

Christian Keyzers

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

114
papers

18,624
citations

58
h-index

136
g-index

140
ext. papers

21,580
ext. citations

6.7
avg, IF

6.94
L-index

#	Paper	IF	Citations
114	Predictive coding during action observation - A depth-resolved intersubject functional correlation study at 7T.. <i>Cortex</i> , 2022 , 148, 121-138	3.8	0
113	Neural mechanisms necessary for empathy-related phenomena across species. <i>Current Opinion in Neurobiology</i> , 2021 , 68, 107-115	7.6	8
112	Emotional contagion: Improving survival by preparing for socially sensed threats. <i>Current Biology</i> , 2021 , 31, R728-R730	6.3	0
111	Does higher sampling rate (multiband + SENSE) improve group statistics - An example from social neuroscience block design at 3T. <i>NeuroImage</i> , 2020 , 213, 116731	7.9	9
110	Bayesian statistics show a lack of change in excitability following bi-hemispheric HD-TDCS over the primary somatosensory cortices. <i>Brain Stimulation</i> , 2020 , 13, 640-642	5.1	1
109	Harm to Others Acts as a Negative Reinforcer in Rats. <i>Current Biology</i> , 2020 , 30, 949-961.e7	6.3	25
108	Using Bayes factor hypothesis testing in neuroscience to establish evidence of absence. <i>Nature Neuroscience</i> , 2020 , 23, 788-799	25.5	128
107	Similar levels of emotional contagion in male and female rats. <i>Scientific Reports</i> , 2020 , 10, 2763	4.9	6
106	Changes in brain activity following the voluntary control of empathy. <i>NeuroImage</i> , 2020 , 216, 116529	7.9	8
105	Obedying orders reduces vicarious brain activation towards victims' pain. <i>NeuroImage</i> , 2020 , 222, 117251	7.9	9
104	Early Life Adversity and Adult Social Behavior: Focus on Arginine Vasopressin and Oxytocin as Potential Mediators. <i>Frontiers in Behavioral Neuroscience</i> , 2019 , 13, 143	3.5	20
103	Measuring shared responses across subjects using intersubject correlation. <i>Social Cognitive and Affective Neuroscience</i> , 2019 , 14, 667-685	4	95
102	Emotional Mirror Neurons in the Rat's Anterior Cingulate Cortex. <i>Current Biology</i> , 2019 , 29, 1301-1312.e6	6.3	79
101	Negativity-bias in forming beliefs about own abilities. <i>Scientific Reports</i> , 2019 , 9, 14416	4.9	7
100	Action perception recruits the cerebellum and is impaired in patients with spinocerebellar ataxia. <i>Brain</i> , 2019 , 142, 3791-3805	11.2	16
99	Bidirectional cingulate-dependent danger information transfer across rats. <i>PLoS Biology</i> , 2019 , 17, e3000524	9.7	19
98	Representing Multiple Observed Actions in the Motor System. <i>Cerebral Cortex</i> , 2019 , 29, 3631-3641	5.1	10

97	What neuromodulation and lesion studies tell us about the function of the mirror neuron system and embodied cognition. <i>Current Opinion in Psychology</i> , 2018 , 24, 35-40	6.2	16
96	The causal role of the somatosensory cortex in prosocial behaviour. <i>ELife</i> , 2018 , 7,	8.9	33
95	Neural Correlates of Empathy in Humans, and the Need for Animal Models 2018 , 37-52		4
94	O6.2. NEUROBIOLOGY OF PSYCHOMETRIC SCHIZOTYPY: INSIGHTS FROM MULTIMODAL IMAGING RESEARCH. <i>Schizophrenia Bulletin</i> , 2018 , 44, S89-S90	1.3	78
93	Where and how our brain represents the temporal structure of observed action. <i>NeuroImage</i> , 2018 , 183, 677-697	7.9	11
92	Corticolimbic hyper-response to emotion and glutamatergic function in people with high schizotypy: a multimodal fMRI-MRS study. <i>Translational Psychiatry</i> , 2017 , 7, e1083	8.6	15
91	A Plea for Cross-species Social Neuroscience. <i>Current Topics in Behavioral Neurosciences</i> , 2017 , 30, 179-194	3.4	12
90	Primary somatosensory contribution to action observation brain activity-combining fMRI and cTBS. <i>Social Cognitive and Affective Neuroscience</i> , 2016 , 11, 1205-17	4	30
89	The Anatomy of Suffering: Understanding the Relationship between Nociceptive and Empathic Pain. <i>Trends in Cognitive Sciences</i> , 2016 , 20, 249-259	14	119
88	Is Brain Activity during Action Observation Modulated by the Perceived Fairness of the Actor?. <i>PLoS ONE</i> , 2016 , 11, e0145350	3.7	5
87	From Vicarious Actions to Moral Behavior. <i>Issues in Science and Religion: Publications of the European Society for the Study of Science and Theology</i> , 2016 , 99-118	0.1	2
86	Increased Functional Connectivity Between Subcortical and Cortical Resting-State Networks in Autism Spectrum Disorder. <i>JAMA Psychiatry</i> , 2015 , 72, 767-77	14.5	185
85	Responsibility modulates pain-matrix activation elicited by the expressions of others in pain. <i>NeuroImage</i> , 2015 , 114, 371-8	7.9	30
84	cTBS delivered to the left somatosensory cortex changes its functional connectivity during rest. <i>NeuroImage</i> , 2015 , 114, 386-397	7.9	42
83	Weight dependent modulation of motor resonance induced by weight estimation during observation of partially occluded lifting actions. <i>Neuropsychologia</i> , 2015 , 66, 237-45	3.2	15
82	Neural pathways of embarrassment and their modulation by social anxiety. <i>NeuroImage</i> , 2015 , 119, 252-261	7.9	75
81	Object visibility alters the relative contribution of ventral visual stream and mirror neuron system to goal anticipation during action observation. <i>NeuroImage</i> , 2015 , 105, 380-94	7.9	15
80	Oxytocin reduces neural activity in the pain circuitry when seeing pain in others. <i>NeuroImage</i> , 2015 , 113, 217-224	7.9	47

79	Repeated Witnessing of Conspecifics in Pain: Effects on Emotional Contagion. <i>PLoS ONE</i> , 2015 , 10, e0136979	22
78	Dissociating the ability and propensity for empathy. <i>Trends in Cognitive Sciences</i> , 2014 , 18, 163-6	14 92
77	Hebbian learning and predictive mirror neurons for actions, sensations and emotions. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2014 , 369, 20130175	5.8 99
76	Reply: Spontaneous versus deliberate vicarious representations: different routes to empathy in psychopathy and autism. <i>Brain</i> , 2014 , 137, e273	11.2 18
75	Functional magnetic resonance imaging connectivity analyses reveal efference-copy to primary somatosensory area, BA2. <i>PLoS ONE</i> , 2014 , 9, e84367	3.7 16
74	Inter-individual differences in audio-motor learning of piano melodies and white matter fiber tract architecture. <i>Human Brain Mapping</i> , 2014 , 35, 2483-97	5.9 33
73	Hebbian Learning is about contingency, not contiguity, and explains the emergence of predictive mirror neurons. <i>Behavioral and Brain Sciences</i> , 2014 , 37, 205-6	0.9 10
72	The autism brain imaging data exchange: towards a large-scale evaluation of the intrinsic brain architecture in autism. <i>Molecular Psychiatry</i> , 2014 , 19, 659-67	15.1 1182
71	Neural activities during affective processing in people with Alzheimer's disease. <i>Neurobiology of Aging</i> , 2013 , 34, 706-15	5.6 17
70	Mirroring fear in the absence of a functional amygdala. <i>Biological Psychiatry</i> , 2013 , 73, e9-11	7.9 15
69	Reduced spontaneous but relatively normal deliberate vicarious representations in psychopathy. <i>Brain</i> , 2013 , 136, 2550-62	11.2 222
68	EEG sensorimotor correlates of translating sounds into actions. <i>Frontiers in Neuroscience</i> , 2013 , 7, 203	5.1 23
67	Vicarious neural processing of outcomes during observational learning. <i>PLoS ONE</i> , 2013 , 8, e73879	3.7 34
66	Brain-to-brain coupling: a mechanism for creating and sharing a social world. <i>Trends in Cognitive Sciences</i> , 2012 , 16, 114-21	14 635
65	Learning piano melodies in visuo-motor or audio-motor training conditions and the neural correlates of their cross-modal transfer. <i>NeuroImage</i> , 2012 , 63, 966-78	7.9 30
64	Probabilistic tractography recovers a rostrocaudal trajectory of connectivity variability in the human insular cortex. <i>Human Brain Mapping</i> , 2012 , 33, 2005-34	5.9 200
63	Primary somatosensory cortex discriminates affective significance in social touch. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, E1657-66	11.5 195
62	Age-related increase in inferior frontal gyrus activity and social functioning in autism spectrum disorder. <i>Biological Psychiatry</i> , 2011 , 69, 832-8	7.9 70

61	The effect of intra- and inter-subject variability of hemodynamic responses on group level Granger causality analyses. <i>NeuroImage</i> , 2011 , 57, 22-36	7.9	80
60	Mapping the flow of information within the putative mirror neuron system during gesture observation. <i>NeuroImage</i> , 2011 , 57, 37-44	7.9	137
59	The impact of certain methodological choices on multivariate analysis of fMRI data with support vector machines. <i>NeuroImage</i> , 2011 , 54, 1159-67	7.9	24
58	Broca's Area: Linking Perception and Production in Language and Actions. <i>On Thinking</i> , 2011 , 169-184		1
57	Experience modulates vicarious freezing in rats: a model for empathy. <i>PLoS ONE</i> , 2011 , 6, e21855	3.7	119
56	Diagnosing autism spectrum disorders in adults: the use of Autism Diagnostic Observation Schedule (ADOS) module 4. <i>Journal of Autism and Developmental Disorders</i> , 2011 , 41, 1256-66	4.6	119
55	How to Make Social Neuroscience Social. <i>Psychological Inquiry</i> , 2011 , 22, 210-216	2	4
54	Puddles, parties, and professors: linking word categorization to neural patterns of visuospatial coding. <i>Journal of Cognitive Neuroscience</i> , 2011 , 23, 2636-49	3.1	26
53	Suppression during action observation and execution correlates with BOLD in dorsal premotor, inferior parietal, and SI cortices. <i>Journal of Neuroscience</i> , 2011 , 31, 14243-9	6.6	205
52	Synchronized drumming enhances activity in the caudate and facilitates prosocial commitment--if the rhythm comes easily. <i>PLoS ONE</i> , 2011 , 6, e27272	3.7	147
51	Somatosensation in social perception. <i>Nature Reviews Neuroscience</i> , 2010 , 11, 417-28	13.5	586
50	Granger causality mapping during joint actions reveals evidence for forward models that could overcome sensory-motor delays. <i>PLoS ONE</i> , 2010 , 5, e13507	3.7	22
49	Mapping the information flow from one brain to another during gestural communication. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 9388-93	11.5	253
48	Human amygdala reactivity is diminished by the noradrenergic antagonist propranolol. <i>Psychological Medicine</i> , 2010 , 40, 1839-48	6.9	109
47	Social neuroscience: mirror neurons recorded in humans. <i>Current Biology</i> , 2010 , 20, R353-4	6.3	138
46	Empathy: shared circuits and their dysfunctions. <i>Dialogues in Clinical Neuroscience</i> , 2010 , 12, 546-52	5.7	15
45	Playing charades in the fMRI: are mirror and/or mentalizing areas involved in gestural communication?. <i>PLoS ONE</i> , 2009 , 4, e6801	3.7	61
44	Evidence for mirror systems in emotions. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2009 , 364, 2391-404	5.8	238

43	Noradrenergic enhancement of amygdala responses to fear. <i>Social Cognitive and Affective Neuroscience</i> , 2009 , 4, 119-26	4	129
42	The observation and execution of actions share motor and somatosensory voxels in all tested subjects: single-subject analyses of unsmoothed fMRI data. <i>Cerebral Cortex</i> , 2009 , 19, 1239-55	5.1	54 ^o
41	Expanding the mirror: vicarious activity for actions, emotions, and sensations. <i>Current Opinion in Neurobiology</i> , 2009 , 19, 666-71	7.6	284
40	Mirror neurons. <i>Current Biology</i> , 2009 , 19, R971-3	6.3	66
39	An introduction to anatomical ROI-based fMRI classification analysis. <i>Brain Research</i> , 2009 , 1282, 114-25	3.7	71
38	Programmed to learn? The ontogeny of mirror neurons. <i>Developmental Science</i> , 2009 , 12, 350-63	4.5	165
37	Seeing the future: Natural image sequences produce "anticipatory" neuronal activity and bias perceptual report. <i>Quarterly Journal of Experimental Psychology</i> , 2009 , 62, 2081-104	1.8	54
36	Acting together in and beyond the mirror neuron system. <i>NeuroImage</i> , 2009 , 47, 2046-56	7.9	112
35	Group analyses of connectivity-based cortical parcellation using repeated k-means clustering. <i>NeuroImage</i> , 2009 , 47, 1666-77	7.9	92
34	Action understanding: how, what and why. <i>Current Biology</i> , 2008 , 18, R431-R434	6.3	62
33	The mirror neuron system: new frontiers. <i>Social Neuroscience</i> , 2008 , 3, 193-8	2	103
32	Modeling a negative response bias in the human amygdala by noradrenergic-glucocorticoid interactions. <i>Journal of Neuroscience</i> , 2008 , 28, 12868-76	6.6	97
31	Inferior frontal gyrus activity triggers anterior insula response to emotional facial expressions. <i>Emotion</i> , 2008 , 8, 775-80	4.1	125
30	Testing simulation theory with cross-modal multivariate classification of fMRI data. <i>PLoS ONE</i> , 2008 , 3, e3690	3.7	82
29	A common anterior insula representation of disgust observation, experience and imagination shows divergent functional connectivity pathways. <i>PLoS ONE</i> , 2008 , 3, e2939	3.7	211
28	Unifying Social Cognition 2008 , 1-35		6
27	Aplasics born without hands mirror the goal of hand actions with their feet. <i>Current Biology</i> , 2007 , 17, 1235-40	6.3	167
26	The BOLD signal in the amygdala does not differentiate between dynamic facial expressions. <i>Social Cognitive and Affective Neuroscience</i> , 2007 , 2, 93-103	4	48

25	Facial expressions: what the mirror neuron system can and cannot tell us. <i>Social Neuroscience</i> , 2007 , 2, 179-222	2	241
24	Integrating simulation and theory of mind: from self to social cognition. <i>Trends in Cognitive Sciences</i> , 2007 , 11, 194-6	14	389
23	Empathy for positive and negative emotions in the gustatory cortex. <i>NeuroImage</i> , 2007 , 34, 1744-53	7.9	425
22	The anthropomorphic brain: the mirror neuron system responds to human and robotic actions. <i>NeuroImage</i> , 2007 , 35, 1674-84	7.9	522
21	Empathy and the somatotopic auditory mirror system in humans. <i>Current Biology</i> , 2006 , 16, 1824-9	6.3	549
20	Towards a unifying neural theory of social cognition. <i>Progress in Brain Research</i> , 2006 , 156, 379-401	2.9	217
19	Out of sight but not out of mind: the neurophysiology of iconic memory in the superior temporal sulcus. <i>Cognitive Neuropsychology</i> , 2005 , 22, 316-32	2.3	44
18	A unifying view of the basis of social cognition. <i>Trends in Cognitive Sciences</i> , 2004 , 8, 396-403	14	1419
17	Demystifying social cognition: a Hebbian perspective. <i>Trends in Cognitive Sciences</i> , 2004 , 8, 501-7	14	453
16	A touching sight: SII/PV activation during the observation and experience of touch. <i>Neuron</i> , 2004 , 42, 335-46	13.9	634
15	Rapid serial visual presentation for the determination of neural selectivity in area STSa. <i>Progress in Brain Research</i> , 2004 , 144, 107-16	2.9	42
14	Color sensitivity of cells responsive to complex stimuli in the temporal cortex. <i>Journal of Neurophysiology</i> , 2003 , 90, 1245-56	3.2	64
13	Audiovisual mirror neurons and action recognition. <i>Experimental Brain Research</i> , 2003 , 153, 628-36	2.3	324
12	Both of us disgusted in My insula: the common neural basis of seeing and feeling disgust. <i>Neuron</i> , 2003 , 40, 655-64	13.9	1682
11	Hearing sounds, understanding actions: action representation in mirror neurons. <i>Science</i> , 2002 , 297, 846-8	33.3	1338
10	Visual masking and RSVP reveal neural competition. <i>Trends in Cognitive Sciences</i> , 2002 , 6, 120-125	14	189
9	Neuronal representation of disappearing and hidden objects in temporal cortex of the macaque. <i>Experimental Brain Research</i> , 2001 , 140, 375-81	2.3	53
8	The speed of sight. <i>Journal of Cognitive Neuroscience</i> , 2001 , 13, 90-101	3.1	268

7	I know what you are doing. a neurophysiological study. <i>Neuron</i> , 2001 , 31, 155-65	13.9	899
6	Mirror neurons: A sensorimotor representation system. <i>Behavioral and Brain Sciences</i> , 2001 , 24, 983-984	0.9	4
5	Evidence for physiological asymmetries in the intertectal connections of the pigeon (<i>Columba livia</i>) and their potential role in brain lateralisation. <i>Brain Research</i> , 2000 , 852, 406-13	3.7	35
4	Pharmacology of sensory gating in the ascending auditory system of the pigeon (<i>Columba livia</i>). <i>Psychopharmacology</i> , 1999 , 145, 273-82	4.7	25
3	Cingulate dependent social risk assessment in rats		1
2	Harm to others acts as a cingulate dependent negative reinforcer in rat		1
1	Measuring shared responses across subjects using intersubject correlation		7