

Christian Keyzers

List of Publications by Year in descending order

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Version: 2024-02-01

115
papers

23,591
citations

23500

58
h-index

22102

113
g-index

140
all docs

140
docs citations

140
times ranked

15382
citing authors

#	ARTICLE	IF	CITATIONS
1	Both of Us Disgusted in My Insula. <i>Neuron</i> , 2003, 40, 655-664.	3.8	2,014
2	The autism brain imaging data exchange: towards a large-scale evaluation of the intrinsic brain architecture in autism. <i>Molecular Psychiatry</i> , 2014, 19, 659-667.	4.1	1,882
3	A unifying view of the basis of social cognition. <i>Trends in Cognitive Sciences</i> , 2004, 8, 396-403.	4.0	1,758
4	Hearing Sounds, Understanding Actions: Action Representation in Mirror Neurons. <i>Science</i> , 2002, 297, 846-848.	6.0	1,590
5	I Know What You Are Doing. <i>Neuron</i> , 2001, 31, 155-165.	3.8	1,085
6	Brain-to-brain coupling: a mechanism for creating and sharing a social world. <i>Trends in Cognitive Sciences</i> , 2012, 16, 114-121.	4.0	841
7	A Touching Sight. <i>Neuron</i> , 2004, 42, 335-346.	3.8	760
8	Somatosensation in social perception. <i>Nature Reviews Neuroscience</i> , 2010, 11, 417-428.	4.9	695
9	Empathy and the Somatotopic Auditory Mirror System in Humans. <i>Current Biology</i> , 2006, 16, 1824-1829.	1.8	623
10	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, 1239-1255.	1.6	620
11	The anthropomorphic brain: The mirror neuron system responds to human and robotic actions. <i>NeuroImage</i> , 2007, 35, 1674-1684.	2.1	616
12	Demystifying social cognition: a Hebbian perspective. <i>Trends in Cognitive Sciences</i> , 2004, 8, 501-507.	4.0	526
13	Empathy for positive and negative emotions in the gustatory cortex. <i>NeuroImage</i> , 2007, 34, 1744-1753.	2.1	495
14	Integrating simulation and theory of mind: from self to social cognition. <i>Trends in Cognitive Sciences</i> , 2007, 11, 194-196.	4.0	455
15	Using Bayes factor hypothesis testing in neuroscience to establish evidence of absence. <i>Nature Neuroscience</i> , 2020, 23, 788-799.	7.1	376
16	Audiovisual mirror neurons and action recognition. <i>Experimental Brain Research</i> , 2003, 153, 628-636.	0.7	375
17	Expanding the mirror: vicarious activity for actions, emotions, and sensations. <i>Current Opinion in Neurobiology</i> , 2009, 19, 666-671.	2.0	365
18	The Speed of Sight. <i>Journal of Cognitive Neuroscience</i> , 2001, 13, 90-101.	1.1	326

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19	Mapping the information flow from one brain to another during gestural communication. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 9388-9393.	3.3	303
20	Evidence for mirror systems in emotions. Philosophical Transactions of the Royal Society B: Biological Sciences, 2009, 364, 2391-2404.	1.8	300
21	Facial expressions: What the mirror neuron system can and cannot tell us. Social Neuroscience, 2007, 2, 179-222.	0.7	291
22	Reduced spontaneous but relatively normal deliberate vicarious representations in psychopathy. Brain, 2013, 136, 2550-2562.	3.7	277
23	Increased Functional Connectivity Between Subcortical and Cortical Resting-State Networks in Autism Spectrum Disorder. JAMA Psychiatry, 2015, 72, 767.	6.0	276
24	A Common Anterior Insula Representation of Disgust Observation, Experience and Imagination Shows Divergent Functional Connectivity Pathways. PLoS ONE, 2008, 3, e2939.	1.1	276
25	Towards a unifying neural theory of social cognition. Progress in Brain Research, 2006, 156, 379-401.	0.9	260
26	Probabilistic tractography recovers a rostrocaudal trajectory of connectivity variability in the human insular cortex. Human Brain Mapping, 2012, 33, 2005-2034.	1.9	255
27	Primary somatosensory cortex discriminates affective significance in social touch. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E1657-66.	3.3	250
28	β -Suppression during Action Observation and Execution Correlates with BOLD in Dorsal Premotor, Inferior Parietal, and SI Cortices. Journal of Neuroscience, 2011, 31, 14243-14249.	1.7	241
29	Visual masking and RSVP reveal neural competition. Trends in Cognitive Sciences, 2002, 6, 120-125.	4.0	210
30	Measuring shared responses across subjects using intersubject correlation. Social Cognitive and Affective Neuroscience, 2019, 14, 667-685.	1.5	208
31	Aplasics Born without Hands Mirror the Goal of Hand Actions with Their Feet. Current Biology, 2007, 17, 1235-1240.	1.8	182
32	Programmed to learn? The ontogeny of mirror neurons. Developmental Science, 2009, 12, 350-363.	1.3	182
33	Synchronized Drumming Enhances Activity in the Caudate and Facilitates Prosocial Commitment - If the Rhythm Comes Easily. PLoS ONE, 2011, 6, e27272.	1.1	182
34	The Anatomy of Suffering: Understanding the Relationship between Nociceptive and Empathic Pain. Trends in Cognitive Sciences, 2016, 20, 249-259.	4.0	167
35	Social Neuroscience: Mirror Neurons Recorded in Humans. Current Biology, 2010, 20, R353-R354.	1.8	166
36	Experience Modulates Vicarious Freezing in Rats: A Model for Empathy. PLoS ONE, 2011, 6, e21855.	1.1	159

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37	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, 1256-1266.	1.7	157
38	Inferior frontal gyrus activity triggers anterior insula response to emotional facial expressions.. <i>Emotion</i> , 2008, 8, 775-780.	1.5	155
39	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.	1.8	154
40	Emotional Mirror Neurons in the Rat's Anterior Cingulate Cortex. <i>Current Biology</i> , 2019, 29, 1301-1312.e6.	1.8	153
41	Mapping the flow of information within the putative mirror neuron system during gesture observation. <i>NeuroImage</i> , 2011, 57, 37-44.	2.1	149
42	Noradrenergic enhancement of amygdala responses to fear. <i>Social Cognitive and Affective Neuroscience</i> , 2009, 4, 119-126.	1.5	139
43	Dissociating the ability and propensity for empathy. <i>Trends in Cognitive Sciences</i> , 2014, 18, 163-166.	4.0	125
44	Acting together in and beyond the mirror neuron system. <i>NeuroImage</i> , 2009, 47, 2046-2056.	2.1	124
45	Human amygdala reactivity is diminished by the β -noradrenergic antagonist propranolol. <i>Psychological Medicine</i> , 2010, 40, 1839-1848.	2.7	122
46	The mirror neuron system: New frontiers. <i>Social Neuroscience</i> , 2008, 3, 193-198.	0.7	114
47	Group analyses of connectivity-based cortical parcellation using repeated k-means clustering. <i>NeuroImage</i> , 2009, 47, 1666-1677.	2.1	111
48	Modeling a Negative Response Bias in the Human Amygdala by Noradrenergic-Glucocorticoid Interactions. <i>Journal of Neuroscience</i> , 2008, 28, 12868-12876.	1.7	103
49	Neural pathways of embarrassment and their modulation by social anxiety. <i>NeuroImage</i> , 2015, 119, 252-261.	2.1	97
50	Testing Simulation Theory with Cross-Modal Multivariate Classification of fMRI Data. <i>PLoS ONE</i> , 2008, 3, e3690.	1.1	96
51	Age-Related Increase in Inferior Frontal Gyrus Activity and Social Functioning in Autism Spectrum Disorder. <i>Biological Psychiatry</i> , 2011, 69, 832-838.	0.7	89
52	The effect of intra- and inter-subject variability of hemodynamic responses on group level Granger causality analyses. <i>NeuroImage</i> , 2011, 57, 22-36.	2.1	87
53	An introduction to anatomical ROI-based fMRI classification analysis. <i>Brain Research</i> , 2009, 1282, 114-125.	1.1	85
54	Mirror neurons. <i>Current Biology</i> , 2009, 19, R971-R973.	1.8	78

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55	Color Sensitivity of Cells Responsive to Complex Stimuli in the Temporal Cortex. <i>Journal of Neurophysiology</i> , 2003, 90, 1245-1256.	0.9	70
56	Action Understanding: How, What and Why. <i>Current Biology</i> , 2008, 18, R431-R434.	1.8	70
57	Playing Charades in the fMRI: Are Mirror and/or Mentalizing Areas Involved in Gestural Communication?. <i>PLoS ONE</i> , 2009, 4, e6801.	1.1	68
58	The causal role of the somatosensory cortex in prosocial behaviour. <i>ELife</i> , 2018, 7, .	2.8	65
59	Seeing the future: Natural image sequences produce "anticipatory" neuronal activity and bias perceptual report. <i>Quarterly Journal of Experimental Psychology</i> , 2009, 62, 2081-2104.	0.6	64
60	Neuronal representation of disappearing and hidden objects in temporal cortex of the macaque. <i>Experimental Brain Research</i> , 2001, 140, 375-381.	0.7	61
61	Oxytocin reduces neural activity in the pain circuitry when seeing pain in others. <i>NeuroImage</i> , 2015, 113, 217-224.	2.1	61
62	Out of sight but not out of mind: the neurophysiology of iconic memory in the superior temporal sulcus. <i>Cognitive Neuropsychology</i> , 2005, 22, 316-332.	0.4	59
63	The BOLD signal in the amygdala does not differentiate between dynamic facial expressions. <i>Social Cognitive and Affective Neuroscience</i> , 2007, 2, 93-103.	1.5	55
64	Harm to Others Acts as a Negative Reinforcer in Rats. <i>Current Biology</i> , 2020, 30, 949-961.e7.	1.8	55
65	ctBS delivered to the left somatosensory cortex changes its functional connectivity during rest. <i>NeuroImage</i> , 2015, 114, 386-397.	2.1	53
66	Rapid serial visual presentation for the determination of neural selectivity in area STSa. <i>Progress in Brain Research</i> , 2004, 144, 107-116.	0.9	49
67	Inter-individual differences in audio-motor learning of piano melodies and white matter fiber tract architecture. <i>Human Brain Mapping</i> , 2014, 35, 2483-2497.	1.9	43
68	Primary somatosensory contribution to action observation brain activity" combining fMRI and ctBS. <i>Social Cognitive and Affective Neuroscience</i> , 2016, 11, 1205-1217.	1.5	43
69	Neural mechanisms necessary for empathy-related phenomena across species. <i>Current Opinion in Neurobiology</i> , 2021, 68, 107-115.	2.0	41
70	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.	2.5	40
71	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.	1.0	40
72	Bidirectional cingulate-dependent danger information transfer across rats. <i>PLoS Biology</i> , 2019, 17, e3000524.	2.6	40

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73	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, 406-413.	1.1	39
74	Responsibility modulates pain-matrix activation elicited by the expressions of others in pain. <i>NeuroImage</i> , 2015, 114, 371-378.	2.1	39
75	Action perception recruits the cerebellum and is impaired in patients with spinocerebellar ataxia. <i>Brain</i> , 2019, 142, 3791-3805.	3.7	38
76	Vicarious Neural Processing of Outcomes during Observational Learning. <i>PLoS ONE</i> , 2013, 8, e73879.	1.1	38
77	Emotional contagion and prosocial behavior in rodents. <i>Trends in Cognitive Sciences</i> , 2022, 26, 688-706.	4.0	37
78	The impact of certain methodological choices on multivariate analysis of fMRI data with support vector machines. <i>NeuroImage</i> , 2011, 54, 1159-1167.	2.1	35
79	Puddles, Parties, and Professors: Linking Word Categorization to Neural Patterns of Visuospatial Coding. <i>Journal of Cognitive Neuroscience</i> , 2011, 23, 2636-2649.	1.1	32
80	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, 966-978.	2.1	32
81	Repeated Witnessing of Conspecifics in Pain: Effects on Emotional Contagion. <i>PLoS ONE</i> , 2015, 10, e0136979.	1.1	32
82	EEG sensorimotor correlates of translating sounds into actions. <i>Frontiers in Neuroscience</i> , 2013, 7, 203.	1.4	30
83	Mirroring Fear in the Absence of a Functional Amygdala. <i>Biological Psychiatry</i> , 2013, 73, e9-e11.	0.7	29
84	Negativity-bias in forming beliefs about own abilities. <i>Scientific Reports</i> , 2019, 9, 14416.	1.6	28
85	Obedying orders reduces vicarious brain activation towards victims's pain. <i>NeuroImage</i> , 2020, 222, 117251.	2.1	27
86	Pharmacology of sensory gating in the ascending auditory system of the pigeon (<i>Columba livia</i>). <i>Psychopharmacology</i> , 1999, 145, 273-282.	1.5	25
87	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-e1083.	2.4	25
88	Representing Multiple Observed Actions in the Motor System. <i>Cerebral Cortex</i> , 2019, 29, 3631-3641.	1.6	25
89	Granger Causality Mapping during Joint Actions Reveals Evidence for Forward Models That Could Overcome Sensory-Motor Delays. <i>PLoS ONE</i> , 2010, 5, e13507.	1.1	23
90	Where and how our brain represents the temporal structure of observed action. <i>NeuroImage</i> , 2018, 183, 677-697.	2.1	23

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91	Functional Magnetic Resonance Imaging Connectivity Analyses Reveal Efference-Copy to Primary Somatosensory Area, BA2. PLoS ONE, 2014, 9, e84367.	1.1	22
92	Does higher sampling rate (multiband + SENSE) improve group statistics - An example from social neuroscience block design at 3T. NeuroImage, 2020, 213, 116731.	2.1	22
93	Reply: Spontaneous versus deliberate vicarious representations: different routes to empathy in psychopathy and autism. Brain, 2014, 137, e273-e273.	3.7	21
94	Similar levels of emotional contagion in male and female rats. Scientific Reports, 2020, 10, 2763.	1.6	21
95	Empathy: shared circuits and their dysfunctions. Dialogues in Clinical Neuroscience, 2010, 12, 546-552.	1.8	21
96	Object visibility alters the relative contribution of ventral visual stream and mirror neuron system to goal anticipation during action observation. NeuroImage, 2015, 105, 380-394.	2.1	20
97	Neural activities during affective processing in people with Alzheimer's disease. Neurobiology of Aging, 2013, 34, 706-715.	1.5	19
98	Weight dependent modulation of motor resonance induced by weight estimation during observation of partially occluded lifting actions. Neuropsychologia, 2015, 66, 237-245.	0.7	19
99	Changes in brain activity following the voluntary control of empathy. NeuroImage, 2020, 216, 116529.	2.1	19
100	A Plea for Cross-species Social Neuroscience. Current Topics in Behavioral Neurosciences, 2016, 30, 179-191.	0.8	17
101	Hebbian Learning is about contingency, not contiguity, and explains the emergence of predictive mirror neurons. Behavioral and Brain Sciences, 2014, 37, 205-206.	0.4	15
102	Emotional contagion: Improving survival by preparing for socially sensed threats. Current Biology, 2021, 31, R728-R730.	1.8	11
103	Mirror neurons: A sensorimotor representation system. Behavioral and Brain Sciences, 2001, 24, 983-984.	0.4	10
104	Is Brain Activity during Action Observation Modulated by the Perceived Fairness of the Actor?. PLoS ONE, 2016, 11, e0145350.	1.1	10
105	Unifying Social Cognition. , 2008, , 1-35.		9
106	Predictive coding during action observation – A depth-resolved intersubject functional correlation study at 7T. Cortex, 2022, 148, 121-138.	1.1	7
107	How to Make Social Neuroscience Social. Psychological Inquiry, 2011, 22, 210-216.	0.4	5
108	Neural Correlates of Empathy in Humans, and the Need for Animal Models. , 2018, , 37-52.		5

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109	The Mirror Neuron System and Social Cognition. , 2011, , .		3
110	Broca's Area: Linking Perception and Production in Language and Actions. On Thinking, 2011, , 169-184.	0.5	2
111	From Vicarious Actions to Moral Behavior. Issues in Science and Religion: Publications of the European Society for the Study of Science and Theology, 2016, , 99-118.	0.1	2
112	Editorial overview: New advances in social neuroscience: from neural computations to social structures. Current Opinion in Psychology, 2018, 24, iv-vi.	2.5	2
113	Bayesian statistics show a lack of change in excitability following bi-hemispheric HD-TDCS over the primary somatosensory cortices. Brain Stimulation, 2020, 13, 640-642.	0.7	1
114	O6.2. NEUROBIOLOGY OF PSYCHOMETRIC SCHIZOTYPY: INSIGHTS FROM MULTIMODAL IMAGING RESEARCH. Schizophrenia Bulletin, 2018, 44, S89-S90.	2.3	0
115	Emotional Mirrors in the Rat's Anterior Cingulate Cortex. SSRN Electronic Journal, 0, , .	0.4	0