

Birgit Derntl

List of Publications by Year in descending order

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Version: 2024-02-01

130
papers

5,726
citations

61945

43
h-index

95218

68
g-index

134
all docs

134
docs citations

134
times ranked

7275
citing authors

#	ARTICLE	IF	CITATIONS
1	Multidimensional assessment of empathic abilities: Neural correlates and gender differences. <i>Psychoneuroendocrinology</i> , 2010, 35, 67-82.	1.3	293
2	The effect of strategies, goals and stimulus material on the neural mechanisms of emotion regulation: A meta-analysis of fMRI studies. <i>Neuroscience and Biobehavioral Reviews</i> , 2017, 72, 111-128.	2.9	266
3	Generalized deficit in all core components of empathy in schizophrenia. <i>Schizophrenia Research</i> , 2009, 108, 197-206.	1.1	187
4	Psychosocial versus physiological stress – Meta-analyses on deactivations and activations of the neural correlates of stress reactions. <i>NeuroImage</i> , 2015, 119, 235-251.	2.1	179
5	Amygdala activation and facial expressions: Explicit emotion discrimination versus implicit emotion processing. <i>Neuropsychologia</i> , 2007, 45, 2369-2377.	0.7	171
6	Amygdala activity to fear and anger in healthy young males is associated with testosterone. <i>Psychoneuroendocrinology</i> , 2009, 34, 687-693.	1.3	166
7	Emotion recognition accuracy in healthy young females is associated with cycle phase. <i>Hormones and Behavior</i> , 2008, 53, 90-95.	1.0	160
8	Facial emotion recognition and amygdala activation are associated with menstrual cycle phase. <i>Psychoneuroendocrinology</i> , 2008, 33, 1031-1040.	1.3	156
9	The impact of facial emotional expressions on behavioral tendencies in women and men.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2010, 36, 500-507.	0.7	150
10	The transsexual brain – A review of findings on the neural basis of transsexualism. <i>Neuroscience and Biobehavioral Reviews</i> , 2015, 59, 251-266.	2.9	129
11	Amygdala activation at 3T in response to human and avatar facial expressions of emotions. <i>Journal of Neuroscience Methods</i> , 2007, 161, 126-133.	1.3	110
12	fMRI measurements of amygdala activation are confounded by stimulus correlated signal fluctuation in nearby veins draining distant brain regions. <i>Scientific Reports</i> , 2015, 5, 10499.	1.6	104
13	How specific are emotional deficits? A comparison of empathic abilities in schizophrenia, bipolar and depressed patients. <i>Schizophrenia Research</i> , 2012, 142, 58-64.	1.1	98
14	Inhibitory control and trait aggression: Neural and behavioral insights using the emotional stop signal task. <i>NeuroImage</i> , 2013, 79, 264-274.	2.1	97
15	Incongruence effects in crossmodal emotional integration. <i>NeuroImage</i> , 2011, 54, 2257-2266.	2.1	90
16	Facial emotion recognition in patients with bipolar I and bipolar II disorder. <i>British Journal of Clinical Psychology</i> , 2009, 48, 363-375.	1.7	89
17	Sex differences in cognitive regulation of psychosocial achievement stress: Brain and behavior. <i>Human Brain Mapping</i> , 2015, 36, 1028-1042.	1.9	84
18	Shaping of the Female Human Brain by Sex Hormones: A Review. <i>Neuroendocrinology</i> , 2021, 111, 183-206.	1.2	84

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19	Implicit and explicit behavioral tendencies in male and female depression. <i>Psychiatry Research</i> , 2010, 177, 124-130.	1.7	80
20	Transdiagnostic commonalities and differences in resting state functional connectivity of the default mode network in schizophrenia and major depression. <i>NeuroImage: Clinical</i> , 2016, 10, 326-335.	1.4	79
21	General and specific responsiveness of the amygdala during explicit emotion recognition in females and males. <i>BMC Neuroscience</i> , 2009, 10, 91.	0.8	76
22	The Spectral Diversity of Resting-State Fluctuations in the Human Brain. <i>PLoS ONE</i> , 2014, 9, e93375.	1.1	76
23	Association of menstrual cycle phase with the core components of empathy. <i>Hormones and Behavior</i> , 2013, 63, 97-104.	1.0	75
24	Neuroimaging the menstrual cycle: A multimodal systematic review. <i>Frontiers in Neuroendocrinology</i> , 2021, 60, 100878.	2.5	75
25	The impact of social exclusion vs. inclusion on subjective and hormonal reactions in females and males. <i>Psychoneuroendocrinology</i> , 2013, 38, 2925-2932.	1.3	73
26	Effects of Hormonal Contraceptives on Mood: A Focus on Emotion Recognition and Reactivity, Reward Processing, and Stress Response. <i>Current Psychiatry Reports</i> , 2019, 21, 115.	2.1	73
27	Neural correlates of the core facets of empathy in schizophrenia. <i>Schizophrenia Research</i> , 2012, 136, 70-81.	1.1	72
28	Neural correlates of social approach and withdrawal in patients with major depression. <i>Social Neuroscience</i> , 2011, 6, 482-501.	0.7	71
29	Deficits in social cognition: a marker for psychiatric disorders?. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2011, 261, 145-149.	1.8	68
30	Neurobiological Divergence of the Positive and Negative Schizophrenia Subtypes Identified on a New Factor Structure of Psychopathology Using Non-negative Factorization: An International Machine Learning Study. <i>Biological Psychiatry</i> , 2020, 87, 282-293.	0.7	68
31	Empathic behavioral and physiological responses to dynamic stimuli in depression. <i>Psychiatry Research</i> , 2012, 200, 294-305.	1.7	67
32	Sex differences in the functional connectivity of the amygdalae in association with cortisol. <i>NeuroImage</i> , 2016, 134, 410-423.	2.1	62
33	Empathic competencies in violent offenders. <i>Psychiatry Research</i> , 2013, 210, 1168-1175.	1.7	59
34	Do I feel or do I know? Neuroimaging meta-analyses on the multiple facets of empathy. <i>Cortex</i> , 2020, 129, 341-355.	1.1	56
35	Impact of Social Cognition on Alcohol Dependence Treatment Outcome: Poorer Facial Emotion Recognition Predicts Relapse/Dropout. <i>Alcoholism: Clinical and Experimental Research</i> , 2017, 41, 2197-2206.	1.4	54
36	Who is to blame? Neural correlates of causal attribution in social situations. <i>Social Neuroscience</i> , 2010, 5, 335-350.	0.7	53

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37	The differential contribution of facial expressions, prosody, and speech content to empathy. <i>Cognition and Emotion</i> , 2012, 26, 995-1014.	1.2	51
38	Risk or resilience? Empathic abilities in patients with bipolar disorders and their first-degree relatives. <i>Journal of Psychiatric Research</i> , 2012, 46, 382-388.	1.5	51
39	Differential Patterns of Dysconnectivity in Mirror Neuron and Mentalizing Networks in Schizophrenia. <i>Schizophrenia Bulletin</i> , 2016, 42, 1135-1148.	2.3	51
40	Amygdala activation during recognition of emotions in a foreign ethnic group is associated with duration of stay. <i>Social Neuroscience</i> , 2009, 4, 294-307.	0.7	50
41	Recognition of Emotional Expressions is Affected by Inversion and Presentation Time. <i>Perception</i> , 2009, 38, 1849-1862.	0.5	50
42	Impact of self-esteem and sex on stress reactions. <i>Scientific Reports</i> , 2017, 7, 17210.	1.6	50
43	Imaging stress: an overview of stress induction methods in the MR scanner. <i>Journal of Neural Transmission</i> , 2019, 126, 1187-1202.	1.4	50
44	Anger under Control: Neural Correlates of Frustration as a Function of Trait Aggression. <i>PLoS ONE</i> , 2013, 8, e78503.	1.1	49
45	Menstrual Cycle Phase and Duration of Oral Contraception Intake Affect Olfactory Perception. <i>Chemical Senses</i> , 2013, 38, 67-75.	1.1	44
46	Intrinsic functional connectivity underlying successful emotion regulation of angry faces. <i>Social Cognitive and Affective Neuroscience</i> , 2016, 11, 1980-1991.	1.5	44
47	Alterations in Brain Activation During Cognitive Empathy Are Related to Social Functioning in Schizophrenia. <i>Schizophrenia Bulletin</i> , 2015, 41, 211-222.	2.3	43
48	Intrinsic Connectivity Patterns of Task-Defined Brain Networks Allow Individual Prediction of Cognitive Symptom Dimension of Schizophrenia and Are Linked to Molecular Architecture. <i>Biological Psychiatry</i> , 2021, 89, 308-319.	0.7	42
49	The impact of face masks on emotion recognition performance and perception of threat. <i>PLoS ONE</i> , 2022, 17, e0262840.	1.1	39
50	Sex matters: Neural correlates of voice gender perception. <i>NeuroImage</i> , 2013, 79, 275-287.	2.1	38
51	Affective Empathy Differs in Male Violent Offenders With High- and Low-Trait Psychopathy. <i>Journal of Personality Disorders</i> , 2015, 29, 42-61.	0.8	38
52	Different shades of default mode disturbance in schizophrenia: Subnodal covariance estimation in structure and function. <i>Human Brain Mapping</i> , 2018, 39, 644-661.	1.9	38
53	The Neuroanatomy of Transgender Identity: Mega-Analytic Findings From the ENIGMA Transgender Persons Working Group. <i>Journal of Sexual Medicine</i> , 2021, 18, 1122-1129.	0.3	36
54	Culture but not gender modulates amygdala activation during explicit emotion recognition. <i>BMC Neuroscience</i> , 2012, 13, 54.	0.8	35

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55	Neural correlates of depressive realism – An fMRI study on causal attribution in depression. <i>Journal of Affective Disorders</i> , 2012, 138, 268-276.	2.0	33
56	The impact of sex hormone concentrations on decision-making in females and males. <i>Frontiers in Neuroscience</i> , 2014, 8, 352.	1.4	33
57	Affective responsiveness is influenced by intake of oral contraceptives. <i>European Neuropsychopharmacology</i> , 2016, 26, 1014-1019.	0.3	33
58	Impact of gender and genetics on emotion processing in Parkinson's disease - A multimodal study. <i>NeuroImage: Clinical</i> , 2018, 18, 305-314.	1.4	32
59	Attention control and its emotion-specific association with cognitive emotion regulation in depression. <i>Brain Imaging and Behavior</i> , 2019, 13, 1766-1779.	1.1	32
60	More than Just Two Sexes: The Neural Correlates of Voice Gender Perception in Gender Dysphoria. <i>PLoS ONE</i> , 2014, 9, e111672.	1.1	31
61	Feelings of helplessness increase ERN amplitudes in healthy individuals. <i>Neuropsychologia</i> , 2013, 51, 613-621.	0.7	30
62	Criticism hurts everybody, praise only some: Common and specific neural responses to approving and disapproving social-evaluative videos. <i>NeuroImage</i> , 2016, 132, 138-147.	2.1	30
63	The influence of androstadienone during psychosocial stress is modulated by gender, trait anxiety and subjective stress: An fMRI study. <i>Psychoneuroendocrinology</i> , 2016, 68, 126-139.	1.3	29
64	Dissociation of explicit and implicit measures of the behavioral inhibition and activation system in borderline personality disorder. <i>Psychiatry Research</i> , 2014, 218, 134-142.	1.7	25
65	Emotional dysfunctions in neurodegenerative diseases. <i>Journal of Comparative Neurology</i> , 2016, 524, 1727-1743.	0.9	25
66	Male-to-female gender dysphoria: Gender-specific differences in resting-state networks. <i>Brain and Behavior</i> , 2017, 7, e00691.	1.0	25
67	The regulation of positive and negative emotions through instructed causal attributions in lifetime depression – A functional magnetic resonance imaging study. <i>NeuroImage: Clinical</i> , 2018, 20, 1233-1245.	1.4	25
68	Brain-based ranking of cognitive domains to predict schizophrenia. <i>Human Brain Mapping</i> , 2019, 40, 4487-4507.	1.9	25
69	The Influence of Menstrual Cycle and Androstadienone on Female Stress Reactions: An fMRI Study. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 44.	1.0	24
70	Neural responses to dynamic multimodal stimuli and pathology-specific impairments of social cognition in schizophrenia and depression. <i>British Journal of Psychiatry</i> , 2015, 206, 198-205.	1.7	23
71	Immediate and delayed neuroendocrine responses to social exclusion in males and females. <i>Psychoneuroendocrinology</i> , 2018, 93, 56-64.	1.3	23
72	When opportunity meets motivation: Neural engagement during social approach is linked to high approach motivation. <i>NeuroImage</i> , 2016, 127, 267-276.	2.1	22

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73	Predictive Pattern Classification Can Distinguish Gender Identity Subtypes from Behavior and Brain Imaging. <i>Cerebral Cortex</i> , 2020, 30, 2755-2765.	1.6	21
74	Fearless Dominance and reduced feedback-related negativity amplitudes in a time-estimation task â€œ Further neuroscientific evidence for dual-process models of psychopathy. <i>Biological Psychology</i> , 2013, 93, 352-363.	1.1	20
75	Gender differences in experiential and facial reactivity to approval and disapproval during emotional social interactions. <i>Frontiers in Psychology</i> , 2015, 6, 1372.	1.1	20
76	Sex hormones and human brain function. <i>Handbook of Clinical Neurology</i> / Edited By P J Vinken and G W Bruyn, 2020, 175, 195-207.	1.0	20
77	Empathy in individuals clinically at risk for psychosis: Brain and behaviour. <i>British Journal of Psychiatry</i> , 2015, 207, 407-413.	1.7	19
78	The Association Between Vulnerable/Grandiose Narcissism and Emotion Regulation. <i>Frontiers in Psychology</i> , 2020, 11, 519330.	1.1	19
79	The peripartum human brain: Current understanding and future perspectives. <i>Frontiers in Neuroendocrinology</i> , 2020, 59, 100859.	2.5	19
80	Angry but not neutral faces facilitate response inhibition in schizophrenia patients. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2017, 267, 621-627.	1.8	18
81	Interaction of Sex and Age on the Dissociative Effects of Ketamine Action in Young Healthy Participants. <i>Frontiers in Neuroscience</i> , 2019, 13, 616.	1.4	17
82	The human body odor compound androstadienone leads to anger-dependent effects in an emotional Stroop but not dot-probe task using human faces. <i>PLoS ONE</i> , 2017, 12, e0175055.	1.1	17
83	Intact emotionâ€œcognition interaction in schizophrenia patients and first-degree relatives: Evidence from an emotional antisaccade task. <i>Brain and Cognition</i> , 2013, 82, 329-336.	0.8	16
84	Brain structure changes associated with sexual orientation. <i>Scientific Reports</i> , 2021, 11, 5078.	1.6	16
85	Anticipatory feelings: Neural correlates and linguistic markers. <i>Neuroscience and Biobehavioral Reviews</i> , 2020, 113, 308-324.	2.9	15
86	Influence of ovarian hormones on value-based decision-making systems: Contribution to sexual dimorphisms in mental disorders. <i>Frontiers in Neuroendocrinology</i> , 2021, 60, 100873.	2.5	15
87	Accurate perception of negative emotions predicts functional capacity in schizophrenia. <i>Psychiatry Research</i> , 2014, 216, 6-11.	1.7	14
88	The impact of emotional faces on social motivation in schizophrenia. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2015, 265, 613-622.	1.8	14
89	Patterns of schizophrenia symptoms: hidden structure in the PANSS questionnaire. <i>Translational Psychiatry</i> , 2018, 8, 237.	2.4	14
90	Use of an estradiol-based combined oral contraceptives has no influence on attentional bias or depressive symptoms in healthy women. <i>Psychoneuroendocrinology</i> , 2020, 113, 104544.	1.3	14

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91	Imaging the upâ€™s and downâ€™s of emotion regulation in lifetime depression. <i>Brain Imaging and Behavior</i> , 2018, 12, 156-167.	1.1	13
92	Effects of the experimental administration of oral estrogen on prefrontal functions in healthy young women. <i>Psychopharmacology</i> , 2018, 235, 3465-3477.	1.5	13
93	Neurobiological substrates of the positive formal thought disorder in schizophrenia revealed by seed connectome-based predictive modeling. <i>NeuroImage: Clinical</i> , 2021, 30, 102666.	1.4	13
94	Potential Adverse Effects of Violent Video Gaming: Interpersonal- Affective Traits Are Rather Impaired Than Disinhibition in Young Adults. <i>Frontiers in Psychology</i> , 2018, 9, 736.	1.1	12
95	Differential Resting-State Connectivity Patterns of the Right Anterior and Posterior Dorsolateral Prefrontal Cortices (DLPFC) in Schizophrenia. <i>Frontiers in Psychiatry</i> , 2018, 9, 211.	1.3	12
96	Gender incongruence and the brain â€™ Behavioral and neural correlates of voice gender perception in transgender people. <i>Hormones and Behavior</i> , 2018, 105, 11-21.	1.0	12
97	Association of levonorgestrel intrauterine devices with stress reactivity, mental health, quality of life and sexual functioning: A systematic review. <i>Frontiers in Neuroendocrinology</i> , 2021, 63, 100943.	2.5	11
98	Stress matters! Psychophysiological and emotional loadings of pregnant women undergoing fetal magnetic resonance imaging. <i>BMC Pregnancy and Childbirth</i> , 2015, 15, 25.	0.9	10
99	The human body odor compound androstadienone increases neural conflict coupled to higher behavioral costs during an emotional Stroop task. <i>NeuroImage</i> , 2018, 171, 364-375.	2.1	10
100	Implicit and Explicit Motivational Tendencies to Faces Varying in Trustworthiness and Dominance in Men. <i>Frontiers in Behavioral Neuroscience</i> , 2018, 12, 8.	1.0	10
101	Do Social Cognition Deficits Recover with Abstinence in Alcoholâ€™Dependent Patients?. <i>Alcoholism: Clinical and Experimental Research</i> , 2021, 45, 470-479.	1.4	10
102	Friend vs. Foe: Cognitive and Affective Empathy in Women With Different Hormonal States. <i>Frontiers in Neuroscience</i> , 2021, 15, 608768.	1.4	10
103	Insights from a laboratory and naturalistic investigation on stress, rumination and frontal brain functioning in MDD: An fNIRS study. <i>Neurobiology of Stress</i> , 2021, 15, 100344.	1.9	10
104	Exploring the fMRI based neural correlates of the dot probe task and its modulation by sex and body odor. <i>Psychoneuroendocrinology</i> , 2019, 99, 87-96.	1.3	9
105	A methodology for psycho-biological assessment of stress in software engineering. <i>PeerJ Computer Science</i> , 2020, 6, e286.	2.7	9
106	Pregnancy and brain architecture: Associations with hormones, cognition and affect. <i>Journal of Neuroendocrinology</i> , 2022, 34, e13066.	1.2	9
107	Processing expected and unexpected uncertainty is modulated by fearless-dominance personality traits â€™ An exploratory ERP study on feedback processing. <i>Physiology and Behavior</i> , 2017, 168, 74-83.	1.0	8
108	Bayesian informed evidence against modulation of androstadienone-effects by genotypic receptor variants and participant sex: A study assessing Stroop interference control, mood and olfaction. <i>Hormones and Behavior</i> , 2018, 98, 45-54.	1.0	8

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109	Estradiol administration modulates neural emotion regulation. <i>Psychoneuroendocrinology</i> , 2021, 134, 105425.	1.3	8
110	Exploring Sex Differences in the Neural Correlates of Self-and Other-Referential Gender Stereotyping. <i>Frontiers in Behavioral Neuroscience</i> , 2019, 13, 31.	1.0	6
111	Replication of Previous Findings? Comparing Gray Matter Volumes in Transgender Individuals with Gender Incongruence and Cisgender Individuals. <i>Journal of Clinical Medicine</i> , 2021, 10, 1454.	1.0	6
112	Fast accurate quantification of salivary cortisol and cortisone in a large-scale clinical stress study by micro-UHPLC-ESI-MS/MS using a surrogate calibrant approach. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2021, 1182, 122939.	1.2	6
113	Cerebral and behavioural response to human voices is mediated by sex and sexual orientation. <i>Behavioural Brain Research</i> , 2019, 356, 89-97.	1.2	5
114	Hormones Matter? Association of the Menstrual Cycle With Selective Attention for Liked and Disliked Body Parts. <i>Frontiers in Psychology</i> , 2019, 10, 851.	1.1	5
115	Sex-dependent multimodal response profiles to psychosocial stress. <i>Cerebral Cortex</i> , 2023, 33, 583-596.	1.6	5
116	The Verbal Interaction Social Threat Task: A New Paradigm Investigating the Effects of Social Rejection in Men and Women. <i>Frontiers in Neuroscience</i> , 2019, 13, 830.	1.4	3
117	Neurobiobehavioral responses to virtual social rejection in females exploring the influence of oxytocin. <i>Social Cognitive and Affective Neuroscience</i> , 2021, 16, 326-333.	1.5	3
118	The association of the 5-HTTLPR polymorphism and the response to different stressors in healthy males. <i>Journal of Neural Transmission</i> , 2021, 128, 1347-1359.	1.4	3
119	Male or Female? - Influence of Gender Role and Sexual Attraction on Sex Categorization of Faces. <i>Frontiers in Psychology</i> , 2021, 12, 718004.	1.1	3
120	Healthcare for Trans*gender People in Germany: Gaps, Challenges, and Perspectives. <i>Frontiers in Neuroscience</i> , 2021, 15, 718335.	1.4	3
121	Association Between Objectively Assessed Sleep and Depressive Symptoms During Pregnancy and Post-partum. <i>Frontiers in Global Women's Health</i> , 2021, 2, 807817.	1.1	3
122	No Evidence for a Role of Oral Contraceptive-Use in Emotion Recognition But Higher Negativity Bias in Early Follicular Women. <i>Frontiers in Behavioral Neuroscience</i> , 2021, 15, 773961.	1.0	3
123	A Short Empathy Paradigm to Assess Empathic Deficits in Schizophrenia. <i>Behavioral Sciences (Basel)</i> , 2021, 10, 102.	1.0	2
124	Emotional imagination of negative situations: Functional neuroimaging in anorexia and bulimia. <i>PLoS ONE</i> , 2021, 16, e0231684.	1.1	2
125	The relationship between emotional intelligence and quality of life in schizophrenia and bipolar I disorder. <i>Quality of Life Research</i> , 2021, 30, 2475-2485.	1.5	2
126	Acute relaxation during pregnancy leads to a reduction in maternal electrodermal activity and self-reported stress levels. <i>BMC Pregnancy and Childbirth</i> , 2021, 21, 628.	0.9	2

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127	Subjective responses to emotional body odors and common odors in autism-spectrum disorders. <i>European Psychiatry</i> , 2021, 64, S613-S613.	0.1	1
128	No Differences in Value-Based Decision-Making Due to Use of Oral Contraceptives. <i>Frontiers in Endocrinology</i> , 2022, 13, 817825.	1.5	1
129	S197. An International Machine Learning Study of Modeling the Psychopathology in Schizophrenia: From Symptomatology to Neuroimaging Endophenotypes. <i>Biological Psychiatry</i> , 2019, 85, S373-S374.	0.7	0
130	Gleich oder ungleich? Geschlechtsunterschiede hinsichtlich Stress und Stressbewältigung. , 2018, , 129-141.		0