

# Olivier Collignon

## List of Publications by Year in descending order

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Version: 2024-02-01

60  
papers

3,466  
citations

236925

25  
h-index

161849

54  
g-index

77  
all docs

77  
docs citations

77  
times ranked

3829  
citing authors

#	ARTICLE	IF	CITATIONS
1	Variability in the analysis of a single neuroimaging dataset by many teams. <i>Nature</i> , 2020, 582, 84-88.	27.8	634
2	Functional specialization for auditory spatial processing in the occipital cortex of congenitally blind humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 4435-4440.	7.1	287
3	Audio-visual integration of emotion expression. <i>Brain Research</i> , 2008, 1242, 126-135.	2.2	267
4	Cross-modal plasticity for the spatial processing of sounds in visually deprived subjects. <i>Experimental Brain Research</i> , 2009, 192, 343-358.	1.5	228
5	Impact of blindness onset on the functional organization and the connectivity of the occipital cortex. <i>Brain</i> , 2013, 136, 2769-2783.	7.6	193
6	Functional Cerebral Reorganization for Auditory Spatial Processing and Auditory Substitution of Vision in Early Blind Subjects. <i>Cerebral Cortex</i> , 2006, 17, 457-465.	2.9	153
7	Specific activation of the V5 brain area by auditory motion processing: An fMRI study. <i>Cognitive Brain Research</i> , 2005, 25, 650-658.	3.0	140
8	Improved selective and divided spatial attention in early blind subjects. <i>Brain Research</i> , 2006, 1075, 175-182.	2.2	114
9	Blue Light Stimulates Cognitive Brain Activity in Visually Blind Individuals. <i>Journal of Cognitive Neuroscience</i> , 2013, 25, 2072-2085.	2.3	94
10	Long-Lasting Crossmodal Cortical Reorganization Triggered by Brief Postnatal Visual Deprivation. <i>Current Biology</i> , 2015, 25, 2379-2383.	3.9	83
11	Auditory motion in the sighted and blind: Early visual deprivation triggers a large-scale imbalance between auditory and visual brain regions. <i>NeuroImage</i> , 2016, 134, 630-644.	4.2	76
12	Functional selectivity for face processing in the temporal voice area of early deaf individuals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E6437-E6446.	7.1	68
13	The role of vision in the development of finger-number interactions: Finger-counting and finger-montring in blind children. <i>Journal of Experimental Child Psychology</i> , 2011, 109, 525-539.	1.4	65
14	A Visual Cortical Network for Deriving Phonological Information from Intelligible Lip Movements. <i>Current Biology</i> , 2018, 28, 1453-1459.e3.	3.9	64
15	Functional selectivity in sensory-deprived cortices. <i>Journal of Neurophysiology</i> , 2011, 105, 2627-2630.	1.8	57
16	Sensory rehabilitation in the plastic brain. <i>Progress in Brain Research</i> , 2011, 191, 211-231.	1.4	56
17	Categorical representation from sound and sight in the ventral occipito-temporal cortex of sighted and blind. <i>ELife</i> , 2020, 9, .	6.0	56
18	Embodied numbers: The role of vision in the development of number-space interactions. <i>Cortex</i> , 2013, 49, 276-283.	2.4	47

#	ARTICLE	IF	CITATIONS
19	Further evidence that congenitally blind participants react faster to auditory and tactile spatial targets.. Canadian Journal of Experimental Psychology, 2009, 63, 287-293.	0.8	44
20	Multimodal MR-imaging reveals large-scale structural and functional connectivity changes in profound early blindness. PLoS ONE, 2017, 12, e0173064.	2.5	40
21	Early but not late blindness leads to enhanced arithmetic and working memory abilities. Cortex, 2016, 83, 212-221.	2.4	39
22	Congenital blindness is associated with large-scale reorganization of anatomical networks. NeuroImage, 2016, 128, 362-372.	4.2	39
23	Functional Preference for Object Sounds and Voices in the Brain of Early Blind and Sighted Individuals. Journal of Cognitive Neuroscience, 2018, 30, 86-106.	2.3	35
24	Neuronal populations in the occipital cortex of the blind synchronize to the temporal dynamics of speech. ELife, 2018, 7, .	6.0	35
25	State-dependent modulation of functional connectivity in early blind individuals. NeuroImage, 2017, 147, 532-541.	4.2	34
26	A Brief Period of Postnatal Visual Deprivation Alters the Balance between Auditory and Visual Attention. Current Biology, 2016, 26, 3101-3105.	3.9	33
27	Plasticity of the Dorsal "Spatial" Stream in Visually Deprived Individuals. Neural Plasticity, 2012, 2012, 1-12.	2.2	32
28	White matter connectivity between occipital and temporal regions involved in face and voice processing in hearing and early deaf individuals. NeuroImage, 2018, 179, 263-274.	4.2	27
29	Shared Representation of Visual and Auditory Motion Directions in the Human Middle-Temporal Cortex. Current Biology, 2020, 30, 2289-2299.e8.	3.9	27
30	Visual experience influences the interactions between fingers and numbers. Cognition, 2014, 133, 91-96.	2.2	26
31	Time-course of Posterior Parietal and Occipital Cortex Contribution to Sound Localization. Journal of Cognitive Neuroscience, 2008, 20, 1454-1463.	2.3	25
32	Early blindness alters the spatial organization of verbal working memory. Cortex, 2016, 83, 271-279.	2.4	23
33	Representation of Auditory Motion Directions and Sound Source Locations in the Human Planum Temporale. Journal of Neuroscience, 2019, 39, 2208-2220.	3.6	23
34	General Enhancement of Spatial Hearing in Congenitally Blind People. Psychological Science, 2020, 31, 1129-1139.	3.3	22
35	Recruitment of the occipital cortex by arithmetic processing follows computational bias in the congenitally blind. NeuroImage, 2019, 186, 549-556.	4.2	21
36	Brain Regions Involved in Conceptual Retrieval in Sighted and Blind People. Journal of Cognitive Neuroscience, 2020, 32, 1009-1025.	2.3	21

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37	Stereotactic electroencephalography in humans reveals multisensory signal in early visual and auditory cortices. <i>Cortex</i> , 2020, 126, 253-264.	2.4	20
38	Visual motion processing recruits regions selective for auditory motion in early deaf individuals. <i>NeuroImage</i> , 2021, 230, 117816.	4.2	20
39	The shared numerical representation for action and perception develops independently from vision. <i>Cortex</i> , 2020, 129, 436-445.	2.4	19
40	Direct Structural Connections between Auditory and Visual Motion-Selective Regions in Humans. <i>Journal of Neuroscience</i> , 2021, 41, 2393-2405.	3.6	19
41	Hierarchical Brain Network for Face and Voice Integration of Emotion Expression. <i>Cerebral Cortex</i> , 2019, 29, 3590-3605.	2.9	17
42	A study of brain white matter plasticity in early blinds using tract-based spatial statistics and tract statistical analysis. <i>NeuroReport</i> , 2015, 26, 1151-1154.	1.2	16
43	Sound symbolism in sighted and blind. The role of vision and orthography in sound-shape correspondences. <i>Cognition</i> , 2019, 185, 62-70.	2.2	15
44	Tactile numerosity is coded in external space. <i>Cortex</i> , 2021, 134, 43-51.	2.4	11
45	Structural and Functional Network-Level Reorganization in the Coding of Auditory Motion Directions and Sound Source Locations in the Absence of Vision. <i>Journal of Neuroscience</i> , 2022, 42, 4652-4668.	3.6	11
46	Building the Brain in the Dark: Functional and Specific Crossmodal Reorganization in the Occipital Cortex of Blind Individuals. , 2012, , 114-137.		9
47	Time-resolved discrimination of audio-visual emotion expressions. <i>Cortex</i> , 2019, 119, 184-194.	2.4	9
48	Fast Periodic Auditory Stimulation Reveals a Robust Categorical Response to Voices in the Human Brain. <i>ENeuro</i> , 2021, 8, ENEURO.0471-20.2021.	1.9	9
49	Structural neuroplasticity of the superior temporal plane in early and late blindness. <i>Brain and Language</i> , 2017, 170, 71-81.	1.6	8
50	Blind readers break mirror invariance as sighted do. <i>Cortex</i> , 2018, 101, 154-162.	2.4	7
51	Is Red Heavier Than Yellow Even for Blind?. <i>I-Perception</i> , 2018, 9, 204166951875912.	1.4	7
52	How visual is the « number sense »? Insights from the blind. <i>Neuroscience and Biobehavioral Reviews</i> , 2020, 118, 290-297.	6.1	6
53	Early visual deprivation does not prevent the emergence of basic numerical abilities in blind children. <i>Cognition</i> , 2021, 210, 104586.	2.2	6
54	Within- and Cross-Modal Integration and Attention in the Autism Spectrum. <i>Journal of Autism and Developmental Disorders</i> , 2020, 50, 87-100.	2.7	4

#	ARTICLE	IF	CITATIONS
55	Brief Postnatal Visual Deprivation Triggers Long-Lasting Interactive Structural and Functional Reorganization of the Human Cortex. <i>Frontiers in Medicine</i> , 2021, 8, 752021.	2.6	4
56	Investigating the respective contribution of sensory modalities and spatial disposition in numerical training. <i>Journal of Experimental Child Psychology</i> , 2020, 190, 104729.	1.4	3
57	Selective visual and crossmodal impairment in the discrimination of anger and fear expressions in severe alcohol use disorder. <i>Drug and Alcohol Dependence</i> , 2020, 213, 108079.	3.2	3
58	The balanced act of crossmodal and intramodal plasticity: Enhanced representation of auditory categories in the occipital cortex of early blind people links to reduced temporal coding. <i>Journal of Vision</i> , 2018, 18, 554.	0.3	1
59	Synesthesia in a congenitally blind individual. <i>Neuropsychologia</i> , 2022, 170, 108226.	1.6	1
60	Time-resolved discrimination of audiovisual expressions of emotion in children with and without autism. <i>Journal of Vision</i> , 2019, 19, 20a.	0.3	0