

Jason C Crane

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,413
citations

430874

18
h-index

610901

24
g-index

25
all docs

25
docs citations

25
times ranked

2022
citing authors

#	ARTICLE	IF	CITATIONS
1	Federated learning for predicting clinical outcomes in patients with COVID-19. <i>Nature Medicine</i> , 2021, 27, 1735-1743.	30.7	300
2	The folding mechanism of a β^2 -sheet: the WW domain. <i>Journal of Molecular Biology</i> , 2001, 311, 373-393.	4.2	297
3	Quantitative apparent diffusion coefficients and T2 relaxation times in characterizing contrast enhancing brain tumors and regions of peritumoral edema. <i>Journal of Magnetic Resonance Imaging</i> , 2005, 21, 701-708.	3.4	154
4	Mapping the transition state of the WW domain β^2 -sheet. <i>Journal of Molecular Biology</i> , 2000, 298, 283-292.	4.2	89
5	SIVIC: Open-Source, Standards-Based Software for DICOM MR Spectroscopy Workflows. <i>International Journal of Biomedical Imaging</i> , 2013, 2013, 1-12.	3.9	74
6	Metabolic Profiling of IDH Mutation and Malignant Progression in Infiltrating Glioma. <i>Scientific Reports</i> , 2017, 7, 44792.	3.3	63
7	A feasibility study of in vivo T1 ρ imaging of the intervertebral disc. <i>Magnetic Resonance Imaging</i> , 2006, 24, 1001-1007.	1.8	47
8	Serial analysis of imaging parameters in patients with newly diagnosed glioblastoma multiforme. <i>Neuro-Oncology</i> , 2011, 13, 546-557.	1.2	40
9	Power estimation for non-standardized multisite studies. <i>NeuroImage</i> , 2016, 134, 281-294.	4.2	36
10	Detection of localized changes in the metabolism of hyperpolarized gluconeogenic precursors ^{13}C -lactate and ^{13}C -pyruvate in kidney and liver. <i>Magnetic Resonance in Medicine</i> , 2017, 77, 1429-1437.	3.0	35
11	Considerations in applying 3D PRESS H-1 brain MRSI with an eight-channel phased-array coil at 3 T. <i>Magnetic Resonance Imaging</i> , 2006, 24, 1295-1302.	1.8	33
12	Stimulated Emission Pumping Spectra and Intramolecular Vibrational Dynamics of DFCO(SO) from 9000 to 20 \times 10 3 cm $^{-1}$. <i>Journal of Physical Chemistry A</i> , 1998, 102, 9433-9444.	2.5	31
13	A clinical comparison of rigid and inflatable endorectal coil probes for MRI and 3D MR spectroscopic imaging (MRSI) of the prostate. <i>Journal of Magnetic Resonance Imaging</i> , 2008, 27, 1077-1082.	3.4	30
14	Hyperpolarized ^{13}C MRI data acquisition and analysis in prostate and brain at University of California, San Francisco. <i>NMR in Biomedicine</i> , 2021, 34, e4280.	2.8	30
15	Vibrational Assignment of the S1 Fluorescence Excitation Spectrum of Formyl Fluoride. <i>Journal of Molecular Spectroscopy</i> , 1997, 181, 56-66.	1.2	26
16	Serial analysis of 3D H-1 MRSI for patients with newly diagnosed GBM treated with combination therapy that includes bevacizumab. <i>Journal of Neuro-Oncology</i> , 2016, 130, 171-179.	2.9	24
17	Unaliasing lipid contamination for MR spectroscopic imaging of gliomas at 3T using sensitivity encoding (SENSE). <i>Magnetic Resonance in Medicine</i> , 2006, 55, 1164-1169.	3.0	21
18	3D sensitivity encoded ellipsoidal MR spectroscopic imaging of gliomas at 3T. <i>Magnetic Resonance Imaging</i> , 2009, 27, 1249-1257.	1.8	21

#	ARTICLE	IF	CITATIONS
19	Three-dimensional J-resolved ^1H magnetic resonance spectroscopic imaging of volunteers and patients with brain tumors at 3T. <i>Magnetic Resonance in Medicine</i> , 2007, 58, 886-892.	3.0	19
20	Vibrational Assignment and Anharmonic Resonance Analysis of the Dispersed Fluorescence and Stimulated Emission Pumping Spectra of DFCO (S0) up to 9000 cm^{-1} . <i>Journal of Molecular Spectroscopy</i> , 1997, 183, 273-284.	1.2	13
21	Fully automated atlas-based method for prescribing 3D PRESS MR spectroscopic imaging: Toward robust and reproducible metabolite measurements in human brain. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 636-642.	3.0	9
22	Grid enabled magnetic resonance scanners for near real-time medical image processing. <i>Journal of Parallel and Distributed Computing</i> , 2006, 66, 1524-1533.	4.1	8
23	Prospective image registration for automated scan prescription of follow-up knee images in quantitative studies. <i>Magnetic Resonance Imaging</i> , 2011, 29, 693-700.	1.8	8
24	Reliable and Reproducible GABA Measurements Using Automated Spectral Prescription at Ultra-High Field. <i>Frontiers in Human Neuroscience</i> , 2017, 11, 506.	2.0	5
25	New laser system for measurements of dissociation rates of small molecules with picosecond temporal resolution. , 1998, 3271, 210.		0