Natasha Lepore

List of Publications by Year
in descending order

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53	437	933447	839539
papers	citations	10 h-index	18 g-index

53	53	53	929
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Brain biomarkers and neuropsychological outcomes of pediatric posterior fossa brain tumor survivors treated with surgical resection with or without adjuvant chemotherapy. Pediatric Blood and Cancer, 2021, 68, e28817.	1.5	4
2	Fetal neurodevelopmental recovery in donors after laser surgery for twinâ€twin transfusion syndrome. Prenatal Diagnosis, 2021, 41, 190-199.	2.3	3
3	Tractâ€specific analysis and neurocognitive functioning in sickle cell patients without history of overt stroke. Brain and Behavior, 2021, 11, e01978.	2.2	7
4	Developmental changes of the central sulcus morphology in young children. Brain Structure and Function, 2021, 226, 1841-1853.	2.3	2
5	Federated Morphometry Feature Selection for Hippocampal Morphometry Associated Beta-Amyloid and Tau Pathology. Frontiers in Neuroscience, 2021, 15, 762458.	2.8	5
6	Altered hippocampal morphometry in infants born very preterm. , 2021, , .		0
7	Structural neuroimaging. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2020, 174, 251-264.	1.8	0
8	Neurocranium thickness mapping in early childhood. Scientific Reports, 2020, 10, 16651.	3.3	7
9	Down syndrome with co-occurring Marfan syndrome. BMJ Case Reports, 2020, 13, e235988.	0.5	1
10	Integrating Convolutional Neural Networks and Multi-Task Dictionary Learning for Cognitive Decline Prediction with Longitudinal Images. Journal of Alzheimer's Disease, 2020, 75, 971-992.	2.6	9
11	A Univariate Persistent Brain Network Feature Based on the Aggregated Cost of Cycles from the Nested Filtration Networks. , 2020, 2020, .		1
12	MRI Restoration Using Edge-Guided Adversarial Learning. IEEE Access, 2020, 8, 83858-83870.	4.2	15
13	Transient Hypoxia Model Revealed Cerebrovascular Impairment in Anemia Using <scp>BOLD MRI</scp> and <scp>Nearâ€Infrared</scp> Spectroscopy. Journal of Magnetic Resonance Imaging, 2020, 52, 1400-1412.	3.4	6
14	Patch-based surface morphometry feature selection with federated group lasso regression. , 2020, 11583, .		4
15	Morphometric Gaussian process for landmarking on grey matter tetrahedral models. , 2020, 11330, .		3
16	NCOG-72. DIFFERENTIAL EFFECTS OF SURGERY AND CHEMOTHERAPY ON CHILDREN WITH POSTERIOR FOSSA BRAIN TUMORS. Neuro-Oncology, 2020, 22, ii145-ii145.	1.2	0
17	White matter has impaired resting oxygen delivery in sickle cell patients. American Journal of Hematology, 2019, 94, 467-474.	4.1	31
18	Image Postprocessing Adoption Trends in Clinical Medical Imaging. Journal of the American College of Radiology, 2019, 16, 945-951.	1.8	7

#	Article	IF	Citations
19	Quantitative evaluation of local head malformations from 3 dimensional photography: application to craniosynostosis. , 2019, 10950, .		3
20	EdgeRunner: a novel shape-based pipeline for tumours analysis and characterisation. Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization, 2018, 6, 84-92.	1.9	1
21	Discriminating lung adenocarcinoma from lung squamous cell carcinoma using respiration-induced tumor shape changes. Physics in Medicine and Biology, 2018, 63, 215027.	3.0	2
22	A Tetrahedron-Based Heat Flux Signature for Cortical Thickness Morphometry Analysis. Lecture Notes in Computer Science, 2018, 11072, 420-428.	1.3	9
23	Cerebral blood flow and predictors of white matter lesions in adults with Tetralogy of Fallot. , 2018, 2018, 1309-1312.		3
24	Orchestral fully convolutional networks for small lesion segmentation in brain MRI. , 2018, 2018, 889-892.		11
25	Radiation-free quantification of head malformations in craniosynostosis patients from 3D photography. , 2018, 10575, .		4
26	A T1 and DTI fused 3D corpus callosum analysis in MCI subjects with high and low cardiovascular risk profile. NeuroImage: Clinical, 2017, 14, 298-307.	2.7	10
27	Putamen development in children 12 to 21 months old. Proceedings of SPIE, 2017, 10160, .	0.8	4
28	Extending PACS functionality: towards facilitating the conversion of clinical necessities into research-derived applications. , 2017, 10160, .		4
29	Multivariate surface-based analysis of corpus callosum in patients with sickle cell disease. , 2017, 10160, .		0
30	Feature selective temporal prediction of Alzheimer's disease progression using hippocampus surface morphometry. Brain and Behavior, 2017, 7, e00733.	2.2	20
31	Graph Lasso-Based Test for Evaluating Functional Brain Connectivity in Sickle Cell Disease. Brain Connectivity, 2017, 7, 443-453.	1.7	10
32	Mapping the basal ganglia alterations in children chronically exposed to manganese. Scientific Reports, 2017, 7, 41804.	3.3	34
33	Contribution to speech development of the right anterior putamen revealed with multivariate tensor-based morphometry. , 2017, 2017, 3085-3087.		1
34	Cranial thickness changes in early childhood. , 2017, 10572, .		1
35	Bayesian automated cortical segmentation for neonatal MRI. , 2017, 10572, .		0
36	Thalamic alterations in preterm neonates and their relation to ventral striatum disturbances revealed by a combined shape and pose analysis. Brain Structure and Function, 2016, 221, 487-506.	2.3	28

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37	An experimental investigation of labeling efficiency for pseudo-continuous arterial spin labeling. , 2016, , .		1
38	Functional connectivity analysis for thalassemia disease based on a graphical lasso model. , 2016, 2016, 1295-1298.		4
39	A study of brain white matter plasticity in early blinds using tract-based spatial statistics and tract statistical analysis. NeuroReport, 2015, 26, 1151-1154.	1.2	16
40	Multidimensional Interactive Radiology Report and Analysis: standardization of workflow and reporting for renal mass tracking and quantification. , 2015, 9681, .		1
41	Tract specific analysis in patients with sickle cell disease. Proceedings of SPIE, 2015, 9681, .	0.8	4
42	Changes in neurocranium thickness in early childhood. , 2015, , .		1
43	Abnormal ventricular development in preterm neonates with visually normal MRIs. Proceedings of SPIE, 2015, 9681, .	0.8	1
44	Fiber estimation and tractography in diffusion MRI: Development of simulated brain images and comparison of multi-fiber analysis methods at clinical b-values. NeuroImage, 2015, 109, 341-356.	4.2	85
45	Impact of Early and Late Visual Deprivation on the Structure of the Corpus Callosum: A Study Combining Thickness Profile with Surface Tensor-Based Morphometry. Neuroinformatics, 2015, 13, 321-336.	2.8	15
46	A T1 and DTI fused 3D corpus callosum analysis in pre- vs. post-season contact sports players. Proceedings of SPIE, 2015, 9287, .	0.8	11
47	Mapping of ApoE4 related white matter damage using diffusion MRI. Proceedings of SPIE, 2014, 9039, 90390H.	0.8	4
48	Evaluating the predictive power of multivariate tensor-based morphometry in Alzheimer's disease progression via convex fused sparse group Lasso. Proceedings of SPIE, 2014, 9034, 90342L.	0.8	2
49	The power of hybrid / fusion imaging metrics in future PACS systems: a case study into the white matter hyperintensity prenumbra using FLAIR and diffusion MR. Proceedings of SPIE, 2014, 9039, 90390I.	0.8	0
50	Effect of Data Acquisition and Analysis Method on Fiber Orientation Estimation in Diffusion MRI. Mathematics and Visualization, 2014, 2013, 13-24.	0.6	2
51	Statistical Analysis of Relative Pose of the Thalamus in Preterm Neonates. Lecture Notes in Computer Science, 2014, 8361, 1-9.	1.3	4
52	A Multivariate Surface-Based Analysis of the Putamen in Premature Newborns: Regional Differences within the Ventral Striatum. PLoS ONE, 2013, 8, e66736.	2.5	33
53	Surface fluid registration and multivariate tensor-based morphometry in newborns - the effects of prematurity on the putamen. , 2012, 2012, .		3