David Sander

List of Publications by Year
in descending order

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Version: 2024-02-01

163 papers	10,655 citations	44069 48 h-index	36028 97 g-index
180 all docs	180 docs citations	180 times ranked	9656 citing authors

#	Article	IF	Citations
1	The Human Amygdala: An Evolved System for Relevance Detection. Reviews in the Neurosciences, 2003, 14, 303-16.	2.9	748
2	A systems approach to appraisal mechanisms in emotion. Neural Networks, 2005, 18, 317-352.	5.9	694
3	Electrophysiological Correlates of Rapid Spatial Orienting Towards Fearful Faces. Cerebral Cortex, 2004, 14, 619-633.	2.9	563
4	The resilience framework as a strategy to combat stress-related disorders. Nature Human Behaviour, 2017, 1, 784-790.	12.0	420
5	The voices of wrath: brain responses to angry prosody in meaningless speech. Nature Neuroscience, 2005, 8, 145-146.	14.8	384
6	Emotion and attention interactions in social cognition: Brain regions involved in processing anger prosody. NeuroImage, 2005, 28, 848-858.	4.2	350
7	Beyond Fear. Psychological Science, 2008, 19, 362-370.	3.3	292
8	That baby caught my eye... Attention capture by infant faces.. Emotion, 2007, 7, 685-689.	1.8	278
9	Enhanced extrastriate visual response to bandpass spatial frequency filtered fearful faces: Time course and topographic evokedâ€potentials mapping. Human Brain Mapping, 2005, 26, 65-79.	3.6	275
10	Conscious emotional experience emerges as a function of multilevel, appraisal-driven response synchronization. Consciousness and Cognition, 2008, 17, 484-495.	1.5	257
11	Relationships between changes in self-reported physical activity, sedentary behaviour and health during the coronavirus (COVID-19) pandemic in France and Switzerland. Journal of Sports Sciences, 2021, 39, 699-704.	2.0	241
12	Attentional bias for positive emotional stimuli: A meta-analytic investigation.. Psychological Bulletin, 2016, 142, 79-106.	6.1	231
13	The perception and categorisation of emotional stimuli: A review. Cognition and Emotion, 2010, 24, 377-400.	2.0	220
14	Individual Attachment Style Modulates Human Amygdala and Striatum Activation during Social Appraisal. PLoS ONE, 2008, 3, e2868.	2.5	201
15	Interaction effects of perceived gaze direction and dynamic facial expression: Evidence for appraisal theories of emotion. European Journal of Cognitive Psychology, 2007, 19, 470-480.	1.3	183
16	Mapping the Semantic Space for the Subjective Experience of Emotional Responses to Odors. Chemical Senses, 2008, 34, 49-62.	2.0	183
17	Self-relevance processing in the human amygdala: Gaze direction, facial expression, and emotion intensity.. Emotion, 2009, 9, 798-806.	1.8	179
18	Dissociable roles of the human somatosensory and superior temporal cortices for processing social face signals. European Journal of Neuroscience, 2004, 20, 3507-3515.	2.6	176

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19	The effect of appraisal level on processing of emotional prosody in meaningless speech. NeuroImage, 2008, 42, 919-927.	4.2	176
20	Measuring wanting and liking from animals to humans: A systematic review. Neuroscience and Biobehavioral Reviews, 2016, 63, 124-142.	6.1	163
21	Variability of Affective Responses to Odors: Culture, Gender, and Olfactory Knowledge. Chemical Senses, 2013, 38, 175-186.	2.0	146
22	The impact of emotion on perception, attention, memory, and decision-making. Swiss Medical Weekly, 2013, 143, w13786.	1.6	142
23	Comment: The Appraising Brain: Towards a Neuro-Cognitive Model of Appraisal Processes in Emotion. Emotion Review, 2013, 5, 163-168.	3.4	122
24	Sequential unfolding of novelty and pleasantness appraisals of odors: Evidence from facial electromyography and autonomic reactions.. Emotion, 2009, 9, 316-328.	1.8	108
25	Additive effects of emotional, endogenous, and exogenous attention: Behavioral and electrophysiological evidence. Neuropsychologia, 2011, 49, 1779-1787.	1.6	103
26	Emotional Processing of Odors: Evidence for a Nonlinear Relation between Pleasantness and Familiarity Evaluations. Chemical Senses, 2008, 33, 469-479.	2.0	102
27	Effects of emotion regulation strategy on brain responses to the valence and social content of visual scenes. Neuropsychologia, 2011, 49, 1067-1082.	1.6	101
28	Social appraisal influences recognition of emotions.. Journal of Personality and Social Psychology, 2012, 102, 1118-1135.	2.8	99
29	FACSGen: A Tool to Synthesize Emotional Facial Expressions Through Systematic Manipulation of Facial Action Units. Journal of Nonverbal Behavior, 2011, 35, 1-16.	1.0	96
30	Affective dimensions of odor perception: A comparison between Swiss, British, and Singaporean populations.. Emotion, 2011, 11, 1168-1181.	1.8	95
31	Integration of gaze direction and facial expression in patients with unilateral amygdala damage. Brain, 2010, 133, 248-261.	7.6	92
32	Emotion perception from a componential perspective. Cognition and Emotion, 2017, 31, 47-56.	2.0	87
33	The neural substrates of social emotion perception and regulation are modulated by adult attachment style. Social Neuroscience, 2012, 7, 473-493.	1.3	85
34	Affective semantic space of scents. Towards a universal scale to measure self-reported odor-related feelings. Food Quality and Preference, 2013, 30, 128-138.	4.6	81
35	Where is the chocolate? Rapid spatial orienting toward stimuli associated with primary rewards. Cognition, 2014, 130, 348-359.	2.2	77
36	Behavioral and Neural Evidence of the Rewarding Value of Exercise Behaviors: A Systematic Review. Sports Medicine, 2018, 48, 1389-1404.	6.5	77

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37	The rise of affectivism. Nature Human Behaviour, 2021, 5, 816-820.	12.0	77
38	The functional profile of the human amygdala in affective processing: Insights from intracranial recordings. Cortex, 2014, 60, 10-33.	2.4	75
39	Levels of Valence. Frontiers in Psychology, 2013, 4, 261.	2.1	69
40	Cross-modal Emotional Attention: Emotional Voices Modulate Early Stages of Visual Processing. Journal of Cognitive Neuroscience, 2009, 21, 1670-1679.	2.3	68
41	How incorporation of scents could enhance immersive virtual experiences. Frontiers in Psychology, 2014, 5, 736.	2.1	68
42	An Appraisal-Driven Componential Approach to the Emotional Brain. Emotion Review, 2018, 10, 219-231.	3.4	68
43	Effects of emotional prosody on auditory extinction for voices in patients with spatial neglect. Neuropsychologia, 2008, 46, 487-496.	1.6	67
44	Thermal Analysis of Facial Muscles Contractions. IEEE Transactions on Affective Computing, 2011, 2, 2-9.	8.3	60
45	Stress increases cue-triggered â€œwantingâ€•for sweet reward in humans.. Journal of Experimental Psychology Animal Learning and Cognition, 2015, 41, 128-136.	0.5	60
46	Feel good, stay green: Positive affect promotes pro-environmental behaviors and mitigates compensatory â€œmental bookkeepingâ€•effects. Journal of Environmental Psychology, 2018, 56, 3-11.	5.1	57
47	Behold the voice of wrath: Cross-modal modulation of visual attention by anger prosody. Cognition, 2008, 106, 1497-1503.	2.2	53
48	Influence of adult attachment style on the perception of social and non-social emotional scenes. Journal of Social and Personal Relationships, 2012, 29, 530-544.	2.3	53
49	Advances in Understanding Energy Consumption Behavior and the Governance of Its Change Ã¢â‚¬â€œ Outline of an Integrated Framework. Frontiers in Energy Research, 2015, 3, .	2.3	52
50	Evolution of physical activity habits after a context change: The case of COVIDâ€19 lockdown. British Journal of Health Psychology, 2021, 26, 1135-1154.	3.5	49
51	Generating value(s): Psychological value hierarchies reflect context-dependent sensitivity of the reward system. Social Neuroscience, 2011, 6, 198-208.	1.3	47
52	Lateralized interactive social content and valence processing within the human amygdala. Frontiers in Human Neuroscience, 2013, 6, 358.	2.0	46
53	Affective Influences on Energy-Related Decisions and Behaviors. Frontiers in Energy Research, 2014, 2, .	2.3	46
54	Goal conduciveness as a key determinant of memory facilitation.. Emotion, 2013, 13, 622-628.	1.8	45

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55	Is comfort food really comforting? Mechanisms underlying stress-induced eating. Food Research International, 2015, 76, 207-215.	6.2	45
56	Iâ€™m No Longer Torn After Choice. Psychological Science, 2010, 21, 489-493.	3.3	43
57	The perception of changing emotion expressions. Cognition and Emotion, 2012, 26, 1273-1300.	2.0	43
58	Automatic integration of social information in emotion recognition.. Journal of Experimental Psychology: General, 2015, 144, 392-399.	2.1	42
59	Cognitive resources moderate the adverse impact of poor perceived neighborhood conditions on self-reported physical activity of older adults. Preventive Medicine, 2019, 126, 105741.	3.4	40
60	Human amygdala response to dynamic facial expressions of positive and negative surprise.. Emotion, 2014, 14, 161-169.	1.8	38
61	Memory for friends or foes: The social context of past encounters with faces modulates their subsequent neural traces in the brain. Social Neuroscience, 2009, 4, 384-401.	1.3	37
62	Social feedback processing from early to late adolescence: influence of sex, age, and attachment style. Brain and Behavior, 2014, 4, 703-720.	2.2	37
63	Neurocognitive mechanisms underlying value-based decision-making: from core values to economic value. Frontiers in Human Neuroscience, 2013, 7, 398.	2.0	35
64	Theoretical Approaches to Emotion and Its Measurement. , 2016, , 3-30.		35
65	Neural Substrates of Social Emotion Regulation: A fMRI Study on Imitation and Expressive Suppression to Dynamic Facial Signals. Frontiers in Psychology, 2013, 4, 95.	2.1	33
66	Androstadienoneâ€™s influence on the perception of facial and vocal attractiveness is not sex specific. Psychoneuroendocrinology, 2016, 66, 166-175.	2.7	32
67	Emotion Recognition in Simulated Social Interactions. IEEE Transactions on Affective Computing, 2018, , 1-1.	8.3	32
68	Altered lateralisation of emotional prosody processing in schizophrenia. Schizophrenia Research, 2009, 110, 180-187.	2.0	31
69	Sensitivity of Physiological Emotional Measures to Odors Depends on the Product and the Pleasantness Ranges Used. Frontiers in Psychology, 2015, 6, 1821.	2.1	31
70	Reward and emotion: an affective neuroscience approach. Current Opinion in Behavioral Sciences, 2021, 39, 161-167.	3.9	31
71	The importance of actions and the worth of an object: dissociable neural systems representing core value and economic value. Social Cognitive and Affective Neuroscience, 2012, 7, 497-505.	3.0	30
72	How to map the affective semantic space of scents. Cognition and Emotion, 2012, 26, 885-898.	2.0	30

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73	The mere exposure effect depends on an odorâ€™s initial pleasantness. Frontiers in Psychology, 2015, 6, 911.	2.1	30
74	Biological and Computational Constraints to Psychological Modelling of Emotion. Cognitive Technologies, 2011, , 47-62.	0.8	30
75	Psychophysics of emotion: The QUEST for Emotional Attention. Journal of Vision, 2010, 10, 1-9.	0.3	29
76	Self-reflection and positive schizotypy in the adolescent brain. Schizophrenia Research, 2014, 152, 65-72.	2.0	29
77	Emotional attention for erotic stimuli: Cognitive and brain mechanisms. Journal of Comparative Neurology, 2016, 524, 1668-1675.	1.6	29
78	Distinct Brain Areas involved in Anger versus Punishment during Social Interactions. Scientific Reports, 2018, 8, 10556.	3.3	29
79	Higher inhibitory control is required to escape the innate attraction to effort minimization. Psychology of Sport and Exercise, 2020, 51, 101781.	2.1	29
80	Temporal dynamics of amygdala response to emotion- and action-relevance. Scientific Reports, 2020, 10, 11138.	3.3	27
81	Delayed monitoring of accuracy errors compared to commission errors in ACC. NeuroImage, 2012, 60, 1925-1936.	4.2	26
82	Mindful regulation of positive emotions: a comparison with reappraisal and expressive suppression. Frontiers in Psychology, 2014, 5, 243.	2.1	23
83	Brain activity underlying negative self- and other-perception in adolescents: The role of attachment-derived self-representations. Cognitive, Affective and Behavioral Neuroscience, 2017, 17, 554-576.	2.0	23
84	Enhanced Pavlovian aversive conditioning to positive emotional stimuli.. Journal of Experimental Psychology: General, 2018, 147, 905-923.	2.1	23
85	Emotional expression and vocabulary learning in adults and children. Cognition and Emotion, 2013, 27, 539-548.	2.0	22
86	Learning to fear depends on emotion and gaze interaction: The role of self-relevance in fear learning. Biological Psychology, 2015, 109, 232-238.	2.2	22
87	Peripheral responses to attended and unattended angry prosody: A dichotic listening paradigm. Psychophysiology, 2011, 48, 385-392.	2.4	21
88	â€œThatâ€™s Deep!â€• The Role of Being Moved and Feelings of Profundity in the Appreciation of Serious Narratives. , 2017, , 347-369.		19
89	Affective Dilemmas: The Impact of Trait Affect and State Emotion on Sustainable Consumption Decisions in a Social Dilemma Task. Environment and Behavior, 2020, 52, 33-59.	4.7	19
90	An fMRI study of error monitoring in Montessori and traditionally-schooled children. Npj Science of Learning, 2020, 5, 11.	2.8	19

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91	When Flexibility Is Stable: Implicit Long-Term Shaping of Olfactory Preferences. PLoS ONE, 2012, 7, e37857.	2.5	18
92	Physically active individuals look for more: An eyeâ€tracking study of attentional bias. Psychophysiology, 2020, 57, e13582.	2.4	18
93	Neural response to the behaviorally relevant absence of anticipated outcomes and the presentation of potentially harmful stimuli: A human fMRI study. Cortex, 2011, 47, 191-201.	2.4	17
94	The role of the amygdala in the appraising brain. Behavioral and Brain Sciences, 2012, 35, 161-161.	0.7	17
95	Sharing the Fruit of Labor: Flexible Application of Justice Principles in an Ultimatum Game with Joint-Production. Social Justice Research, 2012, 25, 25-40.	1.1	17
96	How interpersonal power affects empathic accuracy: differential roles of mentalizing vs. mirroring?. Frontiers in Human Neuroscience, 2013, 7, 375.	2.0	17
97	Emotion recognition development: Preliminary evidence for an effect of school pedagogical practices. Learning and Instruction, 2020, 69, 101353.	3.2	17
98	Introduction: Moral Emotions. Topoi, 2015, 34, 397-400.	1.3	16
99	Relevance and emotion. Journal of Pragmatics, 2021, 181, 259-269.	1.5	16
100	Choice Both Affects and Reflects Preferences. Quarterly Journal of Experimental Psychology, 2014, 67, 1415-1427.	1.1	15
101	The Impact of Emotions and Empathy-Related Traits on Punishment Behavior: Introduction and Validation of the Inequality Game. PLoS ONE, 2016, 11, e0151028.	2.5	15
102	Differential Contributions of Ventral Striatum Subregions to the Motivational and Hedonic Components of the Affective Processing of Reward. Journal of Neuroscience, 2022, 42, 2716-2728.	3.6	15
103	Appraising value: The role of universal core values and emotions in decision-making. Cortex, 2014, 59, 203-205.	2.4	14
104	When symbolism overtakes quality: Materialists consumers disregard product quality when faced with luxury brands. Journal of Economic Psychology, 2017, 61, 115-123.	2.2	14
105	Not my future? Core values and the neural representation of future events. Cognitive, Affective and Behavioral Neuroscience, 2018, 18, 476-484.	2.0	14
106	Why Are Individuals With Diabetes Less Active? The Mediating Role of Physical, Emotional, and Cognitive Factors. Annals of Behavioral Medicine, 2021, 55, 904-917.	2.9	14
107	Measuring Pavlovian appetitive conditioning in humans with the postauricular reflex. Psychophysiology, 2018, 55, e13073.	2.4	13
108	Sweet reward increases implicit discrimination of similar odors. Frontiers in Behavioral Neuroscience, 2014, 8, 158.	2.0	11

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109	Swiss identity smells like chocolate: Social identity shapes olfactory judgments. Scientific Reports, 2016, 6, 34979.	3.3	11
110	â€œDior, Jâ€™adoreâ€: The role of contextual information of luxury on emotional responses to perfumes. Food Quality and Preference, 2018, 69, 36-43.	4.6	11
111	Effects of hunger on emotional arousal responses and attention/memory biases.. Emotion, 2021, 21, 148-158.	1.8	11
112	Odor and Emotion. , 2017, , 101-102.		11
113	Impact of couple conflict and mediation on how romantic partners are seen: An fMRI study. Cortex, 2020, 130, 302-317.	2.4	10
114	Individual differences in learning positive affective value. Current Opinion in Behavioral Sciences, 2021, 39, 19-26.	3.9	10
115	Basic tastes and basic emotions: Basic problems and perspectives for a nonbasic solution. Behavioral and Brain Sciences, 2008, 31, 88-88.	0.7	9
116	Functional neuroimaging of human vocalizations and affective speech. Behavioral and Brain Sciences, 2014, 37, 554-555.	0.7	9
117	Perception of Men's Beauty and Attractiveness by Women with Low Sexual Desire. Journal of Sexual Medicine, 2015, 12, 946-955.	0.6	9
118	The Geneva Faces and Voices (GEFAV) database. Behavior Research Methods, 2015, 47, 1110-1121.	4.0	9
119	Emotional memory: From affective relevance to arousal. Behavioral and Brain Sciences, 2016, 39, e216.	0.7	9
120	Goal-relevant situations facilitate memory of neutral faces. Cognitive, Affective and Behavioral Neuroscience, 2018, 18, 1269-1282.	2.0	9
121	Achievement motivation modulates Pavlovian aversive conditioning to goal-relevant stimuli. Npj Science of Learning, 2019, 4, 4.	2.8	9
122	Theoretical approaches to emotion and its measurement. , 2021, , 3-37.		9
123	A fascinating but risky case of reverse inference: From measures to emotions!. Food Quality and Preference, 2021, 92, 104183.	4.6	9
124	Cognitive functions and physical activity in aging when energy is lacking. European Journal of Ageing, 0, , 1.	2.8	9
125	Changing the Brain, Changing the Society: Clinical and Ethical Implications of Neuromodulation Techniques in Neurology and Psychiatry. Brain Topography, 2014, 27, 1-3.	1.8	8
126	Sustained effects of pleasant and unpleasant smells on resting state brain activity. Cortex, 2020, 132, 386-403.	2.4	8

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127	Effects of Outcomes and Random Arbitration on Emotions in a Competitive Gambling Task. Frontiers in Psychology, 2011, 2, 213.	2.1	7
128	Neural functional correlates of the impact of socio-emotional stimuli on performances on a flanker task in children aged 9â€“11 years. Neuropsychologia, 2020, 145, 106747.	1.6	7
129	Cognitive-bias modification intervention to improve physical activity in patients following a rehabilitation programme: protocol for the randomised controlled IMPACT trial. BMJ Open, 2021, 11, e053845.	1.9	7
130	Better Subjective Sleep Quality Partly Explains the Association Between Self-Reported Physical Activity and Better Cognitive Function. Journal of Alzheimer's Disease, 2022, 87, 919-931.	2.6	7
131	Trust and valence processing in the amygdala*. Social Cognitive and Affective Neuroscience, 2008, 3, 299-302.	3.0	6
132	More Than Meets the Eye: The Impact of Materialism on Information Selection During Luxury Choices. Frontiers in Behavioral Neuroscience, 2018, 12, 172.	2.0	6
133	Amalgams and the power of analytical chemistry: Affective science needs to decompose the appraisal-emotion interaction. Behavioral and Brain Sciences, 2005, 28, 216-217.	0.7	5
134	Feeling the future: prospects for a theory of implicit prospection. Biology and Philosophy, 2014, 29, 699-710.	1.4	5
135	Considering the Influence of the Pavlovian System on Behavior: Appraisal and Value Representation. Psychological Inquiry, 2017, 28, 52-55.	0.9	5
136	The impact of empathy and perspective-taking instructions on proponents and opponents of immigration. Humanities and Social Sciences Communications, 2020, 7, .	2.9	5
137	Associating a product with a luxury brand label modulates neural reward processing and favors choices in materialistic individuals. Scientific Reports, 2017, 7, 16176.	3.3	4
138	Brain Networks, Emotion Components, and Appraised Relevance. Emotion Review, 2018, 10, 238-241.	3.4	4
139	Comment: Collective Epistemic Emotions and Individualized Learning: A Relational Account. Emotion Review, 2020, 12, 230-232.	3.4	4
140	The Flexibility of Chemosensory Preferences. , 2012, , 257-275.		4
141	Editorial: Behavioral Insights for a Sustainable Energy Transition. Frontiers in Energy Research, 2016, 4, .	2.3	3
142	LikeWant: A new methodology to measure implicit wanting for flavors and fragrances. Food Quality and Preference, 2020, 80, 103829.	4.6	3
143	Childrenâ€™s automatic evaluation of selfâ€generated actions is different from adults. Developmental Science, 2021, 24, e13045.	2.4	3
144	Emotional learning. , 2021, , 133-165.		3

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145	3D-Printed Pacifier-Shaped Mouthpiece for fMRI-Compatible Gustometers. ENeuro, 2021, 8, ENEURO.0208-21.2021.	1.9	3
146	Vulnerability to relapse under stress: insights from affective neuroscience. Swiss Medical Weekly, 2019, 149, w20151.	1.6	3
147	How does perceiving eye direction modulate emotion recognition?. Behavioral and Brain Sciences, 2010, 33, 443-444.	0.7	2
148	Two kinds of respect for two kinds of contempt: Why contempt can be both a sentiment and an emotion. Behavioral and Brain Sciences, 2017, 40, e234.	0.7	2
149	Socio-affective inferential mechanisms involved in emotion recognition. , 2019, , 142-164.		2
150	Measuring wanting without asking: The Pavlovian-to-instrumental transfer paradigm under test. Food Quality and Preference, 2019, 78, 103720.	4.6	2
151	Intrinsic Emotional Relevance of Outcomes and Prediction Error. Journal of Psychophysiology, 2012, 26, 42-50.	0.7	2
152	The emotional shape of our moral life: Anger-related emotions and mutualistic anthropology. Behavioral and Brain Sciences, 2013, 36, 86-87.	0.7	1
153	When at rest: â€œEvent-freeâ€•active inference may give rise to implicit self-models of coping potential. Behavioral and Brain Sciences, 2015, 38, e114.	0.7	1
154	Unconscious emotional processing. Food Quality and Preference, 2021, 92, 104177.	4.6	1
155	The Link Between Temporal Attention and Emotion: A Playground for Psychology, Neuroscience, and Plausible Artificial Neural Networks. Lecture Notes in Computer Science, 2007, , 859-868.	1.3	1
156	Beyond Personal Empathy: Perceiving Inclusive Empathy as Socially Shared Predicts Support for Transitional Justice Mechanisms. Affective Science, 2021, 2, 402.	2.6	1
157	The role of epistemic emotions in learning from others. Behavioral and Brain Sciences, 2021, 44, e151.	0.7	1
158	Quarreling After a Sleepless Night: Preliminary Evidence of the Impact of Sleep Deprivation on Interpersonal Conflict. Affective Science, 0, , 1.	2.6	1
159	Swiss Identity Smells Like Chocolate: Social Identity Shapes Olfactory Experience. SSRN Electronic Journal, 2016, , .	0.4	0
160	Exogenous capture of visual spatial attention by olfactory-trigeminal stimuli. PLoS ONE, 2021, 16, e0252943.	2.5	0
161	Cas 13. Ã‰valuation des processus Ã©motionnels chez une jeune fille avec tumeur amygdalienne gaucheÂ: mise en Ã©vidence dâ€™un dÃ©ficit de la mÃ©moire Ã©motionnelle verbale. , 2018, , 331-346.		0
162	Emotions in attacker-defender conflicts. Behavioral and Brain Sciences, 2019, 42, e120.	0.7	0

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163	Considerations for the study of â€œincentive hopeâ€•and sign-tracking behaviors in humans. Behavioral and Brain Sciences, 2019, 42, e48.	0.7	0