

Jaak Panksepp

List of Publications by Year in descending order

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387
papers

33,496
citations

3531

90
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4548

171
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403
all docs

403
docs citations

403
times ranked

17185
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-referential processing in our brain—A meta-analysis of imaging studies on the self. <i>NeuroImage</i> , 2006, 31, 440-457.	4.2	2,350
2	The role of nucleus accumbens dopamine in motivated behavior: a unifying interpretation with special reference to reward-seeking. <i>Brain Research Reviews</i> , 1999, 31, 6-41.	9.0	1,438
3	Toward a general psychobiological theory of emotions. <i>Behavioral and Brain Sciences</i> , 1982, 5, 407-422.	0.7	1,060
4	Affective consciousness: Core emotional feelings in animals and humans. <i>Consciousness and Cognition</i> , 2005, 14, 30-80.	1.5	844
5	Brain Substrates of Infant—Mother Attachment: Contributions of Opioids, Oxytocin, and Norepinephrine. <i>Neuroscience and Biobehavioral Reviews</i> , 1998, 22, 437-452.	6.1	717
6	The neurobiology of positive emotions. <i>Neuroscience and Biobehavioral Reviews</i> , 2006, 30, 173-187.	6.1	561
7	Sleep as a fundamental property of neuronal assemblies. <i>Nature Reviews Neuroscience</i> , 2008, 9, 910-919.	10.2	520
8	Ultrasonic vocalizations as indices of affective states in rats.. <i>Psychological Bulletin</i> , 2002, 128, 961-977.	6.1	517
9	Behavioral functions of the mesolimbic dopaminergic system: An affective neuroethological perspective. <i>Brain Research Reviews</i> , 2007, 56, 283-321.	9.0	481
10	The ontogeny of play in rats. <i>Developmental Psychobiology</i> , 1981, 14, 327-332.	1.6	475
11	Acute effects of steroid hormones and neuropeptides on human social—emotional behavior: A review of single administration studies. <i>Frontiers in Neuroendocrinology</i> , 2012, 33, 17-35.	5.2	467
12	The basic emotional circuits of mammalian brains: Do animals have affective lives?. <i>Neuroscience and Biobehavioral Reviews</i> , 2011, 35, 1791-1804.	6.1	461
13	The psychobiology of play: Theoretical and methodological perspectives. <i>Neuroscience and Biobehavioral Reviews</i> , 1984, 8, 465-492.	6.1	450
14	Emotional sounds and the brain: the neuro-affective foundations of musical appreciation. <i>Behavioural Processes</i> , 2002, 60, 133-155.	1.1	421
15	Anticipation of play elicits high-frequency ultrasonic vocalizations in young rats.. <i>Journal of Comparative Psychology (Washington, D C: 1983)</i> , 1998, 112, 65-73.	0.5	414
16	—Laughing—rats and the evolutionary antecedents of human joy?. <i>Physiology and Behavior</i> , 2003, 79, 533-547.	2.1	411
17	The Emotional Sources of "Chills" Induced by Music. <i>Music Perception</i> , 1995, 13, 171-207.	1.1	404
18	Ultrasonic vocalizations of rats (<i>Rattus norvegicus</i>) during mating, play, and aggression: Behavioral concomitants, relationship to reward, and self-administration of playback... <i>Journal of Comparative Psychology (Washington, D C: 1983)</i> , 2008, 122, 357-367.	0.5	381

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19	Social deprivation and play in rats. Behavioral and Neural Biology, 1980, 30, 197-206.	2.2	362
20	50-kHz chirping (laughter?) in response to conditioned and unconditioned tickle-induced reward in rats: effects of social housing and genetic variables. Behavioural Brain Research, 2000, 115, 25-38.	2.2	345
21	Neurobiology of 50-kHz ultrasonic vocalizations in rats: Electrode mapping, lesion, and pharmacology studies. Behavioural Brain Research, 2007, 182, 274-283.	2.2	316
22	Neurologizing the Psychology of Affects: How Appraisal-Based Constructivism and Basic Emotion Theory Can Coexist. Perspectives on Psychological Science, 2007, 2, 281-296.	9.0	301
23	Human Medial Forebrain Bundle (MFB) and Anterior Thalamic Radiation (ATR): Imaging of Two Major Subcortical Pathways and the Dynamic Balance of Opposite Affects in Understanding Depression. Journal of Neuropsychiatry and Clinical Neurosciences, 2012, 24, 223-236.	1.8	300
24	Effects of morphine and naloxone on separation distress and approach attachment: Evidence for opiate mediation of social affect. Pharmacology Biochemistry and Behavior, 1978, 9, 213-220.	2.9	298
25	At the interface of the affective, behavioral, and cognitive neurosciences: Decoding the emotional feelings of the brain. Brain and Cognition, 2003, 52, 4-14.	1.8	289
26	A neurochemical theory of autism. Trends in Neurosciences, 1979, 2, 174-177.	8.6	281
27	The Affective Neuroscience Personality Scales: Normative Data and Implications. Neuropsychoanalysis, 2003, 5, 57-69.	0.7	280
28	Frequency-modulated 50 kHz ultrasonic vocalizations: a tool for uncovering the molecular substrates of positive affect. Neuroscience and Biobehavioral Reviews, 2011, 35, 1831-1836.	6.1	278
29	Aggression elicited by electrical stimulation of the hypothalamus in albino rats. Physiology and Behavior, 1971, 6, 321-329.	2.1	266
30	Feeling the Pain of Social Loss. Science, 2003, 302, 237-239.	12.6	266
31	The role of brain emotional systems in addictions: a neuro-evolutionary perspective and new "self-report" animal model. Addiction, 2002, 97, 459-469.	3.3	257
32	What is Basic about Basic Emotions? Lasting Lessons from Affective Neuroscience. Emotion Review, 2011, 3, 387-396.	3.4	251
33	Cross-Species Affective Neuroscience Decoding of the Primal Affective Experiences of Humans and Related Animals. PLoS ONE, 2011, 6, e21236.	2.5	248
34	A Proposal for a Coordinated Effort for the Determination of Brainwide Neuroanatomical Connectivity in Model Organisms at a Mesoscopic Scale. PLoS Computational Biology, 2009, 5, e1000334.	3.2	242
35	A critical role for "affective neuroscience" in resolving what is basic about basic emotions.. Psychological Review, 1992, 99, 554-560.	3.8	238
36	Ultra-Low-Dose Buprenorphine as a Time-Limited Treatment for Severe Suicidal Ideation: A Randomized Controlled Trial. American Journal of Psychiatry, 2016, 173, 491-498.	7.2	233

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37	Toward a cross-species understanding of empathy. Trends in Neurosciences, 2013, 36, 489-496.	8.6	230
38	Cross-species affective functions of the medial forebrain bundle—Implications for the treatment of affective pain and depression in humans. Neuroscience and Biobehavioral Reviews, 2011, 35, 1971-1981.	6.1	227
39	Opiates and play dominance in juvenile rats.. Behavioral Neuroscience, 1985, 99, 441-453.	1.2	225
40	The “I-dâ€•Knows More than the “Ego” Admits: Neuropsychanalytic and Primal Consciousness Perspectives on the Interface Between Affective and Cognitive Neuroscience. Brain Sciences, 2012, 2, 147-175.	2.3	218
41	Nucleus accumbens amphetamine microinjections unconditionally elicit 50-kHz ultrasonic vocalizations in rats.. Behavioral Neuroscience, 2001, 115, 940-944.	1.2	211
42	Emotional endophenotypes in evolutionary psychiatry. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2006, 30, 774-784.	4.8	210
43	Anticipation of rewarding electrical brain stimulation evokes ultrasonic vocalization in rats.. Behavioral Neuroscience, 2000, 114, 320-327.	1.2	206
44	Tickling induces reward in adolescent rats. Physiology and Behavior, 2001, 72, 167-173.	2.1	203
45	The brain's emotional foundations of human personality and the Affective Neuroscience Personality Scales. Neuroscience and Biobehavioral Reviews, 2011, 35, 1946-1958.	6.1	202
46	Reanalysis of feeding patterns in the rat.. Journal of Comparative and Physiological Psychology, 1973, 82, 78-94.	1.8	201
47	Effects of neonatal decortication on the social play of juvenile rats. Physiology and Behavior, 1994, 56, 429-443.	2.1	200
48	The trans-species concept of self and the subcortical—cortical midline system. Trends in Cognitive Sciences, 2008, 12, 259-264.	7.8	200
49	An incentive model of rewarding brain stimulation.. Psychological Review, 1969, 76, 264-281.	3.8	194
50	The SEEKING mind: Primal neuro-affective substrates for appetitive incentive states and their pathological dynamics in addictions and depression. Neuroscience and Biobehavioral Reviews, 2011, 35, 1805-1820.	6.1	193
51	Brain Systems for the Mediation of Social Separation-Distress and Social-Reward Evolutionary Antecedents and Neuropeptide Intermediaries. Annals of the New York Academy of Sciences, 1997, 807, 78-100.	3.8	192
52	High-Frequency Ultrasonic Vocalizations Index Conditioned Pharmacological Reward in Rats. Physiology and Behavior, 1999, 66, 639-643.	2.1	189
53	The “resting-state hypothesis”™ of major depressive disorder—A translational subcortical—cortical framework for a system disorder. Neuroscience and Biobehavioral Reviews, 2011, 35, 1929-1945.	6.1	189
54	Emotional foundations of music as a non-pharmacological pain management tool in modern medicine. Neuroscience and Biobehavioral Reviews, 2011, 35, 1989-1999.	6.1	187

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55	An autoradiographic map of (3H) diprenorphine binding in rat brain: Effects of social interaction. Brain Research Bulletin, 1981, 7, 405-410.	3.0	181
56	Dissociations between appetitive and consummatory responses by pharmacological manipulations of reward-relevant brain regions.. Behavioral Neuroscience, 1996, 110, 331-345.	1.2	177
57	Sensory modulation of juvenile play in rats. Developmental Psychobiology, 1987, 20, 39-55.	1.6	167
58	Affective neuroscience of the emotional BrainMind: evolutionary perspectives and implications for understanding depression. Dialogues in Clinical Neuroscience, 2010, 12, 533-545.	3.7	163
59	Depression: An Evolutionarily Conserved Mechanism to Terminate Separation Distress? A Review of Aminergic, Peptidergic, and Neural Network Perspectives. Neuropsychoanalysis, 2009, 11, 7-51.	0.7	162
60	In search of the neurobiological substrates for social playfulness in mammalian brains. Neuroscience and Biobehavioral Reviews, 2011, 35, 1821-1830.	6.1	158
61	Expression of c- fos gene activation during rough and tumble play in juvenile rats. Brain Research Bulletin, 2002, 57, 651-659.	3.0	157
62	Why Does Depression Hurt? Ancestral Primary-Process Separation-Distress (PANIC/GRIEF) and Diminished Brain Reward (SEEKING) Processes in the Genesis of Depressive Affect. Psychiatry (New York), 2017, 150, 101-110.	0.7	105
63	Neuroevolutionary sources of laughter and social joy: Modeling primal human laughter in laboratory rats. Behavioural Brain Research, 2007, 182, 231-244.	2.2	151
64	Reduction of distress vocalization in chicks by opiate-like peptides. Brain Research Bulletin, 1978, 3, 663-667.	3.0	148
65	The neurochemical control of crying. Pharmacology Biochemistry and Behavior, 1980, 12, 437-443.	2.9	142
66	PSYCHOLOGY: Beyond a Joke: From Animal Laughter to Human Joy?. Science, 2005, 308, 62-63.	12.6	129
67	Primary Emotional Systems and Personality: An Evolutionary Perspective. Frontiers in Psychology, 2017, 8, 464.	2.1	129
68	Oxytocin mediates acquisition of maternally associated odor preferences in preweanling rat pups.. Behavioral Neuroscience, 1996, 110, 583-592.	1.2	128
69	Is subcortical-cortical midline activity in depression mediated by glutamate and GABA? A cross-species translational approach. Neuroscience and Biobehavioral Reviews, 2010, 34, 592-605.	6.1	128
70	Differential parametric modulation of self-relatedness and emotions in different brain regions. Human Brain Mapping, 2009, 30, 369-382.	3.6	127
71	Effects of hypothalamic lesions on mouse-killing and shock-induced fighting in rats. Physiology and Behavior, 1971, 6, 311-316.	2.1	126
72	The trans-species core SELF: The emergence of active cultural and neuro-ecological agents through self-related processing within subcortical-cortical midline networks. Consciousness and Cognition, 2009, 18, 193-215.	1.5	123

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73	Brief report: A double-blind study of naltrexone in infantile autism. <i>Journal of Autism and Developmental Disorders</i> , 1992, 22, 309-319.	2.7	120
74	Morphine reduces social cohesion in rats. <i>Pharmacology Biochemistry and Behavior</i> , 1979, 11, 131-134.	2.9	118
75	Brain Opioids and Social Emotions. , 1985, , 3-49.		116
76	Human brain EEG indices of emotions: Delineating responses to affective vocalizations by measuring frontal theta event-related synchronization. <i>Neuroscience and Biobehavioral Reviews</i> , 2011, 35, 1959-1970.	6.1	116
77	Effects of morphine and naloxone on play-rewarded spatial discrimination in juvenile rats. <i>Developmental Psychobiology</i> , 1990, 23, 75-83.	1.6	115
78	An Evolutionary Framework to Understand Foraging, Wanting, and Desire: The Neuropsychology of the SEEKING System. <i>Neuropsychanalysis</i> , 2012, 14, 5-39.	0.7	109
79	Exposure to Cocaine Dynamically Regulates the Intrinsic Membrane Excitability of Nucleus Accumbens Neurons. <i>Journal of Neuroscience</i> , 2010, 30, 3689-3699.	3.6	108
80	What is neuropsychanalysis? Clinically relevant studies of the minded brain. <i>Trends in Cognitive Sciences</i> , 2012, 16, 6-8.	7.8	108
81	Opioid blockade and social comfort in chicks. <i>Pharmacology Biochemistry and Behavior</i> , 1980, 13, 673-683.	2.9	107
82	Low-dose naltrexone effects on plasma chemistries and clinical symptoms in autism: a double-blind, placebo-controlled study. <i>Psychiatry Research</i> , 1995, 58, 191-201.	3.3	107
83	Brain opioids and motherâ€™s infant social motivation. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 1994, 83, 40-46.	1.5	105
84	Chronic intermittent amphetamine pretreatment enhances future appetitive behavior for drug- and natural-reward: interaction with environmental variables. <i>Behavioural Brain Research</i> , 2002, 128, 189-203.	2.2	105
85	Modulation of hypothalamic self-stimulation and escape behavior by chlordiazepoxide. <i>Physiology and Behavior</i> , 1970, 5, 965-969.	2.1	103
86	Breeding for 50-kHz Positive Affective Vocalization in Rats. <i>Behavior Genetics</i> , 2005, 35, 67-72.	2.1	101
87	Brain opioids and autism: An updated analysis of possible linkages. <i>Journal of Autism and Developmental Disorders</i> , 1987, 17, 201-216.	2.7	100
88	Feeding in response to repeated protamine zinc insulin injections. <i>Physiology and Behavior</i> , 1975, 14, 487-493.	2.1	99
89	Rethinking the cognitive revolution from a neural perspective: How overuse/misuse of the term â€œcognitionâ€™ and the neglect of affective controls in behavioral neuroscience could be delaying progress in understanding the BrainMind. <i>Neuroscience and Biobehavioral Reviews</i> , 2011, 35, 2026-2035.	6.1	99
90	Reconciling cognitive and affective neuroscience perspectives on the brain basis of emotional experience. <i>Neuroscience and Biobehavioral Reviews</i> , 2017, 76, 187-215.	6.1	98

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91	Mathematical analysis of energy regulatory patterns of normal and diabetic rats.. Journal of Comparative and Physiological Psychology, 1975, 89, 1019-1028.	1.8	97
92	The effects of early social isolation on the motivation for social play in juvenile rats. Developmental Psychobiology, 1992, 25, 261-274.	1.6	96
93	Oxytocin Effects on Emotional Processes: Separation Distress, Social Bonding, and Relationships to Psychiatric Disorders. Annals of the New York Academy of Sciences, 1992, 652, 243-252.	3.8	93
94	Socially-induced brain "fertilization"™: play promotes brain derived neurotrophic factor transcription in the amygdala and dorsolateral frontal cortex in juvenile rats. Neuroscience Letters, 2003, 341, 17-20.	2.1	92
95	High frequency repetitive transcranial magnetic over the medial cerebellum induces a shift in the prefrontal electroencephalography gamma spectrum: a pilot study in humans. Neuroscience Letters, 2003, 336, 73-76.	2.1	91
96	The Riddle of Laughter. Current Directions in Psychological Science, 2000, 9, 183-186.	5.3	90
97	The long-term psychobiological consequences of infant emotions: Prescriptions for the twenty-first century. Infant Mental Health Journal, 2001, 22, 132-173.	1.8	90
98	Affective neuroscientific and neuropsychanalytic approaches to two intractable psychiatric problems: Why depression feels so bad and what addicts really want. Neuroscience and Biobehavioral Reviews, 2011, 35, 2000-2008.	6.1	90
99	Emotions as Viewed by Psychoanalysis and Neuroscience: An Exercise in Consilience. Neuropsychanalysis, 1999, 1, 15-38.	0.7	89
100	Drugs and stimulus-bound attack. Physiology and Behavior, 1971, 6, 317-320.	2.1	88
101	Evaluation of rat ultrasonic vocalizations as predictors of the conditioned aversive effects of drugs. Psychopharmacology, 2001, 155, 35-42.	3.1	88
102	The effects of selective breeding for differential rates of 50kHz ultrasonic vocalizations on emotional behavior in rats. Developmental Psychobiology, 2009, 51, 34-46.	1.6	84
103	Attention Deficit Hyperactivity Disorders, Psychostimulants, and Intolerance of Childhood Playfulness. Current Directions in Psychological Science, 1998, 7, 91-98.	5.3	82
104	Low-dose naltrexone for disease prevention and quality of life. Medical Hypotheses, 2009, 72, 333-337.	1.5	79
105	Is satiety mediated by the ventromedial hypothalamus?. Physiology and Behavior, 1971, 7, 381-384.	2.1	78
106	A re-examination of the role of the ventromedial hypothalamus in feeding behavior. Physiology and Behavior, 1971, 7, 385-394.	2.1	78
107	Modeling ADHD-type arousal with unilateral frontal cortex damage in rats and beneficial effects of play therapy. Brain and Cognition, 2003, 52, 97-105.	1.8	78
108	The flow of anoetic to noetic and auto-noetic consciousness: A vision of unknowing (anoetic) and knowing (noetic) consciousness in the remembrance of things past and imagined futures. Consciousness and Cognition, 2009, 18, 1018-1028.	1.5	78

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109	Music chills: The eye pupil as a mirror to music's soul. <i>Consciousness and Cognition</i> , 2016, 44, 161-178.	1.5	78
110	Tractographic Analysis of Historical Lesion Surgery for Depression. <i>Neuropsychopharmacology</i> , 2010, 35, 2553-2563.	5.4	77
111	Empathy and the Laws of Affect. <i>Science</i> , 2011, 334, 1358-1359.	12.6	76
112	Can anthropomorphic analyses of separation cries in other animals inform us about the emotional nature of social loss in humans? Comment on Blumberg and Sokoloff (2001).. <i>Psychological Review</i> , 2003, 110, 376-388.	3.8	75
113	A novel NMDA receptor glycine-site partial agonist, GLYX-13, has therapeutic potential for the treatment of autism. <i>Neuroscience and Biobehavioral Reviews</i> , 2011, 35, 1982-1988.	6.1	74
114	An Affective Neuroscience Framework for the Molecular Study of Internet Addiction. <i>Frontiers in Psychology</i> , 2016, 7, 1906.	2.1	74
115	Social defeat, a paradigm of depression in rats that elicits 22-kHz vocalizations, preferentially activates the cholinergic signaling pathway in the periaqueductal gray. <i>Behavioural Brain Research</i> , 2007, 182, 290-300.	2.2	72
116	Repeated cocaine exposure induces sensitization of ultrasonic vocalization in rats. <i>Neuroscience Letters</i> , 2009, 453, 31-35.	2.1	72
117	Inverse effects of oxytocin on attributing mental activity to others in depressed and healthy subjects: a double-blind placebo controlled fMRI study. <i>Frontiers in Psychiatry</i> , 2010, 1, 134.	2.6	71
118	Imaging the structure of the human anxious brain: a review of findings from neuroscientific personality psychology. <i>Reviews in the Neurosciences</i> , 2013, 24, 167-90.	2.9	70
119	A neurocognitive theory of higher mental emergence: From anoetic affective experiences to noetic knowledge and auto-noetic awareness. <i>Neuroscience and Biobehavioral Reviews</i> , 2011, 35, 2017-2025.	6.1	69
120	Affective Neuroscience Strategies for Understanding and Treating Depression. <i>Clinical Psychological Science</i> , 2014, 2, 472-494.	4.0	68
121	Octodon degus. A useful animal model for social-affective neuroscience research: Basic description of separation distress, social attachments and play. <i>Neuroscience and Biobehavioral Reviews</i> , 2011, 35, 1854-1863.	6.1	67
122	Decreased Feeding after Injections of Amino-acids into the Hypothalamus. <i>Nature</i> , 1971, 233, 341-342.	27.8	64
123	Brief social isolation, pain responsivity, and morphine analgesia in young rats. <i>Psychopharmacology</i> , 1980, 72, 111-112.	3.1	64
124	Positive affective vocalizations during cocaine and sucrose self-administration: A model for spontaneous drug desire in rats. <i>Neuropharmacology</i> , 2011, 61, 268-275.	4.1	64
125	Individual differences in Affective Neuroscience Personality Scale (ANPS) primary emotional traits and depressive tendencies. <i>Comprehensive Psychiatry</i> , 2017, 73, 136-142.	3.1	63
126	Evolutionary aspects of self- and world consciousness in vertebrates. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 157.	2.0	62

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127	Rough-and-tumble play in human children. <i>Aggressive Behavior</i> , 2003, 29, 539-551.	2.4	60
128	Regional brain cholecystokinin changes as a function of friendly and aggressive social interactions in rats. <i>Brain Research</i> , 2004, 1025, 75-84.	2.2	60
129	Can PLAY diminish ADHD and facilitate the construction of the social brain?. <i>Journal of the Canadian Academy of Child and Adolescent Psychiatry</i> , 2007, 16, 57-66.	0.6	60
130	Insulin, glucose and hypothalamic regulation of feeding. <i>Physiology and Behavior</i> , 1972, 9, 447-451.	2.1	57
131	Criteria for basic emotions: Is DISGUST a primary "emotion"? <i>Cognition and Emotion</i> , 2007, 21, 1819-1828.	2.0	56
132	The Affective Core of the Self: A Neuro-Archetypical Perspective on the Foundations of Human (and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.1	56
133	Modification of diurnal feeding patterns by palatability. <i>Physiology and Behavior</i> , 1975, 15, 673-677.	2.1	55
134	Brain responses to chronic social defeat stress: Effects on regional oxidative metabolism as a function of a hedonic trait, and gene expression in susceptible and resilient rats. <i>European Neuropsychopharmacology</i> , 2011, 21, 92-107.	0.7	55
135	Energy balance and play in juvenile rats. <i>Physiology and Behavior</i> , 1985, 35, 435-441.	2.1	54
136	Drug-sensitive reward in crayfish: An invertebrate model system for the study of SEEKING, reward, addiction, and withdrawal. <i>Neuroscience and Biobehavioral Reviews</i> , 2011, 35, 1847-1853.	6.1	54
137	The role of GABA in the ventromedial hypothalamic regulation of food intake. <i>Brain Research Bulletin</i> , 1980, 5, 453-460.	3.0	53
138	The role of brain norepinephrine in clonidine suppression of isolation-induced distress in the domestic chick. <i>Psychopharmacology</i> , 1983, 79, 338-342.	3.1	53
139	Opioids: <i>From Physical Pain to the Pain of Social Isolation</i>. <i>CNS Spectrums</i> , 2007, 12, 669-674.	1.2	53
140	Cross-Species Neuroaffective Parsing of Primal Emotional Desires and Aversions in Mammals. <i>Emotion Review</i> , 2013, 5, 235-240.	3.4	53
141	Neural and Neurochemical Control of the Separation Distress Call. , 1988, , 263-299.		52
142	Emotional feelings originate below the neocortex: Toward a neurobiology of the soul. <i>Behavioral and Brain Sciences</i> , 2007, 30, 101-103.	0.7	50
143	Brief report: A synopsis of an open-trial of naltrexone treatment of autism with four children. <i>Journal of Autism and Developmental Disorders</i> , 1991, 21, 243-249.	2.7	48
144	The basic neuroscience of emotional experiences in mammals: The case of subcortical FEAR circuitry and implications for clinical anxiety. <i>Applied Animal Behaviour Science</i> , 2011, 129, 1-17.	1.9	48

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145	Oxytocin sharpens self-other perceptual boundary. <i>Psychoneuroendocrinology</i> , 2013, 38, 2996-3002.	2.7	48
146	The Emergence of Primary Anoetic Consciousness in Episodic Memory. <i>Frontiers in Behavioral Neuroscience</i> , 2014, 7, 210.	2.0	48
147	The pleasure in brain substrates of foraging. <i>Behavioral and Brain Sciences</i> , 1982, 5, 71-72.	0.7	47
148	Suppression of food intake in diabetic rats by voluntary consumption and intrahypothalamic injection of glucose. <i>Physiology and Behavior</i> , 1976, 16, 763-770.	2.1	46
149	The relationship between self-stimulation and sniffing in rats: does a common brain system mediate these behaviors?. <i>Behavioural Brain Research</i> , 1994, 61, 143-162.	2.2	46
150	Commentary on "Understanding Addictive Vulnerability". <i>Neuropsychoanalysis</i> , 2003, 5, 21-29.	0.7	46
151	The Power of the Word May Reside in the Power of Affect. <i>Integrative Psychological and Behavioral Science</i> , 2008, 42, 47-55.	0.9	45
152	Reduced fear-recognition sensitivity following acute buprenorphine administration in healthy volunteers. <i>Psychoneuroendocrinology</i> , 2013, 38, 166-170.	2.7	45
153	THE ANATOMY OF EMOTIONS. , 1986, , 91-124.		43
154	Why Does Separation Distress Hurt? Comment on MacDonald and Leary (2005).. <i>Psychological Bulletin</i> , 2005, 131, 224-230.	6.1	43
155	Does any aspect of mind survive brain damage that typically leads to a persistent vegetative state? Ethical considerations. <i>Philosophy, Ethics, and Humanities in Medicine</i> , 2007, 2, 32.	1.5	42
156	Effects of intraaccumbens amphetamine on production of 50kHz vocalizations in three lines of selectively bred Long-Evans rats. <i>Behavioural Brain Research</i> , 2011, 217, 32-40.	2.2	42
157	The cross-mammalian neurophenomenology of primal emotional affects: From animal feelings to human therapeutics. <i>Journal of Comparative Neurology</i> , 2016, 524, 1624-1635.	1.6	42
158	Primary Process Affects and Brain Oxytocin. <i>Biological Psychiatry</i> , 2009, 65, 725-727.	1.3	41
159	On the motivational deficits after medial hypothalamic lesions. <i>Physiology and Behavior</i> , 1972, 9, 609-614.	2.1	40
160	The neuro-evolutionary cusp between emotions and cognitions. <i>Consciousness & Emotion</i> , 2000, 1, 15-54.	0.2	40
161	Regional brain cholecystokinin changes as a function of rough-and-tumble play behavior in adolescent rats. <i>Peptides</i> , 2006, 27, 172-177.	2.4	40
162	Stress-induced, glucocorticoid-dependent strengthening of glutamatergic synaptic transmission in midbrain dopamine neurons. <i>Neuroscience Letters</i> , 2009, 452, 273-276.	2.1	40

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163	Rats selectively bred for low levels of play-induced 50kHz vocalizations as a model for Autism Spectrum Disorders: A role for NMDA receptors. <i>Behavioural Brain Research</i> , 2013, 251, 18-24.	2.2	40
164	Noradrenergic pathways and sleep-waking states in cats. <i>Experimental Neurology</i> , 1973, 41, 233-245.	4.1	39
165	d-Glucose infusions into the basal ventromedial hypothalamus and feeding. <i>Behavioural Brain Research</i> , 1981, 3, 381-392.	2.2	38
166	Dorsomedial diencephalic involvement in the juvenile play of rats.. <i>Behavioral Neuroscience</i> , 1985, 99, 1103-1113.	1.2	38
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