

Borjan A Gagoski

List of Publications by Year in descending order

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Version: 2024-02-01

57
papers

2,728
citations

279798

23
h-index

197818

49
g-index

61
all docs

61
docs citations

61
times ranked

3719
citing authors

#	ARTICLE	IF	CITATIONS
1	Functional Connectivity in Infancy and Toddlerhood Predicts Long-Term Language and Preliteracy Outcomes. <i>Cerebral Cortex</i> , 2022, 32, 725-736.	2.9	12
2	Comparison of prospective and retrospective motion correction in 3D ϵ encoded neuroanatomical MRI. <i>Magnetic Resonance in Medicine</i> , 2022, 87, 629-645.	3.0	11
3	Edited magnetic resonance spectroscopy in the neonatal brain. <i>Neuroradiology</i> , 2022, 64, 217-232.	2.2	2
4	Improving D ϵ 2 ϵ hydroxyglutarate MR spectroscopic imaging in mutant isocitrate dehydrogenase glioma patients with multiplexed RF ϵ receive/B₀ ϵ shim array coils at 3 ϵ %T. <i>NMR in Biomedicine</i> , 2022, 35, e4621.	2.8	2
5	Accelerating joint relaxation ϵ diffusion MRI by integrating time division multiplexing and simultaneous multi ϵ slice (TDM ϵ SMS) strategies. <i>Magnetic Resonance in Medicine</i> , 2022, 87, 2697-2709.	3.0	3
6	Assessment of Maternal Macular Pigment Optical Density (MPOD) as a Potential Marker for Dietary Carotenoid Intake during Lactation in Humans. <i>Nutrients</i> , 2022, 14, 182.	4.1	3
7	Automated detection and reacquisition of motion ϵ degraded images in fetal HASTE imaging at 3 T. <i>Magnetic Resonance in Medicine</i> , 2022, 87, 1914-1922.	3.0	11
8	Increased Breastfeeding Proportion Is Associated with Improved Gross Motor Skills at 3 ϵ 5 Years of Age: A Pilot Study. <i>Nutrients</i> , 2022, 14, 2215.	4.1	2
9	Regional Brain Growth Trajectories in Fetuses with Congenital Heart Disease. <i>Annals of Neurology</i> , 2021, 89, 143-157.	5.3	49
10	Rapid head ϵ pose detection for automated slice prescription of fetal ϵ brain <scp>MRI</scp>. <i>International Journal of Imaging Systems and Technology</i> , 2021, 31, 1136-1154.	4.1	7
11	Quantification of magnetic resonance spectroscopy data using a combined reference: Application in typically developing infants. <i>NMR in Biomedicine</i> , 2021, 34, e4520.	2.8	7
12	Accelerated diffusion and relaxation ϵ diffusion MRI using time ϵ division multiplexing EPI. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 2528-2541.	3.0	6
13	Safety and imaging performance of two ϵ channel RF shimming for fetal MRI at 3T. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 2810-2821.	3.0	3
14	White matter in infancy is prospectively associated with language outcomes in kindergarten. <i>Developmental Cognitive Neuroscience</i> , 2021, 50, 100973.	4.0	18
15	Quantitative T1 and T2 mapping by magnetic resonance fingerprinting (MRF) of the placenta before and after maternal hyperoxia. <i>Placenta</i> , 2021, 114, 124-132.	1.5	4
16	Brain morphometry and diminished physical growth in Bangladeshi children growing up in extreme poverty: A longitudinal study. <i>Developmental Cognitive Neuroscience</i> , 2021, 52, 101029.	4.0	8
17	Detecting microstructural white matter abnormalities of frontal pathways in children with ADHD using advanced diffusion models. <i>Brain Imaging and Behavior</i> , 2020, 14, 981-997.	2.1	29
18	Joint RELaxation-Diffusion Imaging Moments to Probe Neurite Microstructure. <i>IEEE Transactions on Medical Imaging</i> , 2020, 39, 668-677.	8.9	29

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19	Maternal Dietary Intake of Omega-3 Fatty Acids Correlates Positively with Regional Brain Volumes in 1-Month-Old Term Infants. <i>Cerebral Cortex</i> , 2020, 30, 2057-2069.	2.9	15
20	Individual variation in simulated fetal SAR assessed in multiple body models. <i>Magnetic Resonance in Medicine</i> , 2020, 83, 1418-1428.	3.0	12
21	Relating anthropometric indicators to brain structure in 2-month-old Bangladeshi infants growing up in poverty: A pilot study. <i>NeuroImage</i> , 2020, 210, 116540.	4.2	11
22	Placental MRI: Effect of maternal position and uterine contractions on placental BOLD MRI measurements. <i>Placenta</i> , 2020, 95, 69-77.	1.5	27
23	Semi-supervised Learning for Fetal Brain MRI Quality Assessment with ROI Consistency. <i>Lecture Notes in Computer Science</i> , 2020, , 386-395.	1.3	11
24	Longitudinal Changes in Magnetic Resonance Spectroscopy in Pediatric Concussion: A Pilot Study. <i>Frontiers in Neurology</i> , 2019, 10, 556.	2.4	15
25	The relationship between biological and psychosocial risk factors and resting-state functional connectivity in 2-month-old Bangladeshi infants: A feasibility and pilot study. <i>Developmental Science</i> , 2019, 22, e12841.	2.4	30
26	Ex vivo fetal brain MRI: Recent advances, challenges, and future directions. <i>NeuroImage</i> , 2019, 195, 23-37.	4.2	30
27	Preliminary evaluation of dynamic glucose enhanced MRI of the human placenta during glucose tolerance test. <i>Quantitative Imaging in Medicine and Surgery</i> , 2019, 9, 1619-1627.	2.0	8
28	Placental MRI. <i>Topics in Magnetic Resonance Imaging</i> , 2019, 28, 285-297.	1.2	23
29	Comparison of CBF Measured with Combined Velocity-Selective Arterial Spin-Labeling and Pulsed Arterial Spin-Labeling to Blood Flow Patterns Assessed by Conventional Angiography in Pediatric Moyamoya. <i>American Journal of Neuroradiology</i> , 2019, 40, 1842-1849.	2.4	20
30	Correction of magnetic field inhomogeneity effects for fast quantitative susceptibility mapping. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 1645-1658.	3.0	4
31	Early-Emerging Sulcal Patterns Are Atypical in Fetuses with Congenital Heart Disease. <i>Cerebral Cortex</i> , 2019, 29, 3605-3616.	2.9	40
32	System-Specific Patterns of Thalamocortical Connectivity in Early Brain Development as Revealed by Structural and Functional MRI. <i>Cerebral Cortex</i> , 2019, 29, 1218-1229.	2.9	24
33	Suprathreshold fiber cluster statistics: Leveraging white matter geometry to enhance tractography statistical analysis. <i>NeuroImage</i> , 2018, 171, 341-354.	4.2	26
34	Improved magnetic resonance fingerprinting reconstruction with low-rank and subspace modeling. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 933-942.	3.0	113
35	WaveCAIPI for highly accelerated MP-RAGE imaging. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 401-406.	3.0	53
36	Disorganized Patterns of Sulcal Position in Fetal Brains with Agenesis of Corpus Callosum. <i>Cerebral Cortex</i> , 2018, 28, 3192-3203.	2.9	30

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37	Flexible proton 3D MR spectroscopic imaging of the prostate with low-power adiabatic pulses for volume selection and spiral readout. <i>Magnetic Resonance in Medicine</i> , 2017, 77, 928-935.	3.0	8
38	Single-step quantitative susceptibility mapping with variational penalties. <i>NMR in Biomedicine</i> , 2017, 30, e3570.	2.8	50
39	Simultaneous multislice magnetic resonance fingerprinting (SMS-MRF) with direct spiral slice GRAPPA (ds-5G) reconstruction. <i>Magnetic Resonance in Medicine</i> , 2017, 77, 1966-1974.	3.0	35
40	Spatiotemporal alignment of in utero BOLD-MRI series. <i>Journal of Magnetic Resonance Imaging</i> , 2017, 46, 403-412.	3.4	25
41	Assessing the effects of subject motion on T ₂ relaxation under spin tagging (TRUST) cerebral oxygenation measurements using volume navigators. <i>Magnetic Resonance in Medicine</i> , 2017, 78, 2283-2289.	3.0	6
42	In Vivo Quantification of Placental Insufficiency by BOLD MRI: A Human Study. <i>Scientific Reports</i> , 2017, 7, 3713.	3.3	66
43	Quantitative Folding Pattern Analysis of Early Primary Sulci in Human Fetuses with Brain Abnormalities. <i>American Journal of Neuroradiology</i> , 2017, 38, 1449-1455.	2.4	31
44	Autocalibrated wave-CAIPI reconstruction; Joint optimization of k-space trajectory and parallel imaging reconstruction. <i>Magnetic Resonance in Medicine</i> , 2017, 78, 1093-1099.	3.0	47
45	Parallel transmission pulse design with explicit control for the specific absorption rate in the presence of radiofrequency errors. <i>Magnetic Resonance in Medicine</i> , 2016, 75, 2493-2504.	3.0	9
46	Arterial Spin Labeling Perfusion Magnetic Resonance Imaging Performed in Acute Perinatal Stroke Reveals Hyperperfusion Associated With Ischemic Injury. <i>Stroke</i> , 2016, 47, 1514-1519.	2.0	30
47	Dynamic ³¹ P-MRSI using spiral spectroscopic imaging can map mitochondrial capacity in muscles of the human calf during plantar flexion exercise at 7T. <i>NMR in Biomedicine</i> , 2016, 29, 1825-1834.	2.8	38
48	Accelerated ¹ H MRSI using randomly undersampled spiral-based k-space trajectories. <i>Magnetic Resonance in Medicine</i> , 2015, 74, 13-24.	3.0	23
49	Wave-CAIPI for highly accelerated 3D imaging. <i>Magnetic Resonance in Medicine</i> , 2015, 73, 2152-2162.	3.0	180
50	RARE/turbo spin echo imaging with simultaneous multislice Wave-CAIPI. <i>Magnetic Resonance in Medicine</i> , 2015, 73, 929-938.	3.0	68
51	Wave-CAIPI enables highly accelerated 3D MRI. , 2014, , .		1
52	3D GABA imaging with real-time motion correction, shim update and reacquisition of adiabatic spiral MRSI. <i>NeuroImage</i> , 2014, 103, 290-302.	4.2	100
53	Real-time motion- and B ₀ -correction for LASER-localized spiral-accelerated 3D-MRSI of the brain at 3T. <i>NeuroImage</i> , 2014, 88, 22-31.	4.2	64
54	Fetal MRI: A technical update with educational aspirations. <i>Concepts in Magnetic Resonance Part A: Bridging Education and Research</i> , 2014, 43, 237-266.	0.5	78

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55	Abstract W MP114: Arterial Spin Label Perfusion Imaging in Acute Neonatal Stroke Reveals Hyperperfusion in Association With Cerebral Ischemic Injury. <i>Stroke</i> , 2014, 45, .	2.0	0
56	Diffusion Propagator Estimation from Sparse Measurements in a Tractography Framework. <i>Lecture Notes in Computer Science</i> , 2013, 16, 510-517.	1.3	22
57	Blippedâ€controlled aliasing in parallel imaging for simultaneous multislice echo planar imaging with reduced <i>g</i> -factor penalty. <i>Magnetic Resonance in Medicine</i> , 2012, 67, 1210-1224.	3.0	1,144