Beyond sensory images: Object-based representation in

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Citation Report

#	Article	IF	Citations
1	Percept-related activity in the human somatosensory system: functional magnetic resonance imaging studies. Magnetic Resonance Imaging, 2004, 22, 1539-1548.	1.0	57
2	The social re-orientation of adolescence: a neuroscience perspective on the process and its relation to psychopathology. Psychological Medicine, 2005, 35, 163-174.	2.7	886
3	What blindness can tell us about seeing again: merging neuroplasticity and neuroprostheses. Nature Reviews Neuroscience, 2005, 6, 71-77.	4.9	160
4	The role of multisensory memories in unisensory object discrimination. Cognitive Brain Research, 2005, 24, 326-334.	3.3	151
5	See me, hear me, touch me: multisensory integration in lateral occipital-temporal cortex. Current Opinion in Neurobiology, 2005, 15, 145-153.	2.0	343
6	Visual cortical activity during tactile perception in the sighted and the visually deprived. Developmental Psychobiology, 2005, 46, 279-286.	0.9	154
7	Functional imaging of human crossmodal identification and object recognition. Experimental Brain Research, 2005, 166, 559-571.	0.7	330
8	Short-term visual deprivation alters neural processing of tactile form. Experimental Brain Research, 2005, 166, 572-582.	0.7	58
9	Behavioral Change and Its Neural Correlates in Visual Agnosia After Expertise Training. Journal of Cognitive Neuroscience, 2005, 17, 554-568.	1.1	61
10	COGNITIVE AND BRAIN MECHANISMS IN SENSORY SUBSTITUTION OF VISION: A CONTRIBUTION TO THE STUDY OF HUMAN PERCEPTION. Journal of Integrative Neuroscience, 2005, 04, 489-503.	0.8	20
11	Tactile form and location processing in the human brain. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 12601-12605.	3.3	129
12	Configural Processing of Biological Motion in Human Superior Temporal Sulcus. Journal of Neuroscience, 2005, 25, 9059-9066.	1.7	178
13	Cross-modal plasticity revealed by electrotactile stimulation of the tongue in the congenitally blind. Brain, 2005, 128, 606-614.	3.7	270
14	Haptic face identification activates ventral occipital and temporal areas: An fMRI study. Brain and Cognition, 2005, 59, 246-257.	0.8	40
15	What aspects of vision facilitate haptic processing?. Brain and Cognition, 2005, 59, 258-268.	0.8	31
16	The influence of familiarity on brain activation during haptic exploration of 3-D facemasks. Neuroscience Letters, 2006, 397, 269-273.	1.0	23
17	Neural correlates of spatial working memory in humans: A functional magnetic resonance imaging study comparing visual and tactile processes. Neuroscience, 2006, 139, 339-349.	1.1	168
18	Beyond faces and modularity: the power of an expertise framework. Trends in Cognitive Sciences, 2006, 10, 159-166.	4.0	287

#	Article	IF	Citations
19	Is neocortex essentially multisensory?. Trends in Cognitive Sciences, 2006, 10, 278-285.	4.0	1,236
20	A Haptic Face-Inversion Effect. Perception, 2006, 35, 921-931.	0.5	23
21	Tactile perception recruits functionally related visual areas in the late-blind. NeuroReport, 2006, 17, 1381-1384.	0.6	106
22	Why Cyclops could not compete with Ulysses: monocular vision and mental images. NeuroReport, 2006, 17, 723-726.	0.6	13
23	Object recognition with severe spatial deficits in Williams syndrome: sparing and breakdown. Cognition, 2006, 100, 483-510.	1.1	76
24	Practice makes perfect: the neural substrates of tactile discrimination by Mah-Jong experts include the primary visual cortex. BMC Neuroscience, 2006, 7, 79.	0.8	46
25	Functional Cerebral Reorganization for Auditory Spatial Processing and Auditory Substitution of Vision in Early Blind Subjects. Cerebral Cortex, 2006, 17, 457-465.	1.6	153
26	Multisensory Activation of the Intraparietal Area When Classifying Grating Orientation: A Functional Magnetic Resonance Imaging Study. Journal of Neuroscience, 2006, 26, 7491-7501.	1.7	92
27	Haptic Recognition of Static and Dynamic Expressions of Emotion in the Live Face. Psychological Science, 2007, 18, 158-164.	1.8	83
28	The Effect of Visual Experience on the Development of Functional Architecture in hMT+. Cerebral Cortex, 2007, 17, 2933-2939.	1.6	163
29	Journeying beyond classical somatosensory cortex.. Canadian Journal of Experimental Psychology, 2007, 61, 254-264.	0.7	32
30	Dissociating body image and body schema with rubber hands. Behavioral and Brain Sciences, 2007, 30, 211-212.	0.4	21
31	Divide et impera? Towards integrated multisensory perception and action. Behavioral and Brain Sciences, 2007, 30, 202-203.	0.4	0
32	Haptic perception is a dynamic system of cutaneous, proprioceptive, and motor components. Behavioral and Brain Sciences, 2007, 30, 222-223.	0.4	2
33	Disentangling functional from structural descriptions, and the coordinating role of attention. Behavioral and Brain Sciences, 2007, 30, 205-206.	0.4	3
34	Multifaceted functional specialization of somatosensory information processing. Behavioral and Brain Sciences, 2007, 30, 219-220.	0.4	2
35	A call to arms: Somatosensory perception and action. Behavioral and Brain Sciences, 2007, 30, 214-215.	0.4	2
36	Pathways of tactile-visual crossmodal interaction for perception. Behavioral and Brain Sciences, 2007, 30, 218-219.	0.4	1

#	Article	IF	Citations
37	Where are somatosensory representations stored and reactivated?. Behavioral and Brain Sciences, 2007, 30, 206-207.	0.4	4
38	Do intention and exploration modulate the pathways to haptic object identification?. Behavioral and Brain Sciences, 2007, 30, 213-214.	0.4	2
39	Tactile agnosia and tactile apraxia: Cross talk between the action and perception streams in the anterior intraparietal area. Behavioral and Brain Sciences, 2007, 30, 201-202.	0.4	46
40	Somatosensory processes subserving perception and action. Behavioral and Brain Sciences, 2007, 30, 189-201.	0.4	449
41	Early development of body representations. Behavioral and Brain Sciences, 2007, 30, 203-204.	0.4	2
42	How many representations of the body?. Behavioral and Brain Sciences, 2007, 30, 204-205.	0.4	18
43	Considering general organizational principles for dorsal-ventral systems within an action framework. Behavioral and Brain Sciences, 2007, 30, 207-208.	0.4	0
44	Revisiting parallel and serial processing in the somatosensory system. Behavioral and Brain Sciences, 2007, 30, 208-209.	0.4	1
45	Coming to grips with vision and touch. Behavioral and Brain Sciences, 2007, 30, 209-210.	0.4	3
46	Close coordination between recognition and action: Really two separate streams?. Behavioral and Brain Sciences, 2007, 30, 210-211.	0.4	1
47	Skin stimulation, objects of perception, and the blind. Behavioral and Brain Sciences, 2007, 30, 212-213.	0.4	0
48	Divisions within the posterior parietal cortex help touch meet vision. Behavioral and Brain Sciences, 2007, 30, 218-218.	0.4	1
49	Body image and body schema: The shared representation of body image and the role of dynamic body schema in perspective and imitation. Behavioral and Brain Sciences, 2007, 30, 221-222.	0.4	1
50	A hemispheric asymmetry in somatosensory processing. Behavioral and Brain Sciences, 2007, 30, 223-224.	0.4	13
51	Taking a conscious look at the body schema. Behavioral and Brain Sciences, 2007, 30, 216-217.	0.4	3
52	Central role of somatosensory processes in sexual arousal as identified by neuroimaging techniques. Behavioral and Brain Sciences, 2007, 30, 217-217.	0.4	2
53	Somatosensory processing subserving perception and action: Dissociations, interactions, and integration. Behavioral and Brain Sciences, 2007, 30, 224-230.	0.4	61
54	The multiple relations between vision and touch: Neonatal behavioral evidence and adult neuroimaging data. Behavioral and Brain Sciences, 2007, 30, 220-221.	0.4	4

#	Article	IF	Citations
55	The perception-action interaction comes first. Behavioral and Brain Sciences, 2007, 30, 215-216.	0.4	0
56	The Neural Correlates of Human Working Memory for Haptically Explored Object Orientations. Cerebral Cortex, 2007, 17, 1637-1649.	1.6	69
57	The neural basis of haptic object processing.. Canadian Journal of Experimental Psychology, 2007, 61, 219-229.	0.7	79
58	Haptic face processing.. Canadian Journal of Experimental Psychology, 2007, 61, 230-241.	0.7	11
59	Vision and Touch: Multiple or Multisensory Representations of Objects?. Perception, 2007, 36, 1513-1521.	0.5	93
60	Combined Activation and Deactivation of Visual Cortex During Tactile Sensory Processing. Journal of Neurophysiology, 2007, 97, 1633-1641.	0.9	132
61	Perception, memory and aesthetics of indeterminate art. Brain Research Bulletin, 2007, 73, 319-324.	1.4	60
62	Comparing the Effects of Congenital and Late Visual Impairments on Visuospatial Mental Abilities. Journal of Visual Impairment and Blindness, 2007, 101, 278-295.	0.4	14
63	Effects of late visual impairment on mental representations activated by visual and tactile stimuli. Brain Research, 2007, 1148, 170-176.	1.1	26
64	Visual learning by cue-dependent and cue-invariant mechanisms. Vision Research, 2007, 47, 145-156.	0.7	3
65	Multimodal similarity and categorization of novel, three-dimensional objects. Neuropsychologia, 2007, 45, 484-495.	0.7	69
66	Are representations of unfamiliar faces independent of encoding modality?. Neuropsychologia, 2007, 45, 506-513.	0.7	26
67	Pattern recognition using a device substituting audition for vision in blindfolded sighted subjects. Neuropsychologia, 2007, 45, 1108-1121.	0.7	38
68	Imagery and spatial processes in blindness and visual impairment. Neuroscience and Biobehavioral Reviews, 2008, 32, 1346-1360.	2.9	206
69	Haptic Processing of Facial Expressions of Emotion in 2D Raised-Line Drawings. IEEE Transactions on Haptics, 2008, 1, 27-38.	1.8	14
70	Neural and behavioral correlates of drawing in an early blind painter: A case study. Brain Research, 2008, 1242, 252-262.	1.1	19
71	The Influence of Reduced Visual Acuity on Age-Related Decline in Spatial Working Memory: An Investigation. Aging, Neuropsychology, and Cognition, 2008, 15, 687-702.	0.7	8
72	Neuronal substrates of haptic shape encoding and matching: A functional magnetic resonance imaging study. Neuroscience, 2008, 152, 29-39.	1.1	49

#	Article	IF	Citations
73	Tactile flow explains haptic counterparts of common visual illusions. Brain Research Bulletin, 2008, 75, 737-741.	1.4	60
74	Effects of complete monocular deprivation in visuo-spatial memory. Brain Research Bulletin, 2008, 77, 112-116.	1.4	3
75	Neural correlates of object indeterminacy in art compositions. Consciousness and Cognition, 2008, 17, 923-932.	0.8	102
76	A Stable Topography of Selectivity for Unfamiliar Shape Classes in Monkey Inferior Temporal Cortex. Cerebral Cortex, 2008, 18, 1676-1694.	1.6	78
77	Supramodality effects in visual and haptic spatial processes.. Journal of Experimental Psychology: Learning Memory and Cognition, 2008, 34, 631-642.	0.7	28
78	Learning to Perceive Differences in Solid Shape through Vision and Touch. Perception, 2008, 37, 185-196.	0.5	31
79	Neural processing underlying tactile microspatial discrimination in the blind: A functional magnetic resonance imaging study. Journal of Vision, 2008, 8, 13-13.	0.1	70
80	Rapid and Reversible Recruitment of Early Visual Cortex for Touch. PLoS ONE, 2008, 3, e3046.	1.1	225
81	A functional-magnetic-resonance-imaging investigation of cortical activation from moving vibrotactile stimuli on the fingertip. Journal of the Acoustical Society of America, 2009, 125, 1033-1039.	0.5	50
82	Multisensory Integration of Sounds and Vibrotactile Stimuli in Processing Streams for â€œWhatâ€•and â€œWhereâ€• Journal of Neuroscience, 2009, 29, 10950-10960.	1.7	103
83	Do We Really Need Vision? How Blind People â€œSeeâ€•the Actions of Others. Journal of Neuroscience, 2009, 29, 9719-9724.	1.7	134
84	Analogous intermediate shape coding in vision and touch. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 16457-16462.	3.3	74
85	Blindness and Consciousness. , 2009, , 393-406.		3
86	The cognitive and neural correlates of tactile memory.. Psychological Bulletin, 2009, 135, 380-406.	5.5	113
87	Cortical Activation Patterns during Long-term Memory Retrieval of Visually or Haptically Encoded Objects and Locations. Journal of Cognitive Neuroscience, 2009, 21, 58-82.	1.1	20
88	Integrating Visual and Tactile Information in the Perirhinal Cortex. Cerebral Cortex, 2009, 19, 2993-3000.	1.6	67
89	The Human Dorsal Action Control System Develops in the Absence of Vision. Cerebral Cortex, 2009, 19, 1-12.	1.6	226
90	Cross-Modal Transfer in Visual and Haptic Face Recognition. IEEE Transactions on Haptics, 2009, 2, 236-240.	1.8	16

#	Article	IF	Citations
91	I know where you are secretly attending! The topography of human visual attention revealed with fMRI. Vision Research, 2009, 49, 1037-1044.	0.7	58
92	Motion Aftereffects Transfer between Touch and Vision. Current Biology, 2009, 19, 745-750.	1.8	140
93	Direct Tactile Stimulation of Dorsal Occipito-Temporal Cortex in a Visual Agnosic. Current Biology, 2009, 19, 1044-1049.	1.8	26
94	Say it with flowers! An fMRI study of object mediated communication. Brain and Language, 2009, 108, 159-166.	0.8	25
95	Enhanced effectiveness in visuoâ€haptic objectâ€selective brain regions with increasing stimulus salience. Human Brain Mapping, 2010, 31, 678-693.	1.9	49
96	A Putative Model of Multisensory Object Representation. Brain Topography, 2009, 21, 269-274.	0.8	156
97	Cross-modal plasticity for the spatial processing of sounds in visually deprived subjects. Experimental Brain Research, 2009, 192, 343-358.	0.7	228
98	Multisensory visualâ€“tactile object related network in humans: insights gained using a novel crossmodal adaptation approach. Experimental Brain Research, 2009, 198, 165-182.	0.7	101
99	Haptic perception: A tutorial. Attention, Perception, and Psychophysics, 2009, 71, 1439-1459.	0.7	746
100	Category-Specific Organization in the Human Brain Does Not Require Visual Experience. Neuron, 2009, 63, 397-405.	3.8	318
101	Functional Specialization and Convergence in the Occipito-temporal Cortex Supporting Haptic and Visual Identification of Human Faces and Body Parts: An fMRI Study. Journal of Cognitive Neuroscience, 2009, 21, 2027-2045.	1.1	78
102	Recruitment of the middle temporal area by tactile motion in congenital blindness. NeuroReport, 2009, 20, 543-547.	0.6	61
103	A comparison of the effects of depth rotation on visual and haptic three-dimensional object recognition.. Journal of Experimental Psychology: Human Perception and Performance, 2009, 35, 911-930.	0.7	34
104	Warrington and Taylor's 1978 Paper. Perception, 2009, 38, 933-947.	0.5	4
105	The Role of Visual Experience in Mental Scanning of Actual Pathways: Evidence from Blind and Sighted People. Perception, 2010, 39, 953-969.	0.5	31
106	Representing Human Hands Haptically or Visually from First-Person versus Third-Person Perspectives. Perception, 2010, 39, 236-254.	0.5	11
107	Mechanisms of Cross-Modal Plasticity in Early-Blind Subjects. Journal of Neurophysiology, 2010, 104, 2995-3008.	0.9	51
108	Brain science on the way to solving the problem of consciousness. Herald of the Russian Academy of Sciences, 2010, 80, 229-236.	0.2	3

#	Article	IF	Citations
109	Representing actions through their sound. Experimental Brain Research, 2010, 206, 141-151.	0.7	111
110	Haptic Classification of Facial Identity in 2D Displays: Configural versus Feature-Based Processing. IEEE Transactions on Haptics, 2010, 3, 48-55.	1.8	8
111	Crossmodal recruitment of primary visual cortex following brief exposure to bimodal audiovisual stimuli. Neuropsychologia, 2010, 48, 591-600.	0.7	55
112	Working memory for vibrotactile frequencies: Comparison of cortical activity in blind and sighted individuals. Human Brain Mapping, 2010, 31, 1686-1701.	1.9	34
113	Neural reorganization following sensory loss: the opportunity of change. Nature Reviews Neuroscience, 2010, 11, 44-52.	4.9	613
114	Neuroplasticity associated with tactile language communication in a deaf-blind subject. Frontiers in Human Neuroscience, 2010, 3, 60.	1.0	17
115	Effects of Visual Experience on the Human MT+ Functional Connectivity Networks: An fMRI Study of Motion Perception in Sighted and Congenitally Blind Individuals. Frontiers in Systems Neuroscience, 2010, 4, 159.	1.2	43
116	Increased amygdala activation to emotional auditory stimuli in the blind. Brain, 2010, 133, 1729-1736.	3.7	68
117	Cross-modal plasticity of tactile perception in blindness. Restorative Neurology and Neuroscience, 2010, 28, 271-281.	0.4	77
118	Transcranial direct current stimulation of the motor cortex induces distinct changes in thermal and mechanical sensory percepts. Clinical Neurophysiology, 2010, 121, 2083-2089.	0.7	83
119	Beyond visual, aural and haptic movement perception: hMT+ is activated by electrotactile motion stimulation of the tongue in sighted and in congenitally blind individuals. Brain Research Bulletin, 2010, 82, 264-270.	1.4	125
120	Passive tactile recognition of geometrical shape in humans: An fMRI study. Brain Research Bulletin, 2010, 83, 223-231.	1.4	15
121	Brain networks involved in haptic and visual identification of facial expressions of emotion: An fMRI study. NeuroImage, 2010, 49, 1677-1689.	2.1	100
122	Object familiarity modulates the relationship between visual object imagery and haptic shape perception. NeuroImage, 2010, 49, 1977-1990.	2.1	81
123	An Algebra for the Analysis of Object Encoding. NeuroImage, 2010, 50, 1243-1250.	2.1	2
124	Multisensory Object Perception in the Primate Brain. , 2010, , .		10
125	Cortical activity during tactile exploration of objects in blind and sighted humans. Restorative Neurology and Neuroscience, 2010, 28, 143-156.	0.4	107
126	Neuroplasticity of semantic representations for musical instruments in professional musicians. NeuroImage, 2011, 56, 1714-1725.	2.1	77

#	Article	IF	Citations
127	Transformation from image-based to perceptual representation of materials along the human ventral visual pathway. NeuroImage, 2011, 57, 482-494.	2.1	112
128	Dual pathways for haptic and visual perception of spatial and texture information. NeuroImage, 2011, 57, 462-475.	2.1	143
129	Commonality of neural representations of words and pictures. NeuroImage, 2011, 54, 2418-2425.	2.1	117
130	What drives the organization of object knowledge in the brain?. Trends in Cognitive Sciences, 2011, 15, 97-103.	4.0	328
131	The Nature of Consciousness in the Visually Deprived Brain. Frontiers in Psychology, 2011, 2, 19.	1.1	66
132	Tactile Motion and Pattern Processing Assessed with High-Field fMRI. PLoS ONE, 2011, 6, e24860.	1.1	63
133	New light from the dark. Current Opinion in Neurology, 2011, 24, 357-363.	1.8	80
134	Formal models of categorization: insights from cognitive neuroscience. , 0, , 313-324.		1
135	Haptic perception and body representation in lateral and medial occipito-temporal cortices. Neuropsychologia, 2011, 49, 821-829.	0.7	75
136	Modality-Independent Coding of Spatial Layout in the Human Brain. Current Biology, 2011, 21, 984-989.	1.8	125
137	Irrelevant visual faces influence haptic identification of facial expressions of emotion. Attention, Perception, and Psychophysics, 2011, 73, 521-530.	0.7	4
138	Blindness enhances tactile acuity and haptic 3-D shape discrimination. Attention, Perception, and Psychophysics, 2011, 73, 2323-2331.	0.7	76
139	Some Implications of the Problem of â€œConsciousness and the Brainâ€• Neuroscience and Behavioral Physiology, 2011, 41, 83-90.	0.2	0
140	Cortical organization of environmental sounds by attribute. Human Brain Mapping, 2011, 32, 688-698.	1.9	3
141	Cortical network differences in the sighted versus early blind for recognition of humanâ€produced action sounds. Human Brain Mapping, 2011, 32, 2241-2255.	1.9	24
142	Insights from darkness. Progress in Brain Research, 2011, 192, 17-31.	0.9	42
143	Crossmodal plasticity in sensory loss. Progress in Brain Research, 2011, 191, 233-249.	0.9	107
144	Cross-modal Processing in the Occipito-temporal Cortex: A TMS Study of the MÃ¼ller-Lyer Illusion. Journal of Cognitive Neuroscience, 2011, 23, 1987-1997.	1.1	30

#	Article	IF	Citations
145	Differential Activity for Animals and Manipulable Objects in the Anterior Temporal Lobes. Journal of Cognitive Neuroscience, 2011, 23, 2059-2067.	1.1	35
146	The role of occipitotemporal body-selective regions in person perception. Cognitive Neuroscience, 2011, 2, 186-203.	0.6	155
147	Prior visual experience, and perception and memory of shape in people with total blindness. British Journal of Visual Impairment, 2011, 29, 60-81.	0.5	8
148	Functional inhibition of the human middle temporal cortex affects non-visual motion perception: a repetitive transcranial magnetic stimulation study during tactile speed discrimination. Experimental Biology and Medicine, 2011, 236, 138-144.	1.1	29
149	Tactileâ€“Auditory Shape Learning Engages the Lateral Occipital Complex. Journal of Neuroscience, 2011, 31, 7848-7856.	1.7	57
150	Functional specialization for auditoryâ€“spatial processing in the occipital cortex of congenitally blind humans. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 4435-4440.	3.3	287
151	Closely overlapping responses to tools and hands in left lateral occipitotemporal cortex. Journal of Neurophysiology, 2012, 107, 1443-1456.	0.9	170
152	Increased BOLD Variability in the Parietal Cortex and Enhanced Parieto-Occipital Connectivity during Tactile Perception in Congenitally Blind Individuals. Neural Plasticity, 2012, 2012, 1-8.	1.0	42
153	Stone tools, language and the brain in human evolution. Philosophical Transactions of the Royal Society B: Biological Sciences, 2012, 367, 75-87.	1.8	319
154	The brain as a flexible task machine. Current Opinion in Neurology, 2012, 25, 86-95.	1.8	71
155	Visuo-haptic Neuronal Convergence Demonstrated with an Inversely Effective Pattern of BOLD Activation. Journal of Cognitive Neuroscience, 2012, 24, 830-842.	1.1	21
156	Cross-Modal Recruitment of Primary Visual Cortex by Auditory Stimuli in the Nonhuman Primate Brain: A Molecular Mapping Study. Neural Plasticity, 2012, 2012, 1-11.	1.0	5
157	Crossmodal Recruitment of the Ventral Visual Stream in Congenital Blindness. Neural Plasticity, 2012, 2012, 1-9.	1.0	58
158	Sensory Deprivation and Brain Plasticity. Neural Plasticity, 2012, 2012, 1-2.	1.0	15
159	The spatiotopic 'visual' cortex of the blind. , 2012, , .		4
160	The function of consciousness in multisensory integration. Cognition, 2012, 125, 353-364.	1.1	39
161	Reading with Sounds: Sensory Substitution Selectively Activates the Visual Word Form Area in the Blind. Neuron, 2012, 76, 640-652.	3.8	243
162	Sight and Sound Converge to Form Modality-Invariant Representations in Temporoparietal Cortex. Journal of Neuroscience, 2012, 32, 16629-16636.	1.7	37

#	Article	IF	Citations
163	Working memory of somatosensory stimuli: An fMRI study. International Journal of Psychophysiology, 2012, 86, 220-228.	0.5	24
164	Insights into the origins of knowledge from the cognitive neuroscience of blindness. Cognitive Neuropsychology, 2012, 29, 56-84.	0.4	47
165	Computer-aided techniques for chromogenic immunohistochemistry: Status and directions. Computers in Biology and Medicine, 2012, 42, 1012-1025.	3.9	54
166	Decoding Patterns of Human Brain Activity. Annual Review of Psychology, 2012, 63, 483-509.	9.9	304
167	Smoking experience modulates the cortical integration of vision and haptics. NeuroImage, 2012, 59, 547-555.	2.1	12
168	The neural mechanisms of reliability weighted integration of shape information from vision and touch. NeuroImage, 2012, 60, 1063-1072.	2.1	53
169	Applying Plasticity to Visual Rehabilitation in Adulthood. , 2012, , 229-254.		3
170	Building the Brain in the Dark: Functional and Specific Crossmodal Reorganization in the Occipital Cortex of Blind Individuals. , 2012, , 114-137.		9
171	Serial exploration of faces: Comparing vision and touch. Journal of Vision, 2012, 12, 6-6.	0.1	27
172	Specialization and integration of brain responses to object recognition and location detection. Brain and Behavior, 2012, 2, 6-14.	1.0	15
173	Sequential vs simultaneous encoding of spatial information: A comparison between the blind and the sighted. Acta Psychologica, 2012, 139, 382-389.	0.7	21
174	Organization and Reorganization of Sensory-Deprived Cortex. Current Biology, 2012, 22, R168-R173.	1.8	74
175	Repetition learning of vibrotactile temporal sequences: An fMRI study in blind and sighted individuals. Brain Research, 2012, 1433, 69-79.	1.1	3
176	The multisensory brain and its ability to learn music. Annals of the New York Academy of Sciences, 2012, 1252, 179-184.	1.8	38
177	BLIND: a set of semantic feature norms from the congenitally blind. Behavior Research Methods, 2013, 45, 1218-1233.	2.3	42
178	A Neurophysiological Model of the Cognitive Space. Neuroscience and Behavioral Physiology, 2013, 43, 193-199.	0.2	7
179	Neural convergence and divergence in the mammalian cerebral cortex: From experimental neuroanatomy to functional neuroimaging. Journal of Comparative Neurology, 2013, 521, 4097-4111.	0.9	41
180	Tool Selectivity in Left Occipitotemporal Cortex Develops without Vision. Journal of Cognitive Neuroscience, 2013, 25, 1225-1234.	1.1	77

#	Article	IF	Citations
181	Common and distinct neural mechanisms of visual and tactile extinction: A large scale VBM study in sub-acute stroke. NeuroImage: Clinical, 2013, 2, 291-302.	1.4	19
182	Multisensory Imagery. , 2013, , .		42
183	Extrinsic reference frames modify the neural substrates of object-location representations. Neuropsychologia, 2013, 51, 781-788.	0.7	6
184	Healthy aging is associated with increased neural processing of positive valence but attenuated processing of emotional arousal: an fMRI study. Neurobiology of Aging, 2013, 34, 809-821.	1.5	41
185	Selectivity for large nonmanipulable objects in scene-selective visual cortex does not require visual experience. NeuroImage, 2013, 79, 1-9.	2.1	100
186	Face processing in children with ASD: Literature review. Research in Autism Spectrum Disorders, 2013, 7, 444-454.	0.8	26
187	The neural correlates of affect reading: An fMRI study on faces and gestures. Behavioural Brain Research, 2013, 237, 270-277.	1.2	30
188	Cross-modal associations between vision, touch, and audition influence visual search through top-down attention, not bottom-up capture. Attention, Perception, and Psychophysics, 2013, 75, 1892-1905.	0.7	15
189	Sensitive periods for the functional specialization of the neural system for human face processing. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 16760-16765.	3.3	73
190	Body and Object Effectors: The Organization of Object Representations in High-Level Visual Cortex Reflects Bodyâ€“Object Interactions. Journal of Neuroscience, 2013, 33, 18247-18258.	1.7	94
191	Rotation-independent representations for haptic movements. Scientific Reports, 2013, 3, 2595.	1.6	7
192	Perception and recognition. , 0, , 144-160.		1
193	Neural Pathways Conveying Novisual Information to the Visual Cortex. Neural Plasticity, 2013, 2013, 1-14.	1.0	27
194	Sensory Substitution Devices. , 2013, , .		1
195	The Development of Visual Areas Depends Differently on Visual Experience. PLoS ONE, 2013, 8, e53784.	1.1	49
196	Cognitive and Neuroplasticity Mechanisms by Which Congenital or Early Blindness May Confer a Protective Effect Against Schizophrenia. Frontiers in Psychology, 2012, 3, 624.	1.1	42
197	Sensitive and critical periods in visual sensory deprivation. Frontiers in Psychology, 2013, 4, 664.	1.1	80
198	Early visual experience and the recognition of basic facial expressions: involvement of the middle temporal and inferior frontal gyri during haptic identification by the early blind. Frontiers in Human Neuroscience, 2013, 7, 7.	1.0	57

#	Article	IF	Citations
199	MEG reveals a fast pathway from somatosensory cortex to occipital areas via posterior parietal cortex in a blind subject. Frontiers in Human Neuroscience, 2013, 7, 429.	1.0	29
200	The consequences of subtracting the mean pattern in fMRI multivariate correlation analyses. Frontiers in Neuroscience, 2013, 7, 174.	1.4	23
201	Grasping without Sight: Insights from the Congenitally Blind. PLoS ONE, 2014, 9, e110175.	1.1	6
202	Resting state functional connectivity in early blind humans. Frontiers in Systems Neuroscience, 2014, 8, 51.	1.2	84
203	Learning-Based Cross-Modal Plasticity in the Human Brain: Insights from Visual Deprivation fMRI. , 0, , .		2
204	Cross-modal plasticity in the visual system. , 0, , 140-154.		1
206	Nonvisual and Visual Object Shape Representations in Occipitotemporal Cortex: Evidence from Congenitally Blind and Sighted Adults. Journal of Neuroscience, 2014, 34, 163-170.	1.7	67
207	Visuo-haptic multisensory object recognition, categorization, and representation. Frontiers in Psychology, 2014, 5, 730.	1.1	75
208	Haptic Shape Processing in Visual Cortex. Journal of Cognitive Neuroscience, 2014, 26, 1154-1167.	1.1	36
209	Brain systems mediating voice identity processing in blind humans. Human Brain Mapping, 2014, 35, 4607-4619.	1.9	38
210	Revisiting the adaptive and maladaptive effects of crossmodal plasticity. Neuroscience, 2014, 283, 44-63.	1.1	80
211	The blind brain: How (lack of) vision shapes the morphological and functional architecture of the human brain. Experimental Biology and Medicine, 2014, 239, 1414-1420.	1.1	42
212	Object-Specific Semantic Coding in Human Perirhinal Cortex. Journal of Neuroscience, 2014, 34, 4766-4775.	1.7	208
213	Feeling Better. Psychological Science, 2014, 25, 555-565.	1.8	16
214	Modality Dependent Cross-Modal Functional Reorganization Following Congenital Visual Deprivation within Occipital Areas: A Meta-Analysis of Tactile and Auditory Studies. Multisensory Research, 2014, 27, 247-262.	0.6	14
215	Symmetry Detection in Visual Impairment: Behavioral Evidence and Neural Correlates. Symmetry, 2014, 6, 427-443.	1.1	16
216	Functional Signalers of Changes in Visual Stimuli: Cortical Responses to Increments and Decrements in Motion Coherence. Cerebral Cortex, 2014, 24, 110-118.	1.6	26
217	Compensatory plasticity and cross-modal reorganization following early visual deprivation. Neuroscience and Biobehavioral Reviews, 2014, 41, 36-52.	2.9	207

#	Article	IF	Citations
218	Touching on face space: Comparing visual and haptic processing of face shapes. Psychonomic Bulletin and Review, 2014, 21, 995-1002.	1.4	9
219	Distinct and distributed functional connectivity patterns across cortex reflect the domain-specific constraints of object, face, scene, body, and tool category-selective modules in the ventral visual pathway. NeuroImage, 2014, 96, 216-236.	2.1	88
220	The causal role of the lateral occipital complex in visual mirror symmetry detection and grouping: An fMRI-guided TMS study. Cortex, 2014, 51, 46-55.	1.1	75
221	Mind the blind brain to understand the sighted one! Is there a supramodal cortical functional architecture?. Neuroscience and Biobehavioral Reviews, 2014, 41, 64-77.	2.9	135
222	Multisensory perceptual learning and sensory substitution. Neuroscience and Biobehavioral Reviews, 2014, 41, 16-25.	2.9	94
223	Sensory substitution: Closing the gap between basic research and widespread practical visual rehabilitation. Neuroscience and Biobehavioral Reviews, 2014, 41, 3-15.	2.9	165
224	The Brain Network Underlying the Recognition of Hand Gestures in the Blind: The Supramodal Role of the Extrastriate Body Area. Journal of Neuroscience, 2014, 34, 10096-10108.	1.7	44
225	Crossmodal plasticity in the fusiform gyrus of late blind individuals during voice recognition. NeuroImage, 2014, 103, 374-382.	2.1	27
226	Visual Cortex Extrastriate Body-Selective Area Activation in Congenitally Blind People â€œSeeingâ€•by Using Sounds. Current Biology, 2014, 24, 687-692.	1.8	142
227	Are visual texture-selective areas recruited during haptic texture discrimination?. NeuroImage, 2014, 94, 129-137.	2.1	37
228	Multisensory convergence of visual and haptic object preference across development. Neuropsychologia, 2014, 56, 381-392.	0.7	14
229	Spatial imagery in haptic shape perception. Neuropsychologia, 2014, 60, 144-158.	0.7	44
230	Cortical plasticity and preserved function in early blindness. Neuroscience and Biobehavioral Reviews, 2014, 41, 53-63.	2.9	129
231	Allocating structure to function: the strong links between neuroplasticity and natural selection. Frontiers in Human Neuroscience, 2014, 7, 918.	1.0	56
232	Convergent and invariant object representations for sight, sound, and touch. Human Brain Mapping, 2015, 36, 3629-3640.	1.9	31
233	Prevalence of increases in functional connectivity in visual, somatosensory and language areas in congenital blindness. Frontiers in Neuroanatomy, 2015, 9, 86.	0.9	28
234	Multivariate cross-classification: applying machine learning techniques to characterize abstraction in neural representations. Frontiers in Human Neuroscience, 2015, 9, 151.	1.0	111
235	The contributions of vision and haptics to reaching and grasping. Frontiers in Psychology, 2015, 6, 1403.	1.1	22

#	Article	IF	Citations
236	Functional connectivity of visual cortex in the blind follows retinotopic organization principles. Brain, 2015, 138, 1679-1695.	3.7	132
237	Spatial imagery relies on a sensory independent, though sensory sensitive, functional organization within the parietal cortex: A fMRI study of angle discrimination in sighted and congenitally blind individuals. Neuropsychologia, 2015, 68, 59-70.	0.7	27
238	A number-form area in the blind. Nature Communications, 2015, 6, 6026.	5.8	103
239	The role of tactile afference in shaping motor behaviour and implications for prosthetic innovation. Neuropsychologia, 2015, 79, 192-205.	0.7	70
240	Relationship Between Cortical Thickness and Functional Activation in the Early Blind. Cerebral Cortex, 2015, 25, 2035-2048.	1.6	86
241	Functional Connectivity Density in Congenitally and Late Blind Subjects. Cerebral Cortex, 2015, 25, 2507-2516.	1.6	91
242	Attention: the claustrum. Trends in Neurosciences, 2015, 38, 486-495.	4.2	175
243	Remembering Touch. , 2015, , 239-259.		2
244	Neurochemical changes in the pericalcarine cortex in congenital blindness attributable to bilateral anophthalmia. Journal of Neurophysiology, 2015, 114, 1725-1733.	0.9	24
245	Crossmodal enhancement in the LOC for visuohaptic object recognition over development. Neuropsychologia, 2015, 77, 76-89.	0.7	3
246	Preserved Haptic Shape Processing after Bilateral LOC Lesions. Journal of Neuroscience, 2015, 35, 13745-13760.	1.7	24
247	Neural correlates associated with superior tactile symmetry perception in the early blind. Cortex, 2015, 63, 104-117.	1.1	40
248	Simultaneous Assessment of White Matter Changes in Microstructure and Connectedness in the Blind Brain. Neural Plasticity, 2016, 2016, 1-12.	1.0	32
249	Interplay between Heightened Temporal Variability of Spontaneous Brain Activity and Task-Evoked Hyperactivation in the Blind. Frontiers in Human Neuroscience, 2016, 10, 632.	1.0	7
250	Are Supramodality and Cross-Modal Plasticity the Yin and Yang of Brain Development? From Blindness to Rehabilitation. Frontiers in Systems Neuroscience, 2016, 10, 89.	1.2	65
251	Editorial: Multisensory Integration: Brain, Body, and World. Frontiers in Psychology, 2015, 6, 2046.	1.1	12
252	When Neuroscience â€˜Touchesâ€™ Architecture: From Hapticity to a Supramodal Functioning of the Human Brain. Frontiers in Psychology, 2016, 7, 866.	1.1	30
253	PictureSensation â€“ a mobile application to help the blind explore the visual world through touch and sound. Journal of Rehabilitation and Assistive Technologies Engineering, 2016, 3, 205566831667458.	0.6	5

#	Article	IF	Citations
254	Synthetic Strategies toward Natural Products Containing Contiguous Stereogenic Quaternary Carbon Atoms. Angewandte Chemie - International Edition, 2016, 55, 4156-4186.	7.2	280
255	Strategien fÃ¼r die Synthese von Naturstoffen mit benachbarten stereogenen quartÃren Kohlenstoffatomen. Angewandte Chemie, 2016, 128, 4226-4258.	1.6	78
257	The Brain Network for Haptic Object Recogniton. , 2016, , 21-37.		5
258	How concepts are encoded in the human brain: A modality independent, category-based cortical organization of semantic knowledge. NeuroImage, 2016, 135, 232-242.	2.1	50
259	The Large-Scale Organization of Object-Responsive Cortex Is Reflected in Resting-State Network Architecture. Cerebral Cortex, 2017, 27, 4933-4945.	1.6	23
260	fMRI-based Multivariate Pattern Analyses Reveal Imagery Modality and Imagery Content Specific Representations in Primary Somatosensory, Motor and Auditory Cortices. Cerebral Cortex, 2016, 27, 3994-4009.	1.6	16
261	Feeling form: the neural basis of haptic shape perception. Journal of Neurophysiology, 2016, 115, 631-642.	0.9	66
262	A Cognitive Approach to Audio Description. , 2016, , 49-73.		9
264	The neural representation of objects formed through the spatiotemporal integration of visual transients. NeuroImage, 2016, 142, 67-78.	2.1	17
265	Congenital blindness affects diencephalic but not mesencephalic structures in the human brain. Brain Structure and Function, 2016, 221, 1465-1480.	1.2	46
266	Crossmodal and Multisensory Interactions Between Vision and Touch. , 2016, , 301-315.		8
267	Reliability of dissimilarity measures for multi-voxel pattern analysis. NeuroImage, 2016, 137, 188-200.	2.1	413
268	Blindness alters the microstructure of the ventral but not the dorsal visual stream. Brain Structure and Function, 2016, 221, 2891-2903.	1.2	28
269	GRAPESâ€"Grounding representations in action, perception, and emotion systems: How object properties and categories are represented in the human brain. Psychonomic Bulletin and Review, 2016, 23, 979-990.	1.4	255
270	The neural basis of mirror symmetry detection: a review. Journal of Cognitive Psychology, 2017, 29, 259-268.	0.4	30
271	Multisensory coding in the multiple-demand regions: vibrotactile task information is coded in frontoparietal cortex. Journal of Neurophysiology, 2017, 118, 703-716.	0.9	10
272	Sensorimotor-independent development of hands and tools selectivity in the visual cortex. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 4787-4792.	3.3	34
273	Auditory object perception: A neurobiological model and prospective review. Neuropsychologia, 2017, 105, 223-242.	0.7	29

#	Article	IF	Citations
274	An appeal against the item's death sentence: Accounting for diagnostic data patterns with an item-based model of visual search. Behavioral and Brain Sciences, 2017, 40, e148.	0.4	4
275	Parallel attentive processing and pre-attentive guidance. Behavioral and Brain Sciences, 2017, 40, e149.	0.4	2
276	What fixations reveal about oculomotor scanning behavior in visual search. Behavioral and Brain Sciences, 2017, 40, e155.	0.4	2
277	Item-based selection is in good shape in visual compound search: A view from electrophysiology. Behavioral and Brain Sciences, 2017, 40, e156.	0.4	0
278	Cognitive architecture enables comprehensive predictive models of visual search. Behavioral and Brain Sciences, 2017, 40, e142.	0.4	0
279	Development of visual category selectivity in ventral visual cortex does not require visual experience. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E4501-E4510.	3.3	113
280	Searching for unity: Real-world versus item-based visual search in age-related eye disease. Behavioral and Brain Sciences, 2017, 40, e135.	0.4	6
281	Analysing real-world visual search tasks helps explain what the functional visual field is, and what its neural mechanisms are. Behavioral and Brain Sciences, 2017, 40, e133.	0.4	0
282	Manganeseâ€enhanced MR imaging (MEMRI) combined with electrophysiology in the study of crossâ€modal plasticity in binocularly blind rats. International Journal of Developmental Neuroscience, 2017, 61, 12-20.	0.7	2
283	Set size slope still does not distinguish parallel from serial search. Behavioral and Brain Sciences, 2017, 40, e145.	0.4	5
284	Contextual and social cues may dominate natural visual search. Behavioral and Brain Sciences, 2017, 40, e139.	0.4	0
285	The FVF framework and target prevalence effects. Behavioral and Brain Sciences, 2017, 40, e147.	0.4	1
286	The â€œitemâ€•as a window into how prior knowledge guides visual search. Behavioral and Brain Sciences, 2017, 40, e162.	0.4	0
287	Tactile object categories can be decoded from the parietal and lateral-occipital cortices. Neuroscience, 2017, 352, 226-235.	1.1	14
288	Lithium Enolates in the Enantioselective Construction of Tetrasubstituted Carbon Centers with Chiral Lithium Amides as Noncovalent Stereodirecting Auxiliaries. Journal of the American Chemical Society, 2017, 139, 527-533.	6.6	53
289	State-dependent modulation of functional connectivity in early blind individuals. NeuroImage, 2017, 147, 532-541.	2.1	34
290	Until the demise of the functional field of view. Behavioral and Brain Sciences, 2017, 40, e140.	0.4	0
291	Why the item will remain the unit of attentional selection in visual search. Behavioral and Brain Sciences, 2017, 40, e137.	0.4	0

#	Article	IF	Citations
292	Neurophysiological evidence for enhanced tactile acuity in early blindness in some but not all haptic tasks. NeuroImage, 2017, 162, 23-31.	2.1	17
293	On the brink: The demise of the item in visual search moves closer. Behavioral and Brain Sciences, 2017, 40, e163.	0.4	15
294	â€œI am not dead yet!â€Ââ€“ÂThe Item responds to Hulleman & Olivers. Behavioral and Brain Sciences, 2017, 40, e161.	0.4	4
295	How functional are functional viewing fields?. Behavioral and Brain Sciences, 2017, 40, e143.	0.4	1
296	The FVF might be influenced by object-based attention. Behavioral and Brain Sciences, 2017, 40, e157.	0.4	0
297	Scanning movements during haptic search: similarity with fixations during visual search. Behavioral and Brain Sciences, 2017, 40, e151.	0.4	0
298	Task implementation and top-down control in continuous search. Behavioral and Brain Sciences, 2017, 40, e153.	0.4	0
299	Recruitment of Foveal Retinotopic Cortex During Haptic Exploration of Shapes and Actions in the Dark. Journal of Neuroscience, 2017, 37, 11572-11591.	1.7	35
300	Feature integration, attention, and fixations during visual search. Behavioral and Brain Sciences, 2017, 40, e141.	0.4	0
301	Plastic reorganization of neural systems for perception of others in the congenitally blind. NeuroImage, 2017, 158, 126-135.	2.1	23
302	Gaze-contingent manipulation of the FVF demonstrates the importance of fixation duration for explaining search behavior. Behavioral and Brain Sciences, 2017, 40, e144.	0.4	0
303	â€œTarget-absentâ€•decisions in cancer nodule detection are more efficient than â€œtarget-presentâ€• decisions!. Behavioral and Brain Sciences, 2017, 40, e136.	0.4	1
304	Those pernicious items. Behavioral and Brain Sciences, 2017, 40, e154.	0.4	3
305	Don't admit defeat: A new dawn for the item in visual search. Behavioral and Brain Sciences, 2017, 40, e159.	0.4	0
306	Chances and challenges for an active visual search perspective. Behavioral and Brain Sciences, 2017, 40, e150.	0.4	0
307	Where the item still rules supreme: Time-based selection, enumeration, pre-attentive processing and the target template?. Behavioral and Brain Sciences, 2017, 40, e160.	0.4	0
308	(CON)TATTO. Image and Mental Imagery in Childhood Visual Impairment. Proceedings (mdpi), 2017, 1, .	0.2	1
309	Multivariate pattern analysis for MEG: A comparison of dissimilarity measures. NeuroImage, 2018, 173, 434-447.	2.1	122

#	Article	IF	Citations
310	On my right or on your left? Spontaneous spatial perspective taking in blind people. Consciousness and Cognition, 2018, 62, 1-8.	0.8	4
311	Functional Preference for Object Sounds and Voices in the Brain of Early Blind and Sighted Individuals. Journal of Cognitive Neuroscience, 2018, 30, 86-106.	1.1	35
312	Hearing Shapes: Event-related Potentials Reveal the Time Course of Auditoryâ€“Visual Sensory Substitution. Journal of Cognitive Neuroscience, 2018, 30, 498-513.	1.1	3
313	A Model Device for Real-Time Monitoring of Cognitive Activity in Humans (the â€œCognovisorâ€). Neuroscience and Behavioral Physiology, 2018, 48, 1120-1127.	0.2	0
314	A bio-inspired SOSNN model for object recognition. , 2018, , .		4
315	Neuronal populations in the occipital cortex of the blind synchronize to the temporal dynamics of speech. ELife, 2018, 7, .	2.8	35
316	How Areal Specification Shapes the Local and Interareal Circuits in a Macaque Model of Congenital Blindness. Cerebral Cortex, 2018, 28, 3017-3034.	1.6	24
317	Brain (re)organization following visual loss. Wiley Interdisciplinary Reviews: Cognitive Science, 2019, 10, e1468.	1.4	21
318	Peripheral sounds elicit stronger activity in contralateral occipital cortex in blind than sighted individuals. Scientific Reports, 2019, 9, 11637.	1.6	5
319	Properties of cross-modal occipital responses in early blindness: An ALE meta-analysis. NeuroImage: Clinical, 2019, 24, 102041.	1.4	16
320	Learning face perception without vision: Rebound learning effect and hemispheric differences in congenital vs late-onset blindness. IS&T International Symposium on Electronic Imaging, 2019, 31, 237-1-237-13.	0.3	2
321	The role of gesture as simulated action in reinterpretation of mental imagery. Acta Psychologica, 2019, 197, 131-142.	0.7	5
322	Working memory training integrates visual cortex into beta-band networks in congenitally blind individuals. NeuroImage, 2019, 194, 259-271.	2.1	11
323	Distinctive Interaction Between Cognitive Networks and the Visual Cortex in Early Blind Individuals. Cerebral Cortex, 2019, 29, 4725-4742.	1.6	29
324	Unpaired Image-to-Speech Synthesis With Multimodal Information Bottleneck. , 2019, , .		16
325	Cortical Regions Encoding Hardness Perception Modulated by Visual Information Identified by Functional Magnetic Resonance Imaging With Multivoxel Pattern Analysis. Frontiers in Systems Neuroscience, 2019, 13, 52.	1.2	3
326	Gesture as simulated action: Revisiting the framework. Psychonomic Bulletin and Review, 2019, 26, 721-752.	1.4	114
327	Unique Features of Subcortical Circuits in a Macaque Model of Congenital Blindness. Cerebral Cortex, 2020, 30, 1407-1421.	1.6	3

#	Article	IF	Citations
328	The sensory-deprived brain as a unique tool to understand brain development and function. Neuroscience and Biobehavioral Reviews, 2020, 108, 78-82.	2.9	14
329	Different neural representations for detection of symmetry in dot-patterns and in faces: A state-dependent TMS study. Neuropsychologia, 2020, 138, 107333.	0.7	2
330	Are critical periods reversible in the adult brain? Insights on cortical specializations based on sensory deprivation studies. Neuroscience and Biobehavioral Reviews, 2020, 116, 494-507.	2.9	33
331	Mixing up the Senses: Sensory Substitution Is Not a Form of Artificially Induced Synaesthesia. Multisensory Research, 2020, 34, 297-322.	0.6	3
332	How visual is the Â« number sense Â»? Insights from the blind. Neuroscience and Biobehavioral Reviews, 2020, 118, 290-297.	2.9	6
333	Visual experience is not necessary for the development of face-selectivity in the lateral fusiform gyrus. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 23011-23020.	3.3	54
334	Shape Recognition With Sounds: Improvement in Sighted Individuals After Audioâ€“Motor Training. Multisensory Research, 2020, 33, 417-431.	0.6	6
335	Compensatory Cross-Modal Plasticity Persists After Sight Restoration. Frontiers in Neuroscience, 2020, 14, 291.	1.4	9
336	Visual experiences during letter production contribute to the development of the neural systems supporting letter perception. Developmental Science, 2020, 23, e12965.	1.3	11
337	Roles of Category, Shape, and Spatial Frequency in Shaping Animal and Tool Selectivity in the Occipitotemporal Cortex. Journal of Neuroscience, 2020, 40, 5644-5657.	1.7	12
338	Visuo-haptic object perception. , 2020, , 157-178.		5
339	Neuroplasticity in adult human visual cortex. Neuroscience and Biobehavioral Reviews, 2020, 112, 542-552.	2.9	79
340	New Vision for Visual Prostheses. Frontiers in Neuroscience, 2020, 14, 36.	1.4	33
341	Hemispheric Organization for Visual Object Recognition: A Theoretical Account and Empirical Evidence. Perception, 2020, 49, 373-404.	0.5	61
342	Mental Rotation of Digitally-Rendered Haptic Objects by the Visually-Impaired. Frontiers in Neuroscience, 2020, 14, 197.	1.4	5
343	Crossmodal reorganisation in deafness: Mechanisms for functional preservation and functional change. Neuroscience and Biobehavioral Reviews, 2020, 113, 227-237.	2.9	37
344	Social cognition in the blind brain: A coordinateâ€based metaâ€analysis. Human Brain Mapping, 2021, 42, 1243-1256.	1.9	11
345	Visuo-haptic transfer for object recognition in children with peripheral visual impairment. Vision Research, 2021, 178, 12-17.	0.7	3

#	Article	IF	Citations
346	Meta-Analyses Support a Taxonomic Model for Representations of Different Categories of Audio-Visual Interaction Events in the Human Brain. Cerebral Cortex Communications, 2021, 2, tgab002.	0.7	4
347	Evaluation of Memory and Language Network in Children and Adolescents with Visual Impairment: A Combined Functional Connectivity and Voxel-based Morphometry Study. Neuro-Ophthalmology, 2021, 45, 147-161.	0.4	0
349	Visual experience dependent plasticity in humans. Current Opinion in Neurobiology, 2021, 67, 155-162.	2.0	21
351	Viewing personalized video clips recommended by TikTok activates default mode network and ventral tegmental area. NeuroImage, 2021, 237, 118136.	2.1	22
353	Functional Magnetic Resonance Imaging: Design and Analysis. , 2022, , 114-125.		0
354	Cross-modal Involvement of Visual Cortex in Tactile Perception. , 2007, , 119-134.		2
355	Haptic Face Processing and Its Relation to Vision. , 2010, , 273-300.		6
356	Multisensory Functional Magnetic Resonance Imaging. , 2010, , 83-92.		3
357	Multisensorische Informationsverarbeitung. , 2017, , 75-101.		5
358	Blindness and Consciousness: New Light from the Dark. , 2009, , 360-374.		11
359	The Effects of Visual Deprivation After Infancy. , 2011, , 750-766.		4
360	Cross-Modal and Multisensory Interactions between Vision and Touch. , 2008, , 393-404.		1
361	The Perceptual Nature of the Cross-Modal Priming Effect. Experimental Psychology, 2010, 57, 376-382.	0.3	31
362	Decoding â€œusâ€•and â€œthemâ€: Neural representations of generalized group concepts.. Journal of Experimental Psychology: General, 2017, 146, 621-631.	1.5	41
373	Perception of Biological Motion in Schizophrenia and Healthy Individuals: A Behavioral and fMRI Study. PLoS ONE, 2011, 6, e19971.	1.1	80
374	Spatial Language Processing in the Blind: Evidence for a Supramodal Representation and Cortical Reorganization. PLoS ONE, 2011, 6, e24253.	1.1	18
375	Beyond Motor Scheme: A Supramodal Distributed Representation in the Action-Observation Network. PLoS ONE, 2013, 8, e58632.	1.1	22
376	Multivoxel Pattern Analysis Reveals Auditory Motion Information in MT+ of Both Congenitally Blind and Sighted Individuals. PLoS ONE, 2013, 8, e63198.	1.1	25

#	Article	IF	Citations
377	Right Occipital Cortex Activation Correlates with Superior Odor Processing Performance in the Early Blind. PLoS ONE, 2013, 8, e71907.	1.1	39
379	Seeing Shapes and Hearing Textures: Two Neural Categories of Touch. The Open Neuroscience Journal, 2011, 5, 8-15.	0.8	5
380	From Inclusion to Creativity Through Haptic Drawing: Unleashing the â€Untouchedâ€œ in Educational Contexts. The Open Education Journal, 2011, 4, 67-79.	0.6	7
381	Seeing with the mind's eye: top-down, bottom-up, and conscious awareness. F1000 Biology Reports, 2010, 2, .	4.0	6
382	Massage Therapy for Cancer Patients: A Reciprocal Relationship between Body and Mind. Current Oncology, 2007, 14, 45-56.	0.9	62
383	BLIND: a set of semantic feature norms from the congenitally blind. , 2013, 45, 1218.		1
384	Crossmodal and multisensory interactions between vision and touch. Scholarpedia Journal, 2015, 10, 7957.	0.3	9
385	Categorical representation from sound and sight in the ventral occipito-temporal cortex of sighted and blind. ELife, 2020, 9, .	2.8	56
386	The Conceptual Format Debate and the Challenge from (Global) Supramodality. British Journal for the Philosophy of Science, 0, , .	1.4	1
387	Standardized Neurocognitive Assessment of Traumatic Brain Injury. , 2003, , .		0
388	About Implicit and Explicit Shape Representation. Lecture Notes in Computer Science, 2006, , 141-158.	1.0	1
389	Activation of the visual cortex by Braille reading in blind subjects. , 2006, , 377-394.		0
390	Standardized Neurocognitive Assessment of Traumatic Brain Injury. , 2007, , 247-328.		0
391	Representation of Object Form in Vision and Touch. Frontiers in Neuroscience, 2011, , 179-188.	0.0	2
392	Visual Imagery in Haptic Shape Perception. , 2013, , 207-219.		3
393	Imaging Perception. , 2014, , 157-190.		0
394	Active Movements Generate Rotation-Independent Representations for Haptic Movements. Interdisciplinary Information Sciences, 2015, 21, 115-123.	0.2	1
400	Vision and Higher Cortical Function. , 2019, , 67-80.		0

#	Article	IF	Citations
402	Analysis of creative and logical-spatial skills in blind children and adolescents. International Journal of Developmental and Educational Psychology Revista INFAD De PsicologÃa, 2019, 1, 241.	0.0	1
405	Cross-Modal and Multisensory Interactions Between Vision and Touch. , 2020, , 324-332.		0
406	Creativity and Logical-Spatial Skills in Blind and Visual Impaired Adolescents. First Results of the FIRD Project. Psychology, 2020, 11, 404-418.	0.3	0
407	Functional Exploration Studies of Supramodal Organization in the Human Extrastriate Cortex. Springer Tracts in Advanced Robotics, 2008, , 7-24.	0.3	0
408	Loss of Action-Related Function and Connectivity in the Blind Extrastriate Body Area. SSRN Electronic Journal, 0, , .	0.4	0
409	Preference for animate domain sounds in the fusiform gyrus of blind individuals is modulated by shapeâ€"action mapping. Cerebral Cortex, 2022, 32, 4913-4933.	1.6	4
410	Naturalistic Audio-Movies reveal common spatial organization across â€œvisualâ€•cortices of different blind individuals. Cerebral Cortex, 2022, 33, 1-10.	1.6	3
411	A natural history of vision loss: Insight from evolution for human visual function. Neuroscience and Biobehavioral Reviews, 2022, 134, 104550.	2.9	3
412	Asymmetric switch cost between subitizing and estimation in tactile modality. Current Psychology, 0, , 1.	1.7	0
415	Congenitally blind adults can learn to identify face-shapes via auditory sensory substitution and successfully generalize some of the learned features. Scientific Reports, 2022, 12, 4330.	1.6	4
416	Face neurons encode nonsemantic features. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2118705119.	3.3	4
417	Early visual exposure primes future cross-modal specialization of the fusiform face area in tactile face processing in the blind. NeuroImage, 2022, 253, 119062.	2.1	2
418	Searching for individual multi-sensory fingerprints and their links with adiposity â€" New insights from meta-analyses and empirical data. Food Quality and Preference, 2022, 99, 104574.	2.3	7
424	Spatial Memory and Blindness: The Role of Visual Loss on the Exploration and Memorization of Spatialized Sounds. Frontiers in Psychology, 0, 13, .	1.1	0
425	Evidence for Independent Processing of Shape by Vision and Touch. ENeuro, 2022, 9, ENEURO.0502-21.2022.	0.9	0
427	Alteration of resting-state functional connectivity network properties in patients with social anxiety disorder after virtual reality-based self-training. Frontiers in Psychiatry, 0, 13, .	1.3	3
428	Impact of blindness onset on the representation of sound categories in occipital and temporal cortices. ELife, 0, 11, .	2.8	4
429	Face shape processing via visual-to-auditory sensory substitution activates regions within the face processing networks in the absence of visual experience. Frontiers in Neuroscience, 0, 16, .	1.4	1

#	Article	IF	Citations
431	Gyrification in relation to cortical thickness in the congenitally blind. Frontiers in Neuroscience, 0, 16, .	1.4	1
432	Tactile expectancy modulates occipital alpha oscillations in early blindness. NeuroImage, 2023, 265, 119790.	2.1	0
434	Neural Modeling and Real-Time Environment Training of Human Binocular Stereo Visual Tracking. Cognitive Computation, 0, , .	3.6	0
435	Visually impaired people and grocery shopping in store: First evidence from brain oscillations electroencephalogram. Human Factors and Ergonomics in Manufacturing, 0, , .	1.4	0
436	Rethinking modality-specificity in the cognitive neuroscience of concrete word meaning: a position paper. Language, Cognition and Neuroscience, 0, , 1-23.	0.7	7
437	Activation of human visual area V6 during egocentric navigation with and without visual experience. Current Biology, 2023, 33, 1211-1219.e5.	1.8	2
438	Shape detection beyond the visual field using a visual-to-auditory sensory augmentation device. Frontiers in Human Neuroscience, 0, 17, .	1.0	1
439	Loss of action-related function and connectivity in the blind extrastriate body area. Frontiers in Neuroscience, 0, 17, .	1.4	0
440	Evolution of cortical geometry and its link to function, behaviour and ecology. Nature Communications, 2023, 14, .	5.8	5