Lipeng Ning

List of Publications by Year
in descending order

48	1,065	471509 17	477307 29
papers	citations	h-index	g-index

50	50	50	1516
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	White matter markers and predictors for subject-specific rTMS response in major depressive disorder. Journal of Affective Disorders, 2022, 299, 207-214.	4.1	13
2	Accelerating joint relaxationâ€diffusion MRI by integrating time division multiplexing and simultaneous multiâ€slice (TDMâ€SMS) strategies. Magnetic Resonance in Medicine, 2022, 87, 2697-2709.	3.0	3
3	Probing tissue microstructure by diffusion skewness tensor imaging. Scientific Reports, 2021, 11, 135.	3.3	6
4	Deep learning based segmentation of brain tissue from diffusion MRI. NeuroImage, 2021, 233, 117934.	4.2	36
5	Accelerated diffusion and relaxationâ€diffusion MRI using timeâ€division multiplexing EPI. Magnetic Resonance in Medicine, 2021, 86, 2528-2541.	3.0	6
6	Rapid whole-brain electric field mapping in transcranial magnetic stimulation using deep learning. PLoS ONE, 2021, 16, e0254588.	2.5	11
7	Detecting microstructural white matter abnormalities of frontal pathways in children with ADHD using advanced diffusion models. Brain Imaging and Behavior, 2020, 14, 981-997.	2.1	29
8	Joint RElaxation-Diffusion Imaging Moments to Probe Neurite Microstructure. IEEE Transactions on Medical Imaging, 2020, 39, 668-677.	8.9	29
9	Smooth Interpolation of Covariance Matrices and Brain Network Estimation: Part II. IEEE Transactions on Automatic Control, 2020, 65, 1901-1910.	5.7	1
10	Cross-scanner and cross-protocol multi-shell diffusion MRI data harmonization: Algorithms and results. NeuroImage, 2020, 221, 117128.	4.2	54
11	Quantifying Genetic and Environmental Influence on Gray Matter Microstructure Using Diffusion MRI. Cerebral Cortex, 2020, 30, 6191-6205.	2.9	8
12	Highâ€fidelity, accelerated wholeâ€brain submillimeter in vivo diffusion MRI using gSliderâ€spherical ridgelets (gSliderâ€SR). Magnetic Resonance in Medicine, 2020, 84, 1781-1795.	3.0	28
13	Cross-scanner and cross-protocol diffusion MRI data harmonisation: A benchmark database and evaluation of algorithms. NeuroImage, 2019, 195, 285-299.	4.2	92
14	MK-curve - Characterizing the relation between mean kurtosis and alterations in the diffusion MRI signal. NeuroImage, 2019, 196, 68-80.	4.2	15
15	Retrospective harmonization of multi-site diffusion MRI data acquired with different acquisition parameters. NeuroImage, 2019, 184, 180-200.	4.2	115
16	Smooth Interpolation of Covariance Matrices and Brain Network Estimation. IEEE Transactions on Automatic Control, 2019, 64, 3184-3193.	5.7	2
17	Limits and reproducibility of resting-state functional MRI definition of DLPFC targets for neuromodulation. Brain Stimulation, 2019, 12, 129-138.	1.6	45
18	Suprathreshold fiber cluster statistics: Leveraging white matter geometry to enhance tractography statistical analysis. NeuroImage, 2018, 171, 341-354.	4.2	26

#	Article	IF	Citations
19	Cumulant expansions for measuring water exchange using diffusion MRI. Journal of Chemical Physics, 2018, 148, 074109.	3.0	26
20	Multi-site harmonization of diffusion MRI data in a registration framework. Brain Imaging and Behavior, 2018, 12, 284-295.	2.1	83
21	A Dynamic Regression Approach for Frequency-Domain Partial Coherence and Causality Analysis of Functional Brain Networks. IEEE Transactions on Medical Imaging, 2018, 37, 1957-1969.	8.9	8
22	Regularization and Interpolation of Positive Matrices. IEEE Transactions on Automatic Control, 2018, 63, 1208-1212.	5.7	5
23	Elevated hippocampal choline level is associated with altered functional connectivity in females with major depressive disorder: A pilot study. Psychiatry Research - Neuroimaging, 2018, 278, 48-55.	1.8	6
24	Matricial Wasserstein-1 Distance. , 2017, 1, 1-1.		16
25	Performance of unscented Kalman filter tractography in edema: Analysis of the two-tensor model. NeuroImage: Clinical, 2017, 15, 819-831.	2.7	37
26	Precise Inference and Characterization of Structural Organization (PICASO) of tissue from molecular diffusion. NeuroImage, 2017, 146, 452-473.	4.2	17
27	New insights about time-varying diffusivity and its estimation from diffusion MRI. Magnetic Resonance in Medicine, 2017, 78, 763-774.	3.0	11
28	Supra-Threshold Fiber Cluster Statistics for Data-Driven Whole Brain Tractography Analysis. Lecture Notes in Computer Science, 2017, , 556-565.	1.3	0
29	Estimation of Bounded and Unbounded Trajectories in Diffusion MRI. Frontiers in Neuroscience, 2016, 10, 129.	2.8	3
30	A joint compressed-sensing and super-resolution approach for very high-resolution diffusion imaging. NeuroImage, 2016, 125, 386-400.	4.2	49
31	Estimating Diffusion Propagator and Its Moments Using Directional Radial Basis Functions. IEEE Transactions on Medical Imaging, 2015, 34, 2058-2078.	8.9	59
32	Sparse Reconstruction Challenge for diffusion MRI: Validation on a physical phantom to determine which acquisition scheme and analysis method to use?. Medical Image Analysis, 2015, 26, 316-331.	11.6	78
33	A Compressed-Sensing Approach for Super-Resolution Reconstruction of Diffusion MRI. Lecture Notes in Computer Science, 2015, 24, 57-68.	1.3	4
34	Linear Models Based on Noisy Data and the Frisch Scheme. SIAM Review, 2015, 57, 167-197.	9.5	14
35	On Matrix-Valued Mongeâ€“Kantorovich Optimal Mass Transport. IEEE Transactions on Automatic Control, 2015, 60, 373-382.	5.7	29
36	Metrics for Matrix-valued Measures via Test Functions. , 2014, , .		7

#	Article	IF	Citations
37	On robustness of ℓ<inf>1</inf>-regularization methods for spectral estimation. , 2014, , .		3
38	Coping with model error in variational data assimilation using optimal mass transport. Water Resources Research, 2014, 50, 5817-5830.	4.2	18
39	Maximum Entropy Estimation of Glutamate and Glutamine in MR Spectroscopic Imaging. Lecture Notes in Computer Science, 2014, 17, 749-756.	1.3	1
40	Diffusion Propagator Estimation Using Gaussians Scattered in q-Space. Mathematics and Visualization, 2014, , 141-150.	0.6	0
41	On the Geometry of Covariance Matrices. IEEE Signal Processing Letters, 2013, 20, 787-790.	3.6	17
42	Matrix-valued Monge-Kantorovich optimal mass transport. , 2013, , .		1
43	The Wasserstein metric in Factor Analysis. , 2013, , 8-12.		0
44	Metrics for multivariate power spectra. , 2012, , .		1
45	Distances and Riemannian Metrics for Multivariate Spectral Densities. IEEE Transactions on Automatic Control, 2012, 57, 1723-1735.	5.7	37
46	Geometric methods for structured covariance estimation. , 2012, , .		1
47	Sparse factor analysis via likelihood and ℓ<inf>1</inf>-regularization. , 2011, , .		10
48	Separation of system dynamics and line spectra via sparse representation. , 2010, , .		3