

Fernando O Zelaya

List of Publications by Year in descending order

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Version: 2024-02-01

115
papers

7,092
citations

71102

41
h-index

62596

80
g-index

127
all docs

127
docs citations

127
times ranked

9560
citing authors

#	ARTICLE	IF	CITATIONS
1	Neuronal nitric oxide synthase regulates regional brain perfusion in healthy humans. Cardiovascular Research, 2022, 118, 1321-1329.	3.8	11
2	Areas of cerebral blood flow changes on arterial spin labelling with the use of symmetric template during nitroglycerin triggered cluster headache attacks. NeuroImage: Clinical, 2022, 33, 102920.	2.7	1
3	Relationship between cortical glutamatergic metabolite levels and hippocampal activity in schizotypy. Schizophrenia Research, 2022, 240, 132-134.	2.0	2
4	“Less is more”: A dose-response account of intranasal oxytocin pharmacodynamics in the human brain. Progress in Neurobiology, 2022, 211, 102239.	5.7	18
5	Altered functional connectivity during hypoglycaemia in type 1 diabetes. Journal of Cerebral Blood Flow and Metabolism, 2022, 42, 1451-1462.	4.3	3
6	Intranasal insulin administration decreases cerebral blood flow in cortico-limbic regions: A neuropharmacological imaging study in normal and overweight males. Diabetes, Obesity and Metabolism, 2021, 23, 175-185.	4.4	14
7	Revealing the mechanisms behind novel auditory stimuli discrimination: An evaluation of silent functional MRI using looping star. Human Brain Mapping, 2021, 42, 2833-2850.	3.6	6
8	The effect of risperidone on reward-related brain activity is robust to drug-induced vascular changes. Human Brain Mapping, 2021, 42, 2766-2777.	3.6	4
9	Silent zero TE MR neuroimaging: Current state-of-the-art and future directions. Progress in Nuclear Magnetic Resonance Spectroscopy, 2021, 123, 73-93.	7.5	23
10	Interactions between hippocampal activity and striatal dopamine in people at clinical high risk for psychosis: relationship to adverse outcomes. Neuropsychopharmacology, 2021, 46, 1468-1474.	5.4	25
11	Dopaminergic organization of striatum is linked to cortical activity and brain expression of genes associated with psychiatric illness. Science Advances, 2021, 7, .	10.3	13
12	Localised increase in regional cerebral perfusion in patients with visual snow syndrome: a pseudo-continuous arterial spin labelling study. Journal of Neurology, Neurosurgery and Psychiatry, 2021, 92, 918-926.	1.9	17
13	Restoration of Hypoglycemia Awareness Alters Brain Activity in Type 1 Diabetes. Diabetes Care, 2021, 44, 533-540.	8.6	6
14	Hypoglycemic thalamic activation in type 1 diabetes is associated with preserved symptoms despite reduced epinephrine. Journal of Cerebral Blood Flow and Metabolism, 2020, 40, 787-798.	4.3	14
15	Normalizing the Abnormal: Do Antipsychotic Drugs Push the Cortex Into an Unsustainable Metabolic Envelope?. Schizophrenia Bulletin, 2020, 46, 484-495.	4.3	17
16	T139. OXYTOCIN ENHANCES NEURAL EFFICIENCY IN INFERRING OTHERS’ SOCIAL EMOTIONS IN PEOPLE AT CLINICAL HIGH RISK FOR PSYCHOSIS. Schizophrenia Bulletin, 2020, 46, S283-S284.	4.3	0
17	M18. REDUCED CORTICAL CEREBRAL BLOOD FLOW IN FIRST EPISODE PSYCHOSIS PATIENTS. Schizophrenia Bulletin, 2020, 46, S140-S140.	4.3	0
18	ExploreASL: An image processing pipeline for multi-center ASL perfusion MRI studies. NeuroImage, 2020, 219, 117031.	4.2	80

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19	Alterations in Functional Connectivity During Different Phases of the Triggered Migraine Attack. <i>Headache</i> , 2020, 60, 1244-1258.	3.9	20
20	Acute oxytocin effects in inferring others'™ beliefs and social emotions in people at clinical high risk for psychosis. <i>Translational Psychiatry</i> , 2020, 10, 203.	4.8	10
21	Investigating resting brain perfusion abnormalities and disease target-engagement by intranasal oxytocin in women with bulimia nervosa and binge-eating disorder and healthy controls. <i>Translational Psychiatry</i> , 2020, 10, 180.	4.8	8
22	O12.7. TREATMENT WITH CANNABIDIOL REDUCES RESTING STATE PERFUSION IN INDIVIDUALS AT CLINICAL HIGH RISK FOR PSYCHOSIS. <i>Schizophrenia Bulletin</i> , 2019, 45, S200-S200.	4.3	1
23	Impaired Awareness of Hypoglycemia Disrupts Blood Flow to Brain Regions Involved in Arousal and Decision Making in Type 1 Diabetes. <i>Diabetes Care</i> , 2019, 42, 2127-2135.	8.6	17
24	Oxytocin modulates hippocampal perfusion in people at clinical high risk for psychosis. <i>Neuropsychopharmacology</i> , 2019, 44, 1300-1309.	5.4	26
25	Neurochemical effects of oxytocin in people at clinical high risk for psychosis. <i>European Neuropsychopharmacology</i> , 2019, 29, 601-615.	0.7	8
26	Characterisation of nasal devices for delivery of insulin to the brain and evaluation in humans using functional magnetic resonance imaging. <i>Journal of Controlled Release</i> , 2019, 302, 140-147.	9.9	34
27	Hyperperfusion of Frontal White and Subcortical Gray Matter in Autism Spectrum Disorder. <i>Biological Psychiatry</i> , 2019, 85, 584-595.	1.3	24
28	Increased cerebral blood flow after single dose of antipsychotics in healthy volunteers depends on dopamine D2 receptor density profiles. <i>NeuroImage</i> , 2019, 188, 774-784.	4.2	30
29	Modulation of anterior cingulate cortex reward and penalty signalling in medication-naive young-adult subjects with depressive symptoms following acute dose lurasidone. <i>Psychological Medicine</i> , 2019, 49, 1365-1377.	4.5	13
30	Resting state cerebral blood flow with arterial spin labeling MRI in developing human brains. <i>European Journal of Paediatric Neurology</i> , 2018, 22, 642-651.	1.6	20
31	Prefrontal GABA levels, hippocampal resting perfusion and the risk of psychosis. <i>Neuropsychopharmacology</i> , 2018, 43, 2652-2659.	5.4	45
32	S146. EFFECT OF CLOZAPINE ON REGIONAL CEREBRAL BLOOD FLOW IN TREATMENT-RESISTANT SCHIZOPHRENIA. <i>Schizophrenia Bulletin</i> , 2018, 44, S382-S382.	4.3	0
33	Cerebral blood flow predicts differential neurotransmitter activity. <i>Scientific Reports</i> , 2018, 8, 4074.	3.3	78
34	An investigation of regional cerebral blood flow and tissue structure changes after acute administration of antipsychotics in healthy male volunteers. <i>Human Brain Mapping</i> , 2018, 39, 319-331.	3.6	27
35	Increased Resting Hippocampal and Basal Ganglia Perfusion in People at Ultra High Risk for Psychosis: Replication in a Second Cohort. <i>Schizophrenia Bulletin</i> , 2018, 44, 1323-1331.	4.3	70
36	O3.7. EFFECT OF N-ACETYLCYSTEINE ON BRAIN GLUTAMATE LEVELS AND RESTING PERFUSION IN SCHIZOPHRENIA. <i>Schizophrenia Bulletin</i> , 2018, 44, S81-S82.	4.3	0

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37	Effects of N-acetylcysteine on brain glutamate levels and resting perfusion in schizophrenia. <i>Psychopharmacology</i> , 2018, 235, 3045-3054.	3.1	20
38	Increased resting perfusion of the hippocampus in high positive schizotypy: A pseudocontinuous arterial spin labeling study. <i>Human Brain Mapping</i> , 2018, 39, 4055-4064.	3.6	31
39	Reduced perfusion in Broca's area in developmental stuttering. <i>Human Brain Mapping</i> , 2017, 38, 1865-1874.	3.6	30
40	Effects of antipsychotics on cortisol, interleukin-6 and hippocampal perfusion in healthy volunteers. <i>Schizophrenia Research</i> , 2016, 174, 99-105.	2.0	34
41	Resting Hyperperfusion of the Hippocampus, Midbrain, and Basal Ganglia in People at High Risk for Psychosis. <i>American Journal of Psychiatry</i> , 2016, 173, 392-399.	7.2	104
42	ASAP (Automatic Software for ASL Processing): A toolbox for processing Arterial Spin Labeling images. <i>Magnetic Resonance Imaging</i> , 2016, 34, 334-344.	1.8	40
43	A Spatiotemporal Profile of In Vivo Cerebral Blood Flow Changes Following Intranasal Oxytocin in Humans. <i>Biological Psychiatry</i> , 2016, 79, 693-705.	1.3	156
44	Using arterial spin labeling to examine mood states in youth. <i>Brain and Behavior</i> , 2015, 5, e00339.	2.2	7
45	Cerebral analgesic response to nonsteroidal anti-inflammatory drug ibuprofen. <i>Pain</i> , 2015, 156, 1301-1310.	4.2	38
46	Estimating multivariate similarity between neuroimaging datasets with sparse canonical correlation analysis: an application to perfusion imaging. <i>Frontiers in Neuroscience</i> , 2015, 9, 366.	2.8	10
47	Enhancing Sensorimotor Activity by Controlling Virtual Objects with Gaze. <i>PLoS ONE</i> , 2015, 10, e0121562.	2.5	4
48	Modulatory effects of ketamine, risperidone and lamotrigine on resting brain perfusion in healthy human subjects. <i>Psychopharmacology</i> , 2015, 232, 4191-4204.	3.1	19
49	Multi-vendor reliability of arterial spin labeling perfusion MRI using a near-identical sequence: Implications for multi-center studies. <i>NeuroImage</i> , 2015, 113, 143-152.	4.2	72
50	Phenomenologically distinct psychotomimetic effects of ketamine are associated with cerebral blood flow changes in functionally relevant cerebral foci: a continuous arterial spin labelling study. <i>Psychopharmacology</i> , 2015, 232, 4515-4524.	3.1	31
51	Emotion-Motion Interactions in Conversion Disorder: An fMRI Study. <i>PLoS ONE</i> , 2015, 10, e0123273.	2.5	125
52	Ageing diminishes the modulation of human brain responses to visual food cues by meal ingestion. <i>International Journal of Obesity</i> , 2014, 38, 1186-1192.	3.4	17
53	Neural Correlates of Recall of Life Events in Conversion Disorder. <i>JAMA Psychiatry</i> , 2014, 71, 52.	11.0	165
54	Circadian and Homeostatic Modulation of Functional Connectivity and Regional Cerebral Blood Flow in Humans under Normal Entrained Conditions. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2014, 34, 1493-1499.	4.3	122

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55	Gradient induced artifacts in simultaneous EEG-fMRI: Effect of synchronization on spiral and EPI k-space trajectories. <i>Magnetic Resonance Imaging</i> , 2014, 32, 684-692.	1.8	9
56	Acute effects of single-dose aripiprazole and haloperidol on resting cerebral blood flow (rCBF) in the human brain. <i>Human Brain Mapping</i> , 2013, 34, 272-282.	3.6	97
57	Regional cerebral blood flow and FDG uptake in asymptomatic HIV-1 men. <i>Human Brain Mapping</i> , 2013, 34, 2484-2493.	3.6	53
58	Genetic modulation of neural response during working memory in healthy individuals: interaction of glucocorticoid receptor and dopaminergic genes. <i>Molecular Psychiatry</i> , 2013, 18, 174-182.	7.9	22
59	Association of placental perfusion, as assessed by magnetic resonance imaging and uterine artery Doppler ultrasound, and its relationship to pregnancy outcome. <i>Placenta</i> , 2013, 34, 885-891.	1.5	86
60	Quantifying the test-retest reliability of cerebral blood flow measurements in a clinical model of on-going post-surgical pain: A study using pseudo-continuous arterial spin labelling. <i>NeuroImage: Clinical</i> , 2013, 3, 301-310.	2.7	41
61	Multivariate decoding of brain images using ordinal regression. <i>NeuroImage</i> , 2013, 81, 347-357.	4.2	24
62	Association of placental T2 relaxation times and uterine artery Doppler ultrasound measures of placental blood flow. <i>Placenta</i> , 2013, 34, 474-479.	1.5	52
63	Resting-state cerebral blood flow in amygdala is modulated by sex and serotonin transporter genotype. <i>NeuroImage</i> , 2013, 76, 90-97.	4.2	13
64	A link between FTO, ghrelin, and impaired brain food-cue responsivity. <i>Journal of Clinical Investigation</i> , 2013, 123, 3539-3551.	8.2	307
65	Alterations in resting-state regional cerebral blood flow demonstrate ongoing pain in osteoarthritis: An arterial spin-labeled magnetic resonance imaging study. <i>Arthritis and Rheumatism</i> , 2012, 64, 3936-3946.	6.7	64
66	Dissociable effects of methylphenidate, atomoxetine and placebo on regional cerebral blood flow in healthy volunteers at rest: A multi-class pattern recognition approach. <i>NeuroImage</i> , 2012, 60, 1015-1024.	4.2	67
67	Frontal GABA Levels Change during Working Memory. <i>PLoS ONE</i> , 2012, 7, e31933.	2.5	108
68	The response to rapid infusion of fentanyl in the human brain measured using pulsed arterial spin labelling. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2012, 25, 163-175.	2.0	18
69	Evidence for involvement of the insula in the psychotropic effects of THC in humans: a double-blind, randomized pharmacological MRI study. <i>International Journal of Neuropsychopharmacology</i> , 2011, 14, 1377-1388.	2.1	47
70	Beyond Patient Reported Pain: Perfusion Magnetic Resonance Imaging Demonstrates Reproducible Cerebral Representation of Ongoing Post-Surgical Pain. <i>PLoS ONE</i> , 2011, 6, e17096.	2.5	57
71	Pulsed arterial spin labeling perfusion imaging at 3 T: estimating the number of subjects required in common designs of clinical trials. <i>Magnetic Resonance Imaging</i> , 2011, 29, 1382-1389.	1.8	30
72	Association of placental volume measured by MRI and birth weight percentile. <i>Journal of Magnetic Resonance Imaging</i> , 2011, 34, 1125-1130.	3.4	38

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73	Dehydration affects brain structure and function in healthy adolescents. <i>Human Brain Mapping</i> , 2011, 32, 71-79.	3.6	130
74	Data-driven fMRI group classification using connected components and Gaussian process classifiers. , 2011, , .		0
75	Neural correlates of visuospatial working memory in the "at-risk mental state". <i>Psychological Medicine</i> , 2010, 40, 1987-1999.	4.5	43
76	Distinct Roles of Prefrontal Cortical Subregions in the Iowa Gambling Task. <i>Cerebral Cortex</i> , 2009, 19, 1134-1143.	2.9	187
77	Measuring fMRI reliability with the intra-class correlation coefficient. <i>NeuroImage</i> , 2009, 45, 758-768.	4.2	219
78	Choroid Plexus Dysfunction: The Initial Event in the Pathogenesis of Wernicke's Encephalopathy and Ethanol Intoxication. <i>Alcoholism: Clinical and Experimental Research</i> , 2008, 32, 1513-1523.	2.4	18
79	Increased cerebral perfusion in adult attention deficit hyperactivity disorder is normalised by stimulant treatment: A non-invasive MRI pilot study. <i>NeuroImage</i> , 2008, 42, 36-41.	4.2	55
80	A completely data-driven method for detecting neuronal activation in FMRI. , 2008, , .		2
81	Decomposing the Neural Correlates of Antisaccade Eye Movements Using Event-Related fMRI. <i>Cerebral Cortex</i> , 2008, 18, 1148-1159.	2.9	149
82	The neural correlates of fatigue: an exploratory imaginal fatigue provocation study in chronic fatigue syndrome. <i>Psychological Medicine</i> , 2008, 38, 941-951.	4.5	83
83	PYY modulation of cortical and hypothalamic brain areas predicts feeding behaviour in humans. <i>Nature</i> , 2007, 450, 106-109.	27.8	413
84	Neural responses to dynamic expressions of fear in schizophrenia. <i>Neuropsychologia</i> , 2007, 45, 107-123.	1.6	106
85	Personality factors correlate with regional cerebral perfusion. <i>NeuroImage</i> , 2006, 31, 489-495.	4.2	74
86	Probing the Working Memory System in Chronic Fatigue Syndrome: A Functional Magnetic Resonance Imaging Study Using the n-Back Task. <i>Psychosomatic Medicine</i> , 2006, 68, 947-955.	2.0	83
87	In vivo estimation of the flow-driven adiabatic inversion efficiency for continuous arterial spin labeling: A method using phase contrast magnetic resonance angiography. <i>Magnetic Resonance in Medicine</i> , 2006, 55, 1291-1297.	3.0	13
88	Plasma level-dependent effects of methylphenidate on task-related functional magnetic resonance imaging signal changes. <i>Psychopharmacology</i> , 2005, 180, 624-633.	3.1	41
89	Neural correlates of anxiety associated with obsessive-compulsive symptom dimensions in normal volunteers. <i>Biological Psychiatry</i> , 2003, 53, 482-493.	1.3	136
90	Practice and Difficulty Evoke Anatomically and Pharmacologically Dissociable Brain Activation Dynamics. <i>Cerebral Cortex</i> , 2003, 13, 144-154.	2.9	44

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91	The effect of negative emotional context on neural and behavioural responses to oesophageal stimulation. <i>Brain</i> , 2003, 126, 669-684.	7.6	177
92	Dopaminergic drug effects on physiological connectivity in a human cortico-striato-thalamic system. <i>Brain</i> , 2003, 126, 1767-1781.	7.6	162
93	Colored noise and computational inference in fMRI time series analysis: resampling methods in time and wavelet domains. <i>NeuroImage</i> , 2001, 13, 86.	4.2	4
94	MRI based diffusion and perfusion predictive model to estimate stroke evolution. <i>Magnetic Resonance Imaging</i> , 2001, 19, 1043-1053.	1.8	51
95	Colored noise and computational inference in neurophysiological (fMRI) time series analysis: Resampling methods in time and wavelet domains. <i>Human Brain Mapping</i> , 2001, 12, 61-78.	3.6	571
96	Cerebral regions associated with verbal response initiation, suppression and strategy use. <i>Neuropsychologia</i> , 2000, 38, 1292-1304.	1.6	61
97	Motor response suppression and the prepotent tendency to respond: a parametric fMRI study. <i>Neuropsychologia</i> , 2000, 38, 1280-1291.	1.6	141
98	An evaluation of the time dependence of the anisotropy of the water diffusion tensor in acute human ischemia. <i>Magnetic Resonance Imaging</i> , 1999, 17, 331-348.	1.8	108
99	Changes in the hippocampus induced by glucose in thiamin deficient rats detected by MRI. <i>Brain Research</i> , 1998, 791, 347-351.	2.2	23
100	Direct visualisation of B1 inhomogeneity by flip angle dependency. <i>Magnetic Resonance Imaging</i> , 1997, 15, 497-504.	1.8	13
101	Sample-Induced RF Perturbations in High-Field, High-Resolution NMR Spectroscopy. <i>Journal of Magnetic Resonance</i> , 1997, 126, 39-47.	2.1	23
102	Localized ¹ H NMR spectroscopy of rat spinal cord <i>in Vivo</i> . <i>Magnetic Resonance in Medicine</i> , 1996, 35, 443-448.	3.0	10
103	Measurement and Compensation of Field Inhomogeneities Caused by Differences in Magnetic Susceptibility. <i>Journal of Magnetic Resonance Series A</i> , 1995, 115, 131-136.	1.6	23
104	MRI demonstration of impairment of the blood-CSF barrier by glucose administration to the thiamin-deficient rat brain. <i>Magnetic Resonance Imaging</i> , 1995, 13, 555-561.	1.8	22
105	The effect of field inhomogeneities and molecular diffusion on the NMR transverse relaxation behaviour of polymer melts. <i>Polymer</i> , 1995, 36, 2159-2164.	3.8	16
106	High resolution high field rodent cardiac imaging with flow enhancement suppression. <i>Magnetic Resonance Imaging</i> , 1994, 12, 1183-1190.	1.8	32
107	Application of high field localised <i>in vivo</i> ¹ H MRS to study biochemical changes in the thiamin deficient rat brain under glucose load. <i>NMR in Biomedicine</i> , 1993, 6, 324-328.	2.8	21
108	Diffusion in porous systems and the influence of pore morphology in pulsed gradient spin-echo nuclear magnetic resonance studies. <i>Journal of Chemical Physics</i> , 1992, 97, 651-662.	3.0	198

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109	Influence of field gradient strength in NMR studies of diffusion in porous media. <i>Magnetic Resonance Imaging</i> , 1991, 9, 663-671.	1.8	29
110	Pore-size distributions from NMR spin-lattice relaxation data. <i>Magnetic Resonance Imaging</i> , 1991, 9, 681-685.	1.8	19
111	Diffraction-like effects in NMR diffusion studies of fluids in porous solids. <i>Nature</i> , 1991, 351, 467-469.	27.8	599
112	Observations of diffusion of fluids in porous solids by pulsed field gradient NMR. <i>Colloids and Surfaces</i> , 1989, 36, 221-227.	0.9	20
113	Title is missing!. <i>Journal of Physics C: Solid State Physics</i> , 1985, 18, 6457-6462.	1.5	20
114	Molecular tunneling measured by dipole-dipole-driven nuclear magnetic resonance. <i>Physical Review Letters</i> , 1985, 55, 1794-1796.	7.8	66
115	The transition from free quantum tunnelling to thermally driven motion of methyl groups. <i>Journal of Physics C: Solid State Physics</i> , 1984, 17, 4413-4420.	1.5	36