagnetic Tomography (LORETA). 2006 , 47, 779	2
228	Flow Dynamics in Restricted Geometries: A Mathematical Concept Based on Bloch NMR Flow Equation and Boubaker Polynomial Expansion Scheme. 2013 , 01, 71-78	1
227	Neuroimaging Phenomenology of the Central Self-Regulation Mechanisms. 2014 , 04, 58-68	1
226	Analysis of fMRI Single Subject Data in the Fourier Domain Acquired Using a Multiple Input Stimulus Experimental Design. 2012 , 03, 469-480	1
225	Cerebrovascular reactivity mapping for brain tumor presurgical planning. 2011 , 2, 289-98	40
224	[Evaluation of time resolution of primary visual cortex using a single paradigm: sequence design employing a stimulation system]. 2003 , 59, 1261-7	2
223	Stimulus vignetting and orientation selectivity in human visual cortex. 2018 , 7,	15
222	Rapid quantitative pharmacodynamic imaging by a novel method: theory, simulation testing and proof of principle. 2013 , 1, e117	7
221	Determination of Language Lateralization using Functional MRI during the Performance of Shiritori Tasks in Neurosurgery Patients. 2001 , 10, 155-163	3
220	New Horizons in Brain Science. 2021 , 291-310	
219	Introduction of a new simple dynamic phantom for physical BOLD effect simulation. 2021 ,	
218	Contribution of animal models toward understanding resting state functional connectivity. 2021 , 245, 118630	6
217	Application of Nuclear Magnetic Resonance for Investigation of the Tumour Microenvironment. 2000 , 145-159	1
216	Functional MRI in Pediatrics. 2000 , 513-523	2
215	Functional MRI Signal Decrease at the Onset of Stimulation. 2000 , 243-252	
214	Contrast in MR Imaging. 2000 , 57-75	1
213	Measurement of Human Advanced Brain Function in Calculation Processing Using Functional Magnetic Resonance Imaging(fMRI). 2001 , 57, 605-610	

- 212 9. Imagerie par rsonance magnétique fonctionnelle. **2001**, 179-205
- 211 Funktionelle Magnetresonanztomographie (fMRT). **2002**, 967-1000
- 210 Magnetic Resonance Imaging. **2002**, 355-386
- 209 Evaluation and analysis of brain attack using MR functional imaging. **2002**, 269-292
- 208 Anatomical Studies in the Rodent Brain and Spinal Cord. **2002**, 232-256
- 207 Comparison study of oxygen-induced MRI-signal changes and pO₂ changes in murine tumors. **2003**, 530, 461-5
- 206 Aufnahme von Kopfbewegungen in Echtzeit zur Korrektur von Bewegungsartefakten bei fMRI. **2003**, 141-145 1
- 205 Cerebral Mechanisms of Learning Revealed by Functional Neuroimaging in Humans. **2003**, 49-57
- 204 Coupling and Compartmentation of Cerebral Blood Flow and Metabolism. **2003**, 72-95
- 203 The Past, Present And Future Of Magnetic Resonance Imaging. **2003**, 283-294 1
- 202 Functional Brain Reorganization and Recovery after Injury to White Matter. **2005**, 451-466
- 201 Functional Magnetic Resonance Imaging in Conscious Marmoset Monkeys: Methods and Applications in Neuroscience Research. **2005**, 353-369 1
- 200 Magnetic resonance imaging. **2005**, 355-386
- 199 Introduction to Plasticity in the Visual System: From Genes to Circuits. **2006**, 1-10
- 198 Brain Mapping for Neurosurgery and Cognitive Neuroscience. **2006**, 139-182
- 197 Magnetic Resonance Imaging. **2006**, 12-1-12-39
- 196 Network-Related Challenges and Insights from Neuroscience. **2008**, 67-78 2
- 195 Read my mind. **2008**, 4, S17-S17

194 Computational neuroimaging: monitoring reward learning with blood flow. **2009**, 229-247

193 The Basics of Functional Magnetic Resonance Imaging. **2009**, 39-62

o

192 Selection of Optimal Pulse Sequences for fMRI. **2009**, 69-108

191 The Influence of Astrocyte Activation on Hemodynamic Signals for Functional Brain Imaging. **2009**, 45-64

190 Functional Magnetic Resonance Imaging in Drug Development. **2010**, 67-89

189 Functional MRI Studies in Aging and Early Alzheimer's Disease: Predicting Clinical Decline. **2009**, 293-304

188 Spatial Resolution of fMRI Techniques. **2010**, 15-21

187 Press Button Solutions. **2010**, 43-48

186 A Modified High Speed Hopfield Neural Model for Perfect Calculation of Magnetic Resonance Spectroscopy. **2010**, 158-177

185 Brain Imaging in Behavioral Medicine and Clinical Neuroscience: An Introduction. **2011**, 1-9

1

184 Functional MRI Studies in Ageing and Early Alzheimer's Disease. **2010**, 437-445

183 Function images are visualized with magnetic resonance imaging (MRI). **2011**, 114, 670-671

182 Funktionelle Magnetresonanztomographie. **2011**, 275-291

181 Introduction to Susceptibility Weighted Imaging. 1-16

180 Brain Mapping for Neurosurgery and Cognitive Neuroscience. **2011**, 513-543

179 Functional Neuroradiology of Traumatic Brain Injury. **2011**, 229-246

178 Functional Susceptibility Weighted Magnetic Resonance Imaging. 561-575

177 Introduction. **2011**, 1-4

- 176 Resection of Brain Lesions: Use of Preoperative Functional Magnetic Resonance Imaging and Diffusion Tensor Tractography. **2012**, 227-240
- 175 Reward Processing. 105-129
- 174 fMRI Using Exogenous Agents and Cerebral Blood Volume Contrast. **2012**, 547-592
- 173 Imaging of Brain Function Using Deoxyhemoglobin and Magnetic Fields. **2012**, 501-545 2
- 172 EEG: Theoretical Background and Practical Aspects. **2012**, 197-212 0
- 171 Pediatric Neuroimaging. **2012**, e151-e184
- 170 Imaging Blood Circulation Using Nuclear Magnetic Resonance. 349-385
- 169 Neuroscience. 592-609
- 168 Magnetic Resonance Imaging. **2012**, 1-38
- 167 Long-Term Memory Neural Circuits, Fast and Precise. **2013**, 131-149
- 166 Multimodal Neuroimaging to Visualize Human Visual Processing. **2013**, 274-282
- 165 Spatial Resolution of fMRI Techniques. **2013**, 17-24 0
- 164 Neuroscience. 592-609
- 163 fMRI and Nanotechnology. **2013**, 387-438
- 162 Statistical Methods for fMRI Activation and Effective Connectivity Studies. **2014**, 647-672
- 161 Structural and Functional Magnetic Resonance Imaging. **2014**, 1-12
- 160 Functional Anatomy. **2014**, 0
- 159 The Rise of Cognition. **2014**, 35-63

158 Clinical Utility of Prominent Hypointense Signals in the Draining Veins on Susceptibility-Weighted Imaging in Acute Cerebral Infarct: As a Marker of Penumbra and a Predictor of Prognosis. **2014**, 18, 332

157 Electroneurophysiology and Brain Functional Imaging for Brain-Machine-Interface. **2014**, 267-286

156 De neurale architectuur van het menselijk taalvermogen. **2014**, 67-96

155 Measurement and Analysis of Cognitive Brain Functions for Early Detection of Alzheimer's Disease. **2014**, 21, 1-7

154 Diagnostic Imaging of Brain Function and Metabolism by Magnetic Resonance Methods. **1994**, 15-42

153 Functional Magnetic Resonance Imaging of the Central Nervous System. **1994**, 3-13

152 Microcirculation and Perfusion. **1994**, 43-55

151 Fast Imaging and Serial Scanning. **1994**, 287-290

150 NMR Studies of Brain Activation. **1994**, 291-298

149 NMR Imaging of Laboratory Mice at 2 Tesla: A Non-invasive Insight into Normal Anatomy. **1994**, 22, 255-268

148 Magnetic Resonance Imaging of Cerebral Blood Flow**The Pittsburgh NMR Center for Biomedical Research was established by grants from the Richard King Mellon Foundation, the Lucille P. Markey Charitable Trust, the Ben Franklin Partnership Program of the Commonwealth of Pennsylvania, and the Ralph M. Parsons Foundation. The work described was supported by a National Institutes of Health Division of Research Resources Award RR-03631 to the Pittsburgh NMR Center for Biomedical Research. NIH Research Career Award 1995-443-473

147 fMRI Brain Mapping: Clinical Applications of Functional Magnetic Resonance Imaging**I thank all our colleagues at the MGH-NMR Center, particularly Drs. Aronen, Benson, Breiter, Chesler, Cohen, Jiang, Kennedy, Kosslyn, Tootell, Weisskoff, and Brady. This work was supported by grants from General Electric, Human Frontiers Science Program, Organization for Medical Research, Cumulative Knowledge, and the National Institutes of Health. **1995**, 443-473

146 Detection of Brain Activation from MRI Data by Likelihood-Ratio Test. **1995**, 341-350

145 Assessing Higher Order Functions of the Cerebral Cortex Using Functional MRI: The Working Memory Function of Prefrontal Cortex as a Case Study. **1995**, 509-517

144 High Resolution Studies of Oxygen, Carbogen and Carbon Dioxide in the Brain with Supporting Findings from Peripheral Muscle. **1996**, 36-40

143 Integrating Competing Technologies with MEG. **1996**, 491-516

142 Functional Magnetic Resonance Imaging Using Photic and Motor Stimulation: Comparison of Results Obtained at 1.0 T and 1.5 T. **1996**, 45-48

141 Functional Magnetic Resonance Imaging. **1996**, 299-330

- 140 Brain T₂ Dynamic MRI Using HASTE Sequence. **1997**, 53, 1111-1115
- 139 4. Technical Problems in Measurement of Cerebral Blood Flow with MRI : Functional Brain Mapping Using MRI(Problems in Measuring Cerebral Blood Flow). **1997**, 53, 519-522
- 138 Probabilistische Relaxation zur Segmentierung aktivierter Hirnregionen in fMRT-Daten. **1997**, 323-330 1
- 137 An evaluation of the auditory cortex response to simple non - speech stimuli through functional MRI. **1997**, 219-224
- 136 PET, MRI, and MRS for imaging of functional brain disorders. **1997**, 11-22
- 135 Magnetic resonance: a multimodal approach to the brain?. **1997**, 50, 3-8
- 134 Funktionelle MRT (fMRT). **1997**, 797-827
- 133 Mapping Neovascularization and Antineovascularization Therapy. **1998**, 459-473
- 132 Echo-Planar Imaging on Small-Bore Systems. **1998**, 545-566
- 131 Children who forget to breathe: the physiological enigma of the congenital central hypoventilation syndrome. **1998**, 65-74
- 130 Study of Imaging Parameters for Three-dimensional Functional MRI Using Echo Planar Imaging. **1998**, 54, 7-11
- 129 Research Issues Using Echo-Planar Imaging for Functional Brain Imaging. **1998**, 531-543 1
- 128 BASIC CONCEPTS OF FUNCTIONAL MAGNETIC RESONANCE IMAGING AND ARTERIOVENOUS MALFORMATIONS. **1998**, 6, 801-810 2
- 127 De neurale architectuur van het menselijk taalvermogen. **1999**, 57-74
- 126 Central Nervous System. **1999**, 195-218
- 125 Contrast Mechanisms in MRI*. **1999**, 404-413
- 124 Brain Imaging in Normal Aging and in Alzheimer's Disease. **1999**, 182-206
- 123 FUNCTIONAL MR IMAGING. **1999**, 7, 765-782 3

122 Central self-regulation mechanisms: fMRI study. **2014**, 10, 21-31

121 Principles of BOLD Functional MRI. **2015**, 3-16

120 Brain Mapping for Neurosurgery and Cognitive Neuroscience. **2015**, 301-342

119 Spatial, Temporal Resolution and Signal-to-Noise Ratio. **2015**, 41-62

1

118 Magnetresonanztomographie (MRT) –Komponenten und Methoden. **2015**, 1-22

117 The Road to fMRI Using Endogenous MR Blood Contrast. **2015**, 19-23

116 Pulse Sequences for fMRI. **2015**, 131-162

1

115 The Birth of Functional MRI at the Medical College of Wisconsin. **2015**, 11-18

114 Principles of Magnetic Resonance Imaging. **2015**, 121-144

113 Biomagnetic Measurements. **2015**, 89-120

112 Functional Imaging: Magnetic Resonance Imaging. **2016**, 1-28

111 Magnetresonanztomographie (MRT). **2017**, 323-344

110 Statistical Methods in the Frequency Domain. **2017**, 385-471

109 Development of Neurofeedback Training Method on Emotional Regulation with Real-Time fMRI. **2017**, 9, 72-75

108 Functional MRI at 3.0 Tesla. **2017**, 145-151

107 Experimental Models of Brain Disease: MRI Contrast Mechanisms for the Assessment of Pathophysiological Status. **2017**, 1-30

106 The Use of nrTMS Data for Tractography of Language Networks. **2017**, 151-165

1

105 Encyclopedia of Clinical Neuropsychology. **2017**, 1-8

- 104 Der Aufstieg der Kognition. **2018**, 55-94
- 103 Magnetresonanztomographie und -spektroskopie. **2018**, 205-283
- 102 Encyclopedia of Clinical Neuropsychology. **2018**, 2996-3004
- 101 Experimental Models of Brain Disease: MRI Contrast Mechanisms for the Assessment of Pathophysiological Status. **2018**, 63-92
- 100 MODERN POSSIBILITIES OF FUNCTIONAL MAGNETIC RESONANCE IMAGING IN NEUROIMAGING. **2018**, 7-16 1
- 99 Optimization of fMRI Analysis of Speech Areas in Pre- and Postoperative Diagnostics. **2018**, 133, 728-730 1
- 98 A critical assessment of data quality and venous effects in ultra-high-resolution fMRI. 1
- 97 Challenges and perspectives of quantitative functional sodium imaging (fNaI).
- 96 Towards fast and reliable simultaneous EEG-fMRI analysis of epilepsy with automatic spike detection.
- 95 Detection and Analysis of Human Brain Disorders. **2019**, 717-726 0
- 94 ? Principles of Magnetic Resonance Imaging. **2018**, 142-165
- 93 Presurgical Localization of Language Regions and Their Networks. **2019**, 1079-1098
- 92 Presurgical Localization of Language Regions and Their Networks. **2019**, 1-20
- 91 Role of imaging in Alzheimer's disease. **2019**, 12, 106
- 90 Relative Concentration of Brain Iron (rcFe) Derived from Standard Functional MRI. 1
- 89 The thermodynamics of thinking: connections between neural activity, energy metabolism and blood flow.
- 88 TDM: a temporal decomposition method for removing venous effects from task-based fMRI.
- 87 Spatial Resolution of fMRI Techniques. **2020**, 65-72 0

- 86 Data Analysis Method for Neuroimaging Data: Task-Related Component Analysis and Its Applications to fNIRS Data. **2020**, 149-173
- 85 Arterial blood contrast (ABC) enabled by magnetization transfer (MT): a novel MRI technique for enhancing the measurement of brain activation changes. **1**
- 84 Experimental and Preclinical Tools to Explore the Main Neurological Impacts of Brain Irradiation: Current Insights and Perspectives. **2021**, 239-261
- 83 Supraspinal sensorimotor and pain-related reorganization after a hemiconfusion rat cervical spinal cord injury. **2021**, **1**
- 82 Prediction of Alzheimer's Disease Progression Based on Magnetic Resonance Imaging. **2021**, 12, 4209-4223 **2**
- 81 Navigated rTMS for Mapping the Language Network in Preoperative Settings: Current Status and Future Prospects. **2020**, 177-204
- 80 Encyclopedia of Behavioral Medicine. **2020**, 905-907
- 79 Advanced fetal MRI. **2021**, 2, 113-127
- 78 Breath-Hold Cerebrovascular Reactivity Mapping for Neurovascular Uncoupling Assessment in Primary Gliomas. **2022**, 167-183
- 77 Magnetic Resonance Imaging for Radiotherapy Planning. **2006**, 99-111 **3**
- 76 Animal Models in Functional Magnetic Resonance Imaging. **2008**, 483-498
- 75 Functional MRI. **2008**, 1291-1321
- 74 Soziale Kognition & Bildung. **2008**, 357-366
- 73 Modeling the hemodynamic response function using simultaneous EEG-fMRI data and convolutional sparse coding analysis with rank-1 constraints. **0**
- 72 Magnetic resonance spectroscopy and imaging methods for measuring tumour and tissue oxygenation. **1996**, 27, S226-31 **7**
- 71 Assessment of myocardial oxygenation with MRI. **2013**, 3, 67-72 **1**
- 70 Image homogenization using pre-emphasis method for high field MRI. **2013**, 3, 217-23 **6**
- 69 MR blood oxygenation level-dependent signal differences in parenchymal and large draining vessels: implications for functional MR imaging. **1999**, 20, 1907-14 **35**

68	Visualizing brain activation during planning: the tower of London test adapted for functional MR imaging. 2000 , 21, 1407-14	72
67	The role of functional MR imaging in patients with ischemia in the visual cortex. 2001 , 22, 1043-9	13
66	MR imaging visualization of the cerebral microvasculature: a comparison of live and postmortem studies at 8 T. 2003 , 24, 1881-4	18
65	The mind's eye: functional MR imaging evaluation of golf motor imagery. 2003 , 24, 1036-44	55
64	Method for quantitatively evaluating the lateralization of linguistic function using functional MR imaging. 2001 , 22, 985-91	44
63	Biomedical techniques in cellular and molecular diagnostics: Journey so far and the way forward. 2022 , 1-12	
62	Myocardial blood flow is the dominant factor influencing cardiac magnetic resonance adenosine stress T2. 2021 , e4643	1
61	It Is Time to Study Overlapping Molecular and Circuit Pathophysiologies in Alzheimer's and Lewy Body Disease Spectra. 2021 , 15, 777706	2
60	Improved spatio-temporal measurements of visually evoked fields using optically-pumped magnetometers. 2021 , 11, 22412	0
59	Dependency of R and R * relaxation on Gd-DTPA concentration in arterial blood: Influence of hematocrit and magnetic field strength. 2021 , e4653	
58	Imaging of Cerebral Microbleeds: Primary Patterns and Differential Diagnosis. 2021 , 9, 1	
57	Pursuit of precision medicine: Systems biology approaches in Alzheimer's disease mouse models. 2021 , 161, 105558	3
56	Assessment of Human Brain Using MRI. 2022 , 25-58	
55	Task-Based Presurgical Functional MRI in Patients with Brain Tumors. 2022 , 121-195	0
54	Brain Imaging Biomarkers for Chronic Pain.. 2021 , 12, 734821	1
53	????????????fMRI???. 2021 , 45, 21-29	
52	Advances in Imaging Modalities and Contrast Agents for the Early Diagnosis of Colorectal Cancer.. 2021 , 17, 558-581	2
51	Simultaneous detection of metabolite concentration changes, water BOLD signal and pH changes during visual stimulation in the human brain at 9.4T.. 2022 , 271678X221075892	1

- 50 Alteration of segregation of brain systems in the severe depressive disorder after electroconvulsive therapy. **2022**, 7, 100299
- 49 Towards Completely Sampled Extracellular Neural Recording during fMRI.. **2022**, PP, 1
- 48 An ode to fetal, infant, and toddler neuroimaging: Chronicling early clinical to research applications with MRI, and an introduction to an academic society connecting the field.. **2022**, 54, 101083 0
- 47 Dynamic variations of resting-state BOLD signal spectra in white matter.. **2022**, 250, 118972
- 46 Generation of a Flat-Top Magnetic Field With Multiple-Capacitor Power Supply. **2022**, 10, 35550-35560 0
- 45 Evaluation of Preprocessing for Functional Magnetic Resonance Imaging Brain Networks. **2022**,
- 44 Longitudinal manganese-enhanced magnetic resonance imaging of neural projections and activity.. **2022**, e4675
- 43 Neural decoding of semantic concepts: A systematic literature review.. **2022**, 1
- 42 Simultaneous EEG-fMRI: What Have We Learned and What Does the Future Hold?. **2022**, 22, 2
- 41 Hybrid fiber optic-fMRI for multimodal cell-specific recording and manipulation of neural activity in rodents.. *Neurophotonics*, **2022**, 9, 032206 3.9 0
- 40 Toward Sensibility Evaluation of Effects of Environment Using fNIRS Neuroimaging. **2022**, 20, 14-23
- 39 Transcranial Doppler studies in Type 2 Diabetes mellitus: A systematic review.. **2022**, 109808 1
- 38 Brain Model Based on the Canonical Ensemble with Functional MRI: A Thermodynamic Exploration of the Neural System. **2021**, 2021, 1-12
- 37 Myocardial Tissue Oxygenation and Microvascular Blood Volume Measurement Using a Contrast Blood Oxygenation Level-Dependent Imaging Model.. **2022**,
- 36 Data_Sheet_1.pdf. **2020**,
- 35 Data_Sheet_1.pdf. **2020**,
- 34 Fiber-based lactate recordings with fluorescence resonance energy transfer sensors by applying an magnetic resonance-informed correction of hemodynamic artifacts.. *Neurophotonics*, **2022**, 9, 032212 3.9 0
- 33 fMRI identifies a network of structures correlated with retention of positive and negative emotional memory. *Cognitive, Affective and Behavioral Neuroscience*, **1999**, 27, 441-452 32

32	Acupuncture mechanism studies employing task-based fMRI: a scoping review protocol. <i>Systematic Reviews</i> , 2022 , 11,	3
31	What has vision science taught us about functional MRI?. 2022 , 261, 119536	1
30	Turning OPM-MEG into a Wearable Technology. 2022 , 195-223	0
29	Components of language processing and their long-term and working memory storage in the brain. 2022 , 109-126	0
28	Functional MRI in RadiologyâA Personal Review. 2022 , 10, 1646	0
27	The current status and trend of the functional magnetic resonance combined with stimulation in animals. 16,	0
26	Lateralized Supraspinal Functional Connectivity Correlate with Pain and Motor Dysfunction in Rat Hemiconfusion Cervical Spinal Cord Injury. 2022 , 3, 421-432	0
25	Functional Imaging: Magnetic Resonance Imaging. 2022 , 3323-3349	0
24	Visualization of the Dynamic Brain Activation Pattern during a Decision-Making Task. 2022 , 12, 1468	0
23	Graph Analysis of Functional Connectivity Rs-fMRI in Healthy and Epileptic Brain Using Visibility Algorithm. 2023 , 27-36	0
22	Larmor frequency shift from magnetized cylinders with arbitrary orientation distribution.	0
21	Neural Patterns of Emotions in EEG and fMRI. 2022 , 77-92	0
20	Reconstruction of time-shifted hemodynamic response. 2022 , 12,	0
19	Agreement between multiparametric MRI (PIVOT), Doppler ultrasound, and near-infrared spectroscopy-based assessments of skeletal muscle oxygenation and perfusion. 2022 ,	0
18	Morphological and functional brain changes in chronic cancer-related pain: A systematic review.	0
17	Optimization Design of the Flat-Top High Magnetic Field Powered by Two Multiple-Capacitor Power Supplies. 2022 ,	0
16	Assessing Antigen-Adjuvant Complex Stability Against Physical Stresses By wNMR.	0
15	PET/MR imaging of inflammation in atherosclerosis.	0

- 14 Sex-Specific Brain Activations during Single-Leg Exercise. **2022**, 17,
- 13 The Noninvasive Evaluation for Minimally Invasive Pediatric Epilepsy Surgery (MIPES): A Multimodal Exploration of the Localization-Based Hypothesis.
- 12 EPR and Related Magnetic Resonance Imaging Techniques in Cancer Research. **2023**, 13, 69
- 11 Changes in hemodynamic response function components reveal specific changes in neurovascular coupling in type 2 diabetes. 13,
- 10 Functional magnetic resonance imaging of headache: Issues, best-practices, and new directions, a narrative review. **2023**, 63, 309-321
- 9 Impact of insulin and insulin resistance on brain dopamine signalling and reward processing: an underexplored mechanism in the pathophysiology of depression?. **2023**, 105179
- 8 Combining arterial blood contrast with BOLD increases fMRI intracortical contrast. **2023**, 44, 2509-2522
- 7 The impact of vasomotion on analysis of rodent fMRI data. 17,
- 6 Tale of Two Cities: narrative review of oxygen. 12, 246
- 5 Vascular-centric mapping of in vivo blood oxygen saturation in preclinical models. **2023**, 148, 104518
- 4 Altered nucleus accumbens functional connectivity precedes apathy in Parkinson's disease.
- 3 Layer Dependence of Monocular and Binocular Responses in Human Ocular Dominance Columns at 7T using VASO and BOLD.
- 2 The Basics of Functional Magnetic Resonance Imaging. **2022**, 49-77
- 1 Spatial distribution of hand-grasp motor task activity in spinal cord functional magnetic resonance imaging.