Flavio Dell Acqua

List of Publications by Year in Descending Order

71 papers	**7,072** citations	**36** h-index	**79** g-index
79 ext. papers	**8,616** ext. citations	**6.7** avg, IF	**5.85** L-index

#	Paper	IF	Citations
71	The medial occipital longitudinal tract supports early stage encoding of visuospatial information.. *Communications Biology*, **2022**, 5, 318	6.7	1
70	Atypical Brain Asymmetry in Autism-A Candidate for Clinically Meaningful Stratification. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*, **2021**, 6, 802-812	3.4	14
69	Temporal Profiles of Social Attention Are Different Across Development in Autistic and Neurotypical People. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*, **2021**, 6, 813-824	3.4	10
68	Towards robust and replicable sex differences in the intrinsic brain function of autism. *Molecular Autism*, **2021**, 12, 19	6.5	9
67	Atypical measures of diffusion at the gray-white matter boundary in autism spectrum disorder in adulthood. *Human Brain Mapping*, **2021**, 42, 467-484	5.9	3
66	Drum training induces long-term plasticity in the cerebellum and connected cortical thickness. *Scientific Reports*, **2020**, 10, 10116	4.9	5
65	Generalized Richardson-Lucy (GRL) for analyzing multi-shell diffusion MRI data. *NeuroImage*, **2020**, 218, 116948	7.9	4
64	Anatomical evidence of an indirect pathway for word repetition. *Neurology*, **2020**, 94, e594-e606	6.5	29
63	Reproducibility, reliability and variability of FA and MD in the older healthy population: A test-retest multiparametric analysis. *NeuroImage: Clinical*, **2020**, 26, 102168	5.3	15
62	Differences in Frontal Network Anatomy Across Primate Species. *Journal of Neuroscience*, **2020**, 40, 2094-2107	6.2	25
61	Altered corticospinal microstructure and motor cortex excitability in gliomas: an advanced tractography and transcranial magnetic stimulation study. *Journal of Neurosurgery*, **2020**, 134, 1368-1376	3.2	3
60	Modelling white matter with spherical deconvolution: How and why?. *NMR in Biomedicine*, **2019**, 32, e3945	3.4	65
59	Altered Connectivity Between Cerebellum, Visual, and Sensory-Motor Networks in Autism Spectrum Disorder: Results from the EU-AIMS Longitudinal European Autism Project. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*, **2019**, 4, 260-270	3.4	43
58	Frontoparietal Tracts Linked to Lateralized Hand Preference and Manual Specialization. *Cerebral Cortex*, **2018**, 28, 2482-2494	5.1	50
57	Cross-talk connections underlying dorsal and ventral stream integration during hand actions. *Cortex*, **2018**, 103, 224-239	3.8	30
56	Anatomy of the dorsal default-mode network in conduct disorder: Association with callous-unemotional traits. *Developmental Cognitive Neuroscience*, **2018**, 30, 87-92	5.5	20
55	Connectomic correlates of response to treatment in first-episode psychosis. *Brain*, **2017**, 140, 487-496	11.2	36

54	Pure word deafness following left temporal damage: Behavioral and neuroanatomical evidence from a new case. *Cortex*, **2017**, 97, 240-254	3.8	18
53	Asymmetry and Structure of the Fronto-Parietal Networks Underlie Visuomotor Processing in Humans. *Cerebral Cortex*, **2017**, 27, 1532-1544	5.1	34
52	The challenge of mapping the human connectome based on diffusion tractography. *Nature Communications*, **2017**, 8, 1349	17.4	609
51	Short parietal lobe connections of the human and monkey brain. *Cortex*, **2017**, 97, 339-357	3.8	48
50	The role of the frontal aslant tract and premotor connections in visually guided hand movements. *NeuroImage*, **2017**, 146, 419-428	7.9	35
49	Impaired Communication Between the Motor and Somatosensory Homunculus Is Associated With Poor Manual Dexterity in Autism Spectrum Disorder. *Biological Psychiatry*, **2017**, 81, 211-219	7.9	50
48	Functional segregation and integration within fronto-parietal networks. *NeuroImage*, **2017**, 146, 367-375	7.9	88
47	Atlasing the frontal lobe connections and their variability due to age and education: a spherical deconvolution tractography study. *Brain Structure and Function*, **2016**, 221, 1751-66	4	218
46	Frontotemporal networks and behavioral symptoms in primary progressive aphasia. *Neurology*, **2016**, 86, 1393-1399	6.5	28
45	Frontal networks in adults with autism spectrum disorder. *Brain*, **2016**, 139, 616-30	11.2	83
44	Heritability of the limbic networks. *Social Cognitive and Affective Neuroscience*, **2016**, 11, 746-57	4	32
43	Reinforcement of the Brain's Rich-Club Architecture Following Early Neurodevelopmental Disruption Caused by Very Preterm Birth. *Cerebral Cortex*, **2016**, 26, 1322-35	5.1	57
42	A Whole-Brain Investigation of White Matter Microstructure in Adolescents with Conduct Disorder. *PLoS ONE*, **2016**, 11, e0155475	3.7	12
41	Whole-brain ex-vivo quantitative MRI of the cuprizone mouse model. *PeerJ*, **2016**, 4, e2632	3.1	44
40	Anatomic Connections of the Subgenual Cingulate Region. *Neurosurgery*, **2016**, 79, 465-72	3.2	24
39	Diffusion in realistic biophysical systems can lead to aliasing effects in diffusion spectrum imaging. *Magnetic Resonance in Medicine*, **2016**, 76, 1837-1847	4.4	5
38	Emotional detachment in psychopathy: Involvement of dorsal default-mode connections. *Cortex*, **2015**, 62, 11-9	3.8	31
37	Tract Based Spatial Statistic Reveals No Differences in White Matter Microstructural Organization between Carriers and Non-Carriers of the APOE e4 and e2 Alleles in Young Healthy Adolescents. *Journal of Alzheimers Disease*, **2015**, 47, 977-84	4.3	11

36	Disentangling the relation between left temporoparietal white matter and reading: A spherical deconvolution tractography study. *Human Brain Mapping*, **2015**, 36, 3273-87	5.9	32
35	Age-Related Differences and Heritability of the Perisylvian Language Networks. *Journal of Neuroscience*, **2015**, 35, 12625-34	6.6	43
34	Very Early Brain Damage Leads to Remodeling of the Working Memory System in Adulthood: A Combined fMRI/Tractography Study. *Journal of Neuroscience*, **2015**, 35, 15787-99	6.6	30
33	White matter connections of the supplementary motor area in humans. *Journal of Neurology, Neurosurgery and Psychiatry*, **2014**, 85, 1377-85	5.5	117
32	Anatomical predictors of aphasia recovery: a tractography study of bilateral perisylvian language networks. *Brain*, **2014**, 137, 2027-39	11.2	212
31	No differences in hippocampal volume between carriers and non-carriers of the ApoE 4 and 2 alleles in young healthy adolescents. *Journal of Alzheimer's Disease*, **2014**, 40, 37-43	4.3	35
30	P1-243: A SELECTIVE AGEING EFFECT ON THE FRONTAL LOBE CONNECTIONS **2014**, 10, P394-P395		
29	IC-P-068: A SELECTIVE AGEING EFFECT ON THE FRONTAL LOBE CONNECTIONS **2014**, 10, P37-P38		1
28	Diffusion tensor imaging of Parkinson's disease, multiple system atrophy and progressive supranuclear palsy: a tract-based spatial statistics study. *PLoS ONE*, **2014**, 9, e112638	3.7	55
27	White matter integrity as a predictor of response to treatment in first episode psychosis. *Brain*, **2014**, 137, 172-82	11.2	114
26	Prenatal stress and limbic-prefrontal white matter microstructure in children aged 6-9 years: a preliminary diffusion tensor imaging study. *World Journal of Biological Psychiatry*, **2014**, 15, 346-52	3.8	47
25	The anatomy of fronto-occipital connections from early blunt dissections to contemporary tractography. *Cortex*, **2014**, 56, 73-84	3.8	162
24	Can spherical deconvolution provide more information than fiber orientations? Hindrance modulated orientational anisotropy, a true-tract specific index to characterize white matter diffusion. *Human Brain Mapping*, **2013**, 34, 2464-83	5.9	200
23	A revised limbic system model for memory, emotion and behaviour. *Neuroscience and Biobehavioral Reviews*, **2013**, 37, 1724-37	9	350
22	MR diffusion histology and micro-tractography reveal mesoscale features of the human cerebellum. *Cerebellum*, **2013**, 12, 923-31	4.3	35
21	A novel frontal pathway underlies verbal fluency in primary progressive aphasia. *Brain*, **2013**, 136, 2619-28	11.2	315
20	Connectomic approaches before the connectome. *NeuroImage*, **2013**, 80, 2-13	7.9	60
19	Word learning is mediated by the left arcuate fasciculus. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 13168-73	11.5	181

18	Non-invasive imaging of transplanted human neural stem cells and ECM scaffold remodeling in the stroke-damaged rat brain by (19)F- and diffusion-MRI. *Biomaterials*, **2012**, 33, 2858-71	15.6	143
17	Comment on "The geometric structure of the brain fiber pathways". *Science*, **2012**, 337, 1605	33.3	51
16	Fronto-striatal circuitry and inhibitory control in autism: findings from diffusion tensor imaging tractography. *Cortex*, **2012**, 48, 183-93	3.8	173
15	Monkey to human comparative anatomy of the frontal lobe association tracts. *Cortex*, **2012**, 48, 82-96	3.8	433
14	Short frontal lobe connections of the human brain. *Cortex*, **2012**, 48, 273-91	3.8	501
13	Beyond cortical localization in clinico-anatomical correlation. *Cortex*, **2012**, 48, 1262-87	3.8	164
12	Structural human brain networks: hot topics in diffusion tractography. *Current Opinion in Neurology*, **2012**, 25, 375-83	7.1	99
11	Atlasing location, asymmetry and inter-subject variability of white matter tracts in the human brain with MR diffusion tractography. *NeuroImage*, **2011**, 54, 49-59	7.9	477
10	A Lateralized Brain Network for Visuo-Spatial Attention. *Nature Precedings*, **2011**,		8
9	Lateralisation of the Arcuate Fasciculus Predicts Aphasia Recovery at 6 Months. *Procedia, Social and Behavioral Sciences*, **2011**, 23, 164-166		3
8	A lateralized brain network for visuospatial attention. *Nature Neuroscience*, **2011**, 14, 1245-6	25.5	703
7	Mapping white matter pathways with diffusion imaging tractography: focus on neurosurgical applications **2011**, 61-75		1
6	A modified damped Richardson-Lucy algorithm to reduce isotropic background effects in spherical deconvolution. *NeuroImage*, **2010**, 49, 1446-58	7.9	235
5	The anatomy of extended limbic pathways in Asperger syndrome: a preliminary diffusion tensor imaging tractography study. *NeuroImage*, **2009**, 47, 427-34	7.9	138
4	Noise correction on Rician distributed data for fibre orientation estimators. *IEEE Transactions on Medical Imaging*, **2008**, 27, 1242-51	11.7	22
3	A model-based deconvolution approach to solve fiber crossing in diffusion-weighted MR imaging. *IEEE Transactions on Biomedical Engineering*, **2007**, 54, 462-72	5	131
2	Diffusion Weighted Image Co-registration: Investigation of Best Practices		4
1	The missing pathway in current visuospatial processing models		2