Charles D Smith

List of Publications by Year
in descending order

49 papers	1,908 citations	331670 21 h-index	345221 36 g-index
49 all docs	49 docs citations	49 times ranked	3611 citing authors

#	Article	IF	Citations
1	Age and gender effects on human brain anatomy: A voxel-based morphometric study in healthy elderly. Neurobiology of Aging, 2007, 28, 1075-1087.	3.1	286
2	Serum folate and the severity of atrophy of the neocortex in Alzheimer disease: findings from the Nun Study. American Journal of Clinical Nutrition, 2000, 71, 993-998.	4.7	256
3	Self-reported memory complaints. Neurology, 2014, 83, 1359-1365.	1.1	151
4	Deconstructing normal pressure hydrocephalus: Ventriculomegaly as early sign of neurodegeneration. Annals of Neurology, 2017, 82, 503-513.	5.3	133
5	â€œNew Old Pathologiesâ€: AD, PART, and Cerebral Age-Related TDP-43 With Sclerosis (CARTS). Journal of Neuropathology and Experimental Neurology, 2016, 75, 482-498.	1.7	130
6	Spectral and complexity analysis of scalp EEG characteristics for mild cognitive impairment and early Alzheimer's disease. Computer Methods and Programs in Biomedicine, 2014, 114, 153-163.	4.7	120
7	White matter diffusion alterations in normal women at risk of Alzheimer's disease. Neurobiology of Aging, 2010, 31, 1122-1131.	3.1	93
8	Sugihara causality analysis of scalp EEG for detection of early Alzheimer's disease. NeuroImage: Clinical, 2015, 7, 258-265.	2.7	58
9	White matter integrity is associated with cerebrospinal fluid markers of Alzheimer's disease in normal adults. Neurobiology of Aging, 2014, 35, 2263-2271.	3.1	51
10	Development, validation and application of a new fornix template for studies of aging and preclinical Alzheimer's disease. NeuroImage: Clinical, 2017, 13, 106-115.	2.7	48
11	White Matter Hyperintensity Associations with Cerebral Blood Flow in Elderly Subjects Stratified by Cerebrovascular Risk. Journal of Stroke and Cerebrovascular Diseases, 2017, 26, 779-786.	1.6	46
12	Peripheral (deep) but not periventricular <scp>MRI</scp> white matter hyperintensities are increased in clinical vascular dementia compared to Alzheimer's disease. Brain and Behavior, 2016, 6, e00438.	2.2	41
13	Periventricular White Matter Hyperintensities on MRI: Correlation With Neuropathologic Findings. Journal of Neuroimaging, 2000, 10, 13-16.	2.0	39
14	A clinical trial to validate eventâ€related potential markers ofÂAlzheimer'sÂdisease in outpatient settings. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2015, 1, 387-394.	2.4	38
15	Distinct patterns of default mode and executive control network circuitry contribute to present and future executive function in older adults. NeuroImage, 2019, 195, 320-332.	4.2	38
16	MRI diffusion tensor tracking of a new amygdaloâ€fusiform and hippocampoâ€fusiform pathway system in humans. Journal of Magnetic Resonance Imaging, 2009, 29, 1248-1261.	3.4	36
17	Discrimination of Mild Cognitive Impairment and Alzheimer's Disease Using Transfer Entropy Measures of Scalp EEG. Journal of Healthcare Engineering, 2015, 6, 55-70.	1.9	32
18	Diagnostic accuracy and practice effects in the National Alzheimer's Coordinating Center Uniform Data Set neuropsychological battery. Alzheimer's and Dementia, 2014, 10, 675-683.	0.8	31

#	ARTICLE	IF	CITATIONS
19	Alzheimer's Biomarkers are Correlated with Brain Connectivity in Older Adults Differentially during Resting and Task States. Frontiers in Aging Neuroscience, 2016, 8, 15.	3.4	28
20	Hippocampus segmentation through multi-view ensemble ConvNets. , 2017, , .		28
21	Age and Alzheimer's pathology disrupt default mode network functioning via alterations in white matter microstructure but not hyperintensities. Cortex, 2018, 104, 58-74.	2.4	24
22	Structural Brain Alterations before Mild Cognitive Impairment in ADNI: Validation of Volume Loss in a Predefined Antero-Temporal Region. Journal of Alzheimer's Disease, 2012, 31, S49-S58.	2.6	22
23	Distinct White Matter Changes Associated with Cerebrospinal Fluid Amyloid-β1-42 and Hypertension. Journal of Alzheimer's Disease, 2018, 66, 1095-1104.	2.6	21
24	Neuroimaging Through the Course of Alzheimer's Disease. Journal of Alzheimer's Disease, 2010, 19, 273-290.	2.6	19
25	Clinically silent Alzheimer's and vascular pathologies influence brain networks supporting executive function in healthy older adults. Neurobiology of Aging, 2017, 58, 102-111.	3.1	15
26	Psychological Impact of Predictive Genetic Testing in VCP Inclusion Body Myopathy, Paget Disease of Bone and Frontotemporal Dementia. Journal of Genetic Counseling, 2015, 24, 842-850.	1.6	14
27	Dilated FCN: Listening Longer to Hear Better. , 2019, , .		11
28	Diffuse optical assessment of cerebral autoregulation in older adults stratified by cerebrovascular risk. Journal of Biophotonics, 2020, 13, e202000073.	2.3	10
29	Dopaminergic Modulation of Medial Prefrontal Cortex Deactivation in Parkinson Depression. Parkinson's Disease, 2015, 2015, 1-11.	1.1	9
30	Memory-Related Frontal Brainwaves Predict Transition to Mild Cognitive Impairment in Healthy Older Individuals Five Years Before Diagnosis. Journal of Alzheimer's Disease, 2021, 79, 531-541.	2.6	9
31	Teaching NeuroImages: Leber hereditary optic neuropathy masquerading as neuromyelitis optica. Neurology, 2018, 90, e94-e95.	1.1	8
32	Characteristics of VCP mutation-associated cardiomyopathy. Neuromuscular Disorders, 2021, 31, 701-705.	0.6	8
33	Automatic Multiple Sclerosis detection based on integrated square estimation. , 2009, , .		7
34	Quad-mesh based radial distance biomarkers for Alzheimer's disease. , 2016, , .		7
35	Post-acquisition processing confounds in brain volumetric quantification of white matter hyperintensities. Journal of Neuroscience Methods, 2019, 327, 108391.	2.5	7
36	Bilateral Radiation Optic Neuropathy Following Concurrent Chemotherapy and Radiation in Glioblastoma. Neuro-Ophthalmology, 2017, 41, 287-290.	1.0	5

#	Article	IF	Citations
37	Residual Pyramid Fcn for Robust Follicle Segmentation. , 2019, , .		5
38	Development of a protocol to assess within-subject, regional white matter hyperintensity changes in aging and dementia. Journal of Neuroscience Methods, 2021, 360, 109270.	2.5	5
39	Validation studies of the human movement analysis panel for hand/arm performance. Journal of Neuroscience Methods, 2007, 165, 287-296.	2.5	4
40	Curve skeleton-based shape representation and classification. , 2012, , .		4
41	Nonlinear Metric Learning for Semi-Supervised Learning via Coherent Point Drifting. , 2016, , .		4
42	Partial least squares discrimination with heterogeneous covariance structures. Journal of Chemometrics, 2011, 25, 109-115.	1.3	2
43	Robust and efficient point registration based on clusters and Generalized Radial Basis Functions (C-GRBF). , 2012, , .		2
44	Riemannian Shape Analysis Based on Meridian Curves. , 2012, , .		1
45	Peeking into the Black Box of Coregistration in Clinical fMRI: Which Registration Methods Are Used and How Well Do They Perform?. American Journal of Neuroradiology, 2018, 39, 2332-2339.	2.4	1
46	Teaching NeuroImages: Substantia nigra T2 hyperintensities in a man with Leber hereditary optic neuropathy. Neurology, 2019, 93, e1830-e1831.	1.1	1
47	Clinical Reasoning: Two see or not two see—Is it really double vision?. Neurology, 2017, 89, e56-e60.	1.1	0
48	Nonlinear Metric Learning through Geodesic Interpolation within Lie Groups. , 2018, , .		0
49	Automatic Multiple Sclerosis detection based on integrated square estimation. , 2009, , .		0