

Qing X Yang

List of Publications by Year in descending order

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Version: 2024-02-01

98
papers

4,156
citations

109137

35
h-index

123241

61
g-index

103
all docs

103
docs citations

103
times ranked

5146
citing authors

#	ARTICLE	IF	CITATIONS
1	Spatial variation in cartilage T2 of the knee. <i>Journal of Magnetic Resonance Imaging</i> , 2001, 14, 50-55.	1.9	274
2	Analysis of wave behavior in lossy dielectric samples at high field. <i>Magnetic Resonance in Medicine</i> , 2002, 47, 982-989.	1.9	225
3	Central brightening due to constructive interference with, without, and despite dielectric resonance. <i>Journal of Magnetic Resonance Imaging</i> , 2005, 21, 192-196.	1.9	206
4	Combined R2* and Diffusion Tensor Imaging Changes in the Substantia Nigra in Parkinson's Disease. <i>Movement Disorders</i> , 2011, 26, 1627-1632.	2.2	163
5	Olfactory deficit detected by fMRI in early Alzheimer's disease. <i>Brain Research</i> , 2010, 1357, 184-194.	1.1	153
6	MRI and histological analysis of beta-amyloid plaques in both human Alzheimer's disease and APP/PS1 transgenic mice. <i>Journal of Magnetic Resonance Imaging</i> , 2009, 29, 997-1007.	1.9	150
7	Manipulation of image intensity distribution at 7.0 T: Passive RF shimming and focusing with dielectric materials. <i>Journal of Magnetic Resonance Imaging</i> , 2006, 24, 197-202.	1.9	127
8	Removal of local field gradient artifacts in T2*-weighted images at high fields by gradient-echo slice excitation profile imaging. <i>Magnetic Resonance in Medicine</i> , 1998, 39, 402-409.	1.9	120
9	Functional Magnetic Resonance Imaging Study of Human Olfaction and Normal Aging. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2005, 60, 510-514.	1.7	117
10	Multi-gradient echo with susceptibility inhomogeneity compensation (MGESIC): Demonstration of fMRI in the olfactory cortex at 3.0 T. <i>Magnetic Resonance in Medicine</i> , 1997, 37, 331-335.	1.9	114
11	Efficacy of interleukin-13 receptor-targeted liposomal doxorubicin in the intracranial brain tumor model. <i>Molecular Cancer Therapeutics</i> , 2009, 8, 648-654.	1.9	110
12	Imaging nigral pathology and clinical progression in Parkinson's disease. <i>Movement Disorders</i> , 2012, 27, 1636-1643.	2.2	107
13	Olfactory Cortex Degeneration in Alzheimer's Disease and Mild Cognitive Impairment. <i>Journal of Alzheimer's Disease</i> , 2015, 45, 947-958.	1.2	106
14	Three-dimensional mapping of the static magnetic field inside the human head. <i>Magnetic Resonance in Medicine</i> , 1996, 36, 705-714.	1.9	95
15	Numerical calculations of the static magnetic field in three-dimensional multi-tissue models of the human head. <i>Magnetic Resonance Imaging</i> , 2002, 20, 413-424.	1.0	84
16	Interhemispheric Functional and Structural Disconnection in Alzheimer's Disease: A Combined Resting-State fMRI and DTI Study. <i>PLoS ONE</i> , 2015, 10, e0126310.	1.1	84
17	Altered mechanisms of sympathetic activation during rhythmic forearm exercise in heart failure. <i>Journal of Applied Physiology</i> , 1998, 84, 1551-1559.	1.2	80
18	Polarization of the RF field in a human head at high field: A study with a quadrature surface coil at 7.0 T. <i>Magnetic Resonance in Medicine</i> , 2002, 48, 362-369.	1.9	76

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19	Postmortem and imaging based analyses reveal CNS decreased myelination in restless legs syndrome. <i>Sleep Medicine</i> , 2011, 12, 614-619.	0.8	72
20	Olfactory Dysfunction Mediates Adiposity in Cognitive Impairment of Type 2 Diabetes: Insights From Clinical and Functional Neuroimaging Studies. <i>Diabetes Care</i> , 2019, 42, 1274-1283.	4.3	66
21	Reducing SAR and enhancing cerebral signal-to-noise ratio with high permittivity padding at 3 T. <i>Magnetic Resonance in Medicine</i> , 2011, 65, 358-362.	1.9	62
22	Default mode network differences between rigidity- and tremor-predominant Parkinson's disease. <i>Cortex</i> , 2016, 81, 239-250.	1.1	61
23	Developmental shifts in fMRI activations during visuospatial relational reasoning. <i>Brain and Cognition</i> , 2009, 69, 1-10.	0.8	58
24	MRI evaluation of asymmetry of nigrostriatal damage in the early stage of early-onset Parkinson's disease. <i>Parkinsonism and Related Disorders</i> , 2015, 21, 590-596.	1.1	56
25	Central Olfactory Dysfunction in Alzheimer's Disease and Mild Cognitive Impairment: A Functional MRI Study. <i>Journal of Alzheimer's Disease</i> , 2017, 59, 359-368.	1.2	50
26	MRI contrast agent for targeting glioma: interleukin-13 labeled liposome encapsulating gadolinium-DTPA. <i>Neuro-Oncology</i> , 2016, 18, 691-699.	0.6	48
27	Radiofrequency field enhancement with high dielectric constant (HDC) pads in a receive array coil at 3.0T. <i>Journal of Magnetic Resonance Imaging</i> , 2013, 38, 435-440.	1.9	44
28	Margin-Maximizing Feature Elimination Methods for Linear and Nonlinear Kernel-Based Discriminant Functions. <i>IEEE Transactions on Neural Networks</i> , 2010, 21, 701-717.	4.8	43
29	Successful chemoimmunotherapy against hepatocellular cancer in a novel murine model. <i>Journal of Hepatology</i> , 2017, 66, 75-85.	1.8	43
30	The effect of iron in MRI and transverse relaxation of amyloid-beta plaques in Alzheimer's disease. <i>NMR in Biomedicine</i> , 2015, 28, 297-305.	1.6	41
31	A Method for Accurate Calculation of B1 Fields in Three Dimensions. Effects of Shield Geometry on Field Strength and Homogeneity in the Birdcage Coil. <i>Journal of Magnetic Resonance</i> , 1997, 125, 233-241.	1.2	40
32	Reduction of magnetic field inhomogeneity artifacts in echo planar imaging with SENSE and GESEPI at high field. <i>Magnetic Resonance in Medicine</i> , 2004, 52, 1418-1423.	1.9	40
33	Permittivity and performance of dielectric pads with sintered ceramic beads in MRI: early experiments and simulations at 3 T. <i>Magnetic Resonance in Medicine</i> , 2013, 70, 269-275.	1.9	40
34	Networks involved in olfaction and their dynamics using independent component analysis and unified structural equation modeling. <i>Human Brain Mapping</i> , 2014, 35, 2055-2072.	1.9	40
35	Cortical iron regulation and inflammatory response in Alzheimer's disease and APPSWE/PS1 ^{E9} mice: a histological perspective. <i>Frontiers in Neuroscience</i> , 2015, 9, 255.	1.4	39
36	Altered Odor-Induced Brain Activity as an Early Manifestation of Cognitive Decline in Patients With Type 2 Diabetes. <i>Diabetes</i> , 2018, 67, 994-1006.	0.3	39

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37	An MRI-Derived Definition of MCI-to-AD Conversion for Long-Term, Automatic Prognosis of MCI Patients. <i>PLoS ONE</i> , 2011, 6, e25074.	1.1	38
38	Functional Connectivity between the Resting-State Olfactory Network and the Hippocampus in Alzheimer's Disease. <i>Brain Sciences</i> , 2019, 9, 338.	1.1	37
39	RF coil optimization: Evaluation of B1 field homogeneity using field histograms and finite element calculations. <i>Magnetic Resonance Imaging</i> , 1994, 12, 1079-1087.	1.0	36
40	Dietary lipophilic iron alters amyloidogenesis and microglial morphology in Alzheimer's disease knock-in APP mice. <i>Metallomics</i> , 2018, 10, 426-443.	1.0	33
41	Direct magnetic resonance imaging of histological tissue samples at 3.0T. <i>Magnetic Resonance in Medicine</i> , 2007, 57, 835-841.	1.9	32
42	Phantom design method for high-field MRI human systems. <i>Magnetic Resonance in Medicine</i> , 2004, 52, 1016-1020.	1.9	31
43	Ischemic exercise and the muscle metaboreflex. <i>Journal of Applied Physiology</i> , 2000, 89, 1432-1436.	1.2	28
44	Augmented sympathetic tone alters muscle metabolism with exercise: lack of evidence for functional sympatholysis. <i>Journal of Applied Physiology</i> , 1997, 82, 1932-1938.	1.2	27
45	Rapidly acquired multisensory association in the olfactory cortex. <i>Brain and Behavior</i> , 2015, 5, e00390.	1.0	26
46	Interphalangeal Joint Cartilage: High-Spatial-Resolution in Vivo MR T2 Mapping—A Feasibility Study. <i>Radiology</i> , 2004, 233, 292-296.	3.6	25
47	Methods for olfactory fMRI studies: Implication of respiration. <i>Human Brain Mapping</i> , 2014, 35, 3616-3624.	1.9	25
48	Two dimensional prolate spheroidal wave functions for MRI. <i>Journal of Magnetic Resonance</i> , 2002, 158, 43-51.	1.2	24
49	Lexical-Semantic Search Under Different Covert Verbal Fluency Tasks: An fMRI Study. <i>Frontiers in Behavioral Neuroscience</i> , 2017, 11, 131.	1.0	24
50	Improvements of transmit efficiency and receive sensitivity with ultrahigh dielectric constant (uHDC) ceramics at 1.5 T and 3 T. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 2842-2851.	1.9	24
51	Involvement of the central somatosensory system in restless legs syndrome. <i>Neurology</i> , 2018, 90, e1834-e1841.	1.5	23
52	Disruptions of the olfactory and default mode networks in Alzheimer's disease. <i>Brain and Behavior</i> , 2019, 9, e01296.	1.0	23
53	Preliminary evidence for differential olfactory and trigeminal processing in combat veterans with and without PTSD. <i>NeuroImage: Clinical</i> , 2018, 17, 378-387.	1.4	22
54	Microimaging at 14 Tesla Using GESEPI for Removal of Magnetic Susceptibility Artifacts in T2*-Weighted Image Contrast. <i>Journal of Magnetic Resonance</i> , 1999, 141, 1-6.	1.2	21

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55	A generalization of the two-dimensional prolate spheroidal wave function method for nonrectilinear MRI data acquisition methods. <i>IEEE Transactions on Image Processing</i> , 2006, 15, 2792-2804.	6.0	20
56	Default mode network deactivation during odorâ€“visual association. <i>Human Brain Mapping</i> , 2017, 38, 1125-1139.	1.9	20
57	Intrinsic intranasal chemosensory brain networks shown by resting-state functional MRI. <i>NeuroReport</i> , 2016, 27, 527-531.	0.6	19
58	Improved wholeâ€“brain SNR with an integrated highâ€“permittivity material in a head array at 7T. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 1167-1174.	1.9	19
59	A largeâ€“scale measurement of dielectric properties of normal and malignant colorectal tissues obtained from cancer surgeries at Larmor frequencies. <i>Medical Physics</i> , 2016, 43, 5991-5997.	1.6	18
60	Muscle oxygenation during dynamic plantar flexion exercise: combining <sc>BOLD MRI</sc> with traditional physiological measurements. <i>Physiological Reports</i> , 2016, 4, e13004.	0.7	18
61	Increased R2* in the Caudate Nucleus of Asymptomatic Welders. <i>Toxicological Sciences</i> , 2016, 150, 369-377.	1.4	18
62	A Room Temperature Ultrasensitive Magnetoelectric Susceptometer for Quantitative Tissue Iron Detection. <i>Scientific Reports</i> , 2016, 6, 29740.	1.6	18
63	Serum Cholesterol and Nigrostriatal R2* Values in Parkinson's Disease. <i>PLoS ONE</i> , 2012, 7, e35397.	1.1	17
64	Effects of forearm bier block with bretylium on the hemodynamic and metabolic responses to handgrip. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2000, 279, H586-H593.	1.5	15
65	Maturational and Aging Effects on Human Brain Apparent Transverse Relaxation. <i>PLoS ONE</i> , 2012, 7, e31907.	1.1	14
66	Detectability and reproducibility of the olfactory fMRI signal under the influence of magnetic susceptibility artifacts in the primary olfactory cortex. <i>NeuroImage</i> , 2018, 178, 613-621.	2.1	14
67	Toward wholeâ€“cortex enhancement with an ultrahigh dielectric constant helmet at 3T. <i>Magnetic Resonance in Medicine</i> , 2020, 83, 1123-1134.	1.9	14
68	Different patterns of age-related central olfactory decline in men and women as quantified by olfactory fMRI. <i>Oncotarget</i> , 2017, 8, 79212-79222.	0.8	14
69	Early Aging Effect on the Function of the Human Central Olfactory System. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2016, 72, glw104.	1.7	13
70	Large improvement of RF transmission efficiency and reception sensitivity for human in vivo 31 P MRS imaging using ultrahigh dielectric constant materials at 7 T. <i>Magnetic Resonance Imaging</i> , 2017, 42, 158-163.	1.0	12
71	Age-related resting-state functional connectivity in the olfactory and trigeminal networks. <i>NeuroReport</i> , 2017, 28, 943-948.	0.6	11
72	Cerebral plasticity and recovery of function after childhood prefrontal cortex damage. <i>Developmental Neurorehabilitation</i> , 2009, 12, 298-312.	0.5	10

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73	Hexagonal zero mode TEM coil: A single-channel coil design for imaging multiple small animals. <i>Magnetic Resonance in Medicine</i> , 2005, 53, 1150-1157.	1.9	9
74	Volume of interest-based fourier transform method for calculation of static magnetic field maps from susceptibility distributions. <i>Magnetic Resonance in Medicine</i> , 2016, 75, 2473-2480.	1.9	9
75	Dynamic characteristics of T2*-weighted signal in calf muscles of peripheral artery disease during low-intensity exercise. <i>Journal of Magnetic Resonance Imaging</i> , 2017, 46, 40-48.	1.9	9
76	The fMRI BOLD response to unisensory and multisensory smoking cues in nicotine-dependent adults. <i>Psychiatry Research - Neuroimaging</i> , 2015, 234, 321-327.	0.9	8
77	Dietary lipophilic iron accelerates regional brain iron-load in C57BL6 mice. <i>Brain Structure and Function</i> , 2018, 223, 1519-1536.	1.2	8
78	Reduced white matter MRI transverse relaxation rate in cognitively normal H63D-HFE human carriers and H67D-HFE mice. <i>Brain Imaging and Behavior</i> , 2016, 10, 1231-1242.	1.1	7
79	Tunable Ultrahigh Dielectric Constant (tuHDC) Ceramic Technique to Largely Improve RF Coil Efficiency and MR Imaging Performance. <i>IEEE Transactions on Medical Imaging</i> , 2020, 39, 3187-3197.	5.4	7
80	A Free-breathing fMRI Method to Study Human Olfactory Function. <i>Journal of Visualized Experiments</i> , 2017, , .	0.2	6
81	The exercise pressor reflex and active O ₂ transport in peripheral arterial disease. <i>Physiological Reports</i> , 2019, 7, e14243.	0.7	6
82	Magnetic Susceptibility Effects in High Field MRI. , 2006, , 249-284.		6
83	Displacement current distribution on a high dielectric constant helmet and its effect on RF field at 10.5 T (447 MHz). <i>Magnetic Resonance in Medicine</i> , 2021, 86, 3292-3303.	1.9	5
84	Reduced Cerebral White Matter Integrity Assessed by DTI in Cognitively Normal H63D-HFE Polymorphism Carriers. <i>Journal of Neuroimaging</i> , 2018, 28, 126-133.	1.0	3
85	Diffusion tensor imaging indices of acute muscle damage are augmented after exercise in peripheral arterial disease. <i>European Journal of Applied Physiology</i> , 2021, 121, 2595-2606.	1.2	3
86	High frequency dielectric materials for medicine and telecommunications. <i>Japanese Journal of Applied Physics</i> , 2021, 60, SF0801.	0.8	3
87	An ultrasensitive magnetoelectric sensor system for the quantitative detection of liver iron. , 2016, 2016, .		2
88	Renal medullary oxygenation decreases with lower body negative pressure in healthy young adults. <i>Journal of Applied Physiology</i> , 2021, 130, 48-56.	1.2	2
89	Evidence from an fMRI study that dessert-flavored e-cigarettes engage taste-related, but not smoking-related, brain circuitry for female daily smokers.. <i>Experimental and Clinical Psychopharmacology</i> , 2022, 30, 947-958.	1.3	2
90	Olfactory Costimulation Influences Intranasal Somatosensory Perception. <i>Multisensory Research</i> , 2020, 33, 723-736.	0.6	1

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91	An Electronic Aerosol Delivery System for Functional Magnetic Resonance Imaging. Substance Abuse: Research and Treatment, 2020, 14, 117822182090414.	0.5	1
92	Improved brain imaging with a head array with integrated high-permittivity material. AIP Conference Proceedings, 2020, , .	0.3	1
93	Acute Muscle Damage Is Augmented After Exercise In PAD Patients: Evidence From Diffusion Tensor Imaging. Medicine and Science in Sports and Exercise, 2020, 52, 802-802.	0.2	1
94	IC-P-088: FUNCTIONAL AND STRUCTURAL DEGENERATIONS OF THE CENTRAL OLFACTORY SYSTEM IN AD AND MCI: AN EARLY MARKER. , 2014, 10, P50-P50.		0
95	IC-P-089: A SENSITIVE FUNCTIONAL EARLY MARKER FOR AD: OLFACTORY FUNCTIONAL CONNECTIVITY. , 2014, 10, P50-P51.		0
96	P4-060: Olfactory fMRI revealed the relationship of ad deficits in olfaction and cognition. , 2015, 11, P789-P790.		0
97	[ICâ€Pâ€11]: OLFACTORY PROCESSING IS HIGHLY COGNITIVELY DEMANDING: SENSITIVE FUNCTIONAL MARKER FOR COGNITIVE DEFICITS AND DEMENTIA IN AD. Alzheimer's and Dementia, 2017, 13, P87.	0.4	0
98	ICâ€Pâ€034: OLFACTORY DEFICITS AND FUNCTIONAL CONNECTIVITY DISRUPTIONS IN PATIENTS WITH SUBJECTIVE COGNITIVE DECLINE (SCD). Alzheimer's and Dementia, 2019, 15, P40.	0.4	0