Filippo Arrigoni

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5032824/publications.pdf

Version: 2024-02-01

85 papers	1,994 citations	257450 24 h-index	302126 39 g-index
88 all docs	88 docs citations	88 times ranked	3613 citing authors

#	Article	IF	Citations
1	Definitions and classification of malformations of cortical development: practical guidelines. Brain, 2020, 143, 2874-2894.	7.6	145
2	Early Cerebral Lesions in Cytomegalovirus Infection: Prenatal MR Imaging. Radiology, 2010, 255, 613-621.	7.3	105
3	Mutations in Î±- and Î²-tubulin encoding genes: Implications in brain malformations. Brain and Development, 2015, 37, 273-280.	1.1	94
4	Tubulin genes and malformations of cortical development. European Journal of Medical Genetics, 2018, 61, 744-754.	1.3	93
5	Neurogenetics of developmental dyslexia: from genes to behavior through brain neuroimaging and cognitive and sensorial mechanisms. Translational Psychiatry, 2017, 7, e987-e987.	4.8	91
6	Cortico-Cerebellar Connectivity in Autism Spectrum Disorder: What Do We Know So Far?. Frontiers in Psychiatry, 2016, 7, 20.	2.6	67
7	Delineation and Diagnostic Criteria of Oral-Facial-Digital Syndrome Type VI. Orphanet Journal of Rare Diseases, 2012, 7, 4.	2.7	64
8	Mutations in CYP2U1, DDHD2 and GBA2 genes are rare causes of complicated forms of hereditary spastic paraparesis. Journal of Neurology, 2014, 261, 373-381.	3.6	62
9	Deep Medullary Vein Involvement in Neonates with Brain Damage: An MR Imaging Study. American Journal of Neuroradiology, 2011, 32, 2030-2036.	2.4	52
10	A novel mutation in the Î²â€tubulin gene TUBB2B associated with complex malformation of cortical development and deficits in axonal guidance. Developmental Medicine and Child Neurology, 2012, 54, 765-769.	2.1	50
11	Multiâ€center evaluation of stability and reproducibility of quantitative MRI measures in healthy calf muscles. NMR in Biomedicine, 2019, 32, e4119.	2.8	50
12	White matter injury and neurodevelopmental disabilities: A cross-disease (dis)connection. Progress in Neurobiology, 2020, 193, 101845.	5.7	43
13	Brain malformations and mutations in Î±â€•and Î²â€tubulin genes: a review of the literature and description of two new cases. Developmental Medicine and Child Neurology, 2014, 56, 354-360.	2.1	42
14	Early Formative Stage of Human Focal Cortical Gyration Anomalies: Fetal MRI. American Journal of Roentgenology, 2012, 198, 439-447.	2.2	41
15	A de-novo STXBP1 gene mutation in a patient showing the Rett syndrome phenotype. NeuroReport, 2015, 26, 254-257.	1.2	39
16	Investigation of negative BOLD responses in human brain through NIRS technique. A visual stimulation study. NeuroImage, 2015, 108, 410-422.	4.2	37
17	Whole-Brain DTI Assessment of White Matter Damage in Children with Bilateral Cerebral Palsy: Evidence of Involvement beyond the Primary Target of the Anoxic Insult. American Journal of Neuroradiology, 2016, 37, 1347-1353.	2.4	37
18	When one is Enough: Impaired Multisensory Integration in Cerebellar Agenesis. Cerebral Cortex, 2017, 27, bhw049.	2.9	37

#	Article	IF	Citations
19	Multiparametric quantitative MRI assessment of thigh muscles in limbâ€girdle muscular dystrophy 2A and 2B. Muscle and Nerve, 2018, 58, 550-558.	2.2	37
20	Is fetal magnetic resonance imaging indicated when ultrasound isolated mild ventriculomegaly is present in pregnancies with no risk factors?. Prenatal Diagnosis, 2012, 32, 752-757.	2.3	36
21	Tubulin-related cerebellar dysplasia: definition of a distinct pattern of cerebellar malformation. European Radiology, 2017, 27, 5080-5092.	4.5	36
22	Diffusion tensor imaging of early changes in corpus callosum after acute cerebral hemisphere lesions in newborns. Neuroradiology, 2010, 52, 1025-1035.	2.2	35
23	Clinical Characterization, Genetics, and Long-Term Follow-up of a Large Cohort of Patients With Agenesis of the Corpus Callosum. Journal of Child Neurology, 2017, 32, 60-71.	1.4	34
24	Tubulinopathies. Topics in Magnetic Resonance Imaging, 2018, 27, 395-408.	1.2	30
25	Epilepsy in Tubulinopathy: Personal Series and Literature Review. Cells, 2019, 8, 669.	4.1	27
26	Brain Structure and Degeneration Staging in Friedreich Ataxia: <scp>Magnetic Resonance Imaging</scp> Volumetrics from the <scp>ENIGMAâ€Ataxia</scp> Working Group. Annals of Neurology, 2021, 90, 570-583.	5.3	27
27	Functional and Structural Brain Damage in Friedreich's Ataxia. Frontiers in Neurology, 2018, 9, 747.	2.4	25
28	Fetal MRI features related to the Chiari malformations. Neurological Sciences, 2011, 32, 279-281.	1.9	23
29	A robust deconvolution method to disentangle multiple water pools in diffusion MRI. NMR in Biomedicine, 2018, 31, e3965.	2.8	23
30	Atypical adult onset complicated spastic paraparesis with thin corpus callosum in two patients carrying a novel <scp>FA2H</scp> mutation. European Journal of Neurology, 2012, 19, e127-9.	3.3	22
31	Chromothripsis and ring chromosome 22: a paradigm of genomic complexity in the Phelan-McDermid syndrome (22q13 deletion syndrome). Journal of Medical Genetics, 2018, 55, 269-277.	3.2	22
32	The spectrum of brainstem malformations associated to mutations of the tubulin genes family: MRI and DTI analysis. European Radiology, 2019, 29, 770-782.	4.5	22
33	Diaphragm Involvement in Duchenne Muscular Dystrophy (DMD): An MRI Study. Journal of Magnetic Resonance Imaging, 2020, 51, 461-471.	3.4	21
34	SUFU haploinsufficiency causes a recognisable neurodevelopmental phenotype at the mild end of the Joubert syndrome spectrum. Journal of Medical Genetics, 2022, 59, 888-894.	3.2	19
35	A Novel Mutation in STXBP1 Gene in a Child With Epileptic Encephalopathy and an Atypical Electroclinical Pattern. Journal of Child Neurology, 2014, 29, 249-253.	1.4	18
36	Learning to live without the cerebellum. NeuroReport, 2015, 26, 809-813.	1.2	17

#	Article	IF	Citations
37	Investigation of the electrophysiological correlates of negative BOLD response during intermittent photic stimulation: An EEG-fMRI study. Human Brain Mapping, 2016, 37, 2247-2262.	3.6	16
38	Prenatal MR Imaging of the Normal Pituitary Stalk. American Journal of Neuroradiology, 2009, 30, 1014-1016.	2.4	15
39	Cognitive rehabilitation in a child with Joubert Syndrome: Developmental trends and adaptive changes in a single case report. Research in Developmental Disabilities, 2015, 47, 375-384.	2.2	15
40	Anterior Mesencephalic Cap Dysplasia: Novel Brain Stem Malformative Features Associated with Joubert Syndrome. American Journal of Neuroradiology, 2017, 38, 2385-2390.	2.4	15
41	Constructing fMRI connectivity networks: A whole brain functional parcellation method for node definition. Journal of Neuroscience Methods, 2014, 228, 86-99.	2.5	14
42	A diffusion tensor magnetic resonance imaging study of paediatric patients with severe nonâ€traumatic brain injury. Developmental Medicine and Child Neurology, 2017, 59, 199-206.	2.1	13
43	Refining the mutational spectrum and geneâ€“phenotype correlates in pontocerebellar hypoplasia: results of a multicentric study. Journal of Medical Genetics, 2022, 59, 399-409.	3.2	13
44	Prenatal MR Imaging Detection of Deep Medullary Vein Involvement in Fetal Brain Damage. American Journal of Neuroradiology, 2011, 32, E146-E149.	2.4	12
45	Tensorâ€based morphometry using scalar and directional information of diffusion tensor MRI data (DTBM): Application to hereditary spastic paraplegia. Human Brain Mapping, 2018, 39, 4643-4651.	3.6	12
46	Frontoâ€temporal vulnerability to disconnection in paediatric moderate and severe traumatic brain injury. European Journal of Neurology, 2019, 26, 1183-1190.	3.3	12
47	Novel SPTBN2 gene mutation and first intragenic deletion in early onset spinocerebellar ataxia type 5. Annals of Clinical and Translational Neurology, 2021, 8, 956-963.	3.7	12
48	Early Prenatal Magnetic Resonance Imaging of Glutaric Aciduria Type 1. Journal of Computer Assisted Tomography, 2010, 34, 446-448.	0.9	11
49	Cerebroretinal Microangiopathy With Calcifications and Cysts Associated With CTC1 and NDP Mutations. Journal of Child Neurology, 2013, 28, 1702-1708.	1.4	11
50	Altered Recruitment of the Attention Network Is Associated with Disability and Cognitive Impairment in Pediatric Patients with Acquired Brain Injury. Neural Plasticity, 2015, 2015, 1-13.	2.2	11
51	Greater brain response to emotional expressions of their own children in mothers of preterm infants: an fMRI study. Journal of Perinatology, 2017, 37, 716-722.	2.0	11
52	The Paternal Brain in Action: A Review of Human Fathersâ€™ fMRI Brain Responses to Child-Related Stimuli. Brain Sciences, 2021, 11, 816.	2.3	11
53	The mental simulation of state/psychological verbs in the adolescent brain: An fMRI study. Brain and Cognition, 2018, 123, 34-46.	1.8	10
54	A Different Brain: Anomalies of Functional and Structural Connections in Williams Syndrome. Frontiers in Neurology, 2018, 9, 721.	2.4	10

#	Article	IF	Citations
55	Safety and Efficacy Of Interferon Î³ in Friedreich's Ataxia. Movement Disorders, 2020, 35, 370-371.	3.9	10
56	Sleep/Wake Modulation of Polysomnographic Patterns has Prognostic Value in Pediatric Unresponsive Wakefulness Syndrome. Journal of Clinical Sleep Medicine, 2016, 12, 1131-1141.	2.6	9
57	Disordered Consciousness or Disordered Wakefulness? The Importance of Prolonged Polysomnography for the Diagnosis, Drug Therapy, and Rehabilitation of an Unresponsive Patient With Brain Injury. Journal of Clinical Sleep Medicine, 2017, 13, 1477-1481.	2.6	9
58	Characterizing White Matter Tract Organization in Polymicrogyria and Lissencephaly: A Multifiber Diffusion MRI Modeling and Tractography Study. American Journal of Neuroradiology, 2020, 41, 1495-1502.	2.4	9
59	Bedside assessment of residual functional activation in minimally conscious state using NIRS and general linear models. , 2013, 2013, 3551-4.		8
60	Novel SETX variants in a patient with ataxia, neuropathy, and oculomotor apraxia are associated with normal sensitivity to oxidative DNA damaging agents. Brain and Development, 2014, 36, 682-689.	1.1	8
61	A framework for the automatic detection and characterization of brain malformations: Validation on the corpus callosum. Medical Image Analysis, 2016, 32, 233-242.	11.6	7
62	Aberrant supracallosal longitudinal bundle: MR features, pathogenesis and associated clinical phenotype. European Radiology, 2016, 26, 2587-2596.	4.5	7
63	Sensitivity of Neuroimaging Indicators in Monitoring the Effects of Interferon Gamma Treatment in Friedreichâ€™s Ataxia. Frontiers in Neuroscience, 2020, 14, 872.	2.8	7
64	Get Your Molar Tooth Right: Joubert Syndrome Misdiagnosis Unmasked by Whole-Exome Sequencing. Cerebellum, 2022, 21, 1144-1150.	2.5	7
65	Multi-Steps Registration Protocol for Multimodal MR Images of Hip Skeletal Muscles in a Longitudinal Study. Applied Sciences (Switzerland), 2020, 10, 7823.	2.5	6
66	Basal Ganglia Dysmorphism in Patients With Aicardi Syndrome. Neurology, 2021, 96, e1319-e1333.	1.1	6
67	Automatic localization of cerebral cortical malformations using fractal analysis. Physics in Medicine and Biology, 2016, 61, 6025-6040.	3.0	4
68	Neurocognitive and behavioral outcomes in a nearly drowned child with cardiac arrest and hypothermia resuscitated after 43 min of no flow-time: A case study. Resuscitation, 2017, 118, e3-e4.	3.0	4
69	Conventional MRI. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2018, 154, 219-234.	1.8	4
70	Retrospective study of late radiation-induced damages after focal radiotherapy for childhood brain tumors. PLoS ONE, 2021, 16, e0247748.	2.5	4
71	Selecting the Most Relevant Brain Regions to Classify Children with Developmental Dyslexia and Typical Readers by Using Complex Magnocellular Stimuli and Multiple Kernel Learning. Brain Sciences, 2021, 11, 722.	2.3	4
72	ACTA2-Related Dysgyria: An Under-Recognized Malformation of Cortical Development. American Journal of Neuroradiology, 2021, , .	2.4	4

#	Article	IF	Citations
73	Longâ€term followâ€up in a cohort of children with isolated corpus callosum agenesis at fetal MRI. Annals of Clinical and Translational Neurology, 2021, 8, 2280-2288.	3.7	4
74	Effects of age and gender on neural correlates of emotion imagery. Human Brain Mapping, 2022, 43, 4116-4127.	3.6	4
75	Superior Cerebellar Atrophy: An Imaging Clue to Diagnose ITPR1-Related Disorders. International Journal of Molecular Sciences, 2022, 23, 6723.	4.1	4
76	Coupling of fMRI and NIRS measurements in the study of negative BOLD response to intermittent photic stimulation. , 2013, 2013, 1378-81.		3
77	A multi-metric registration strategy for the alignment of longitudinal brain images in pediatric oncology. Medical and Biological Engineering and Computing, 2020, 58, 843-855.	2.8	3
78	Brain Magnetic Spectroscopy Imaging and Hereditary Spastic Paraplegia: A Focused Systematic Review on Current Landmarks and Future Perspectives. Frontiers in Neurology, 2020, 11, 515.	2.4	2
79	Detection of Corpus Callosum Malformations in Pediatric Population Using the Discriminative Direction in Multiple Kernel Learning. Lecture Notes in Computer Science, 2014, 17, 300-307.	1.3	2
80	Functional MRI Studies in Friedreich's Ataxia: A Systematic Review. Frontiers in Neurology, 2021, 12, 802496.	2.4	2
81	Feasibility Randomized Trial for an Intensive Memory-Focused Training Program for School-Aged Children with Acquired Brain Injury. Brain Sciences, 2020, 10, 430.	2.3	1
82	Automatic Tissue Segmentation with Deep Learning in Patients with Congenital or Acquired Distortion of Brain Anatomy. Lecture Notes in Computer Science, 2020, , 13-22.	1.3	1
83	Reply letter: Neurocognitive and behavioral outcomes in a nearly drowned child with cardiac arrest and hypothermia resuscitated after 43â€¯min of no flow-time: A case study. Resuscitation, 2018, 128, e4-e5.	3.0	0
84	P.300Diaphragm imaging in Duchenne muscular dystrophy (DMD). Neuromuscular Disorders, 2019, 29, S154-S155.	0.6	0
85	Diaphragm excursion in Duchenne muscolar distrophy (DMD) by magnetic resonance imaging (MRI). , 2017, , .		0