Thomas R Insel

List of Publications by Year
in descending order

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156 papers	32,241 citations	4960 84 h-index	6996 154 g-index
160 all docs	160 docs citations	160 times ranked	23980 citing authors

#	Article	IF	Citations
1	Toward the future of psychiatric diagnosis: the seven pillars of RDoC. BMC Medicine, 2013, 11, 126.	5.5	2,210
2	Grand challenges in global mental health. Nature, 2011, 475, 27-30.	27.8	1,654
3	Rethinking schizophrenia. Nature, 2010, 468, 187-193.	27.8	1,482
4	The NIMH Research Domain Criteria (RDoC) Project: Precision Medicine for Psychiatry. American Journal of Psychiatry, 2014, 171, 395-397.	7.2	1,170
5	The neurobiology of attachment. Nature Reviews Neuroscience, 2001, 2, 129-136.	10.2	1,030
6	Social amnesia in mice lacking the oxytocin gene. Nature Genetics, 2000, 25, 284-288.	21.4	999
7	The Challenge of Translation in Social Neuroscience: A Review of Oxytocin, Vasopressin, and Affiliative Behavior. Neuron, 2010, 65, 768-779.	8.1	971
8	Oxytocin in the Medial Amygdala is Essential for Social Recognition in the Mouse. Journal of Neuroscience, 2001, 21, 8278-8285.	3.6	938
9	A role for central vasopressin in pair bonding in monogamous prairie voles. Nature, 1993, 365, 545-548.	27.8	876
10	Early Life Programming and Neurodevelopmental Disorders. Biological Psychiatry, 2010, 68, 314-319.	1.3	791
11	Schizophrenia. Nature Reviews Disease Primers, 2015, 1, 15067.	30.5	724
12	Digital Phenotyping. JAMA - Journal of the American Medical Association, 2017, 318, 1215.	7.4	548
13	Oxytocin â€" A neuropeptide for affiliation: Evidence from behavioral, receptor autoradiographic, and comparative studies. Psychoneuroendocrinology, 1992, 17, 3-35.	2.7	499
14	HOW THE BRAIN PROCESSES SOCIAL INFORMATION: Searching for the Social Brain. Annual Review of Neuroscience, 2004, 27, 697-722.	10.7	489
15	Cellular Mechanisms of Social Attachment. Hormones and Behavior, 2001, 40, 133-138.	2.1	457
16	The Neuroendocrine Basis of Social Recognition. Frontiers in Neuroendocrinology, 2002, 23, 200-224.	5.2	451
17	Oxytocin Administered Centrally Facilitates Formation of a Partner Preference in Female Prairie Voles (Microtus ochrogaster). Journal of Neuroendocrinology, 1994, 6, 247-250.	2.6	442
18	Increased affiliative response to vasopressin in mice expressing the V1a receptor from a monogamous vole. Nature, 1999, 400, 766-768.	27.8	439

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19	A gender-specific mechanism for pair bonding: Oxytocin and partner preference formation in monogamous voles.. Behavioral Neuroscience, 1995, 109, 782-789.	1.2	424
20	Translating Scientific Opportunity Into Public Health Impact. Archives of General Psychiatry, 2009, 66, 128.	12.3	411
21	Assessing the Economic Costs of Serious Mental Illness. American Journal of Psychiatry, 2008, 165, 663-665.	7.2	393
22	Obsessive-compulsive disorder: psychobiological approaches to diagnosis, treatment, and pathophysiology. Biological Psychiatry, 1987, 22, 667-687.	1.3	391
23	Is social attachment an addictive disorder?. Physiology and Behavior, 2003, 79, 351-357.	2.1	390
24	Nucleus accumbens dopamine differentially mediates the formation and maintenance of monogamous pair bonds. Nature Neuroscience, 2006, 9, 133-139.	14.8	386
25	Distribution of Corticosteroid Receptors in the Rhesus Brain: Relative Absence of Glucocorticoid Receptors in the Hippocampal Formation. Journal of Neuroscience, 2000, 20, 4657-4668.	3.6	372
26	Rearing Effects on Cerebrospinal Fluid Oxytocin Concentration and Social Buffering in Rhesus Monkeys. Neuropsychopharmacology, 2003, 28, 910-918.	5.4	348
27	Obsessive-Compulsive Disorder. Archives of General Psychiatry, 1983, 40, 605.	12.3	327
28	Infant Vocalization, Adult Aggression, and Fear Behavior of an Oxytocin Null Mutant Mouse. Hormones and Behavior, 2000, 37, 145-155.	2.1	322
29	Epigenetic sources of behavioral differences in mice. Nature Neuroscience, 2003, 6, 445-446.	14.8	322
30	Dopamine D2 receptors in the nucleus accumbens are important for social attachment in female prairie voles (Microtus ochrogaster).. Behavioral Neuroscience, 2000, 114, 173-183.	1.2	317
31	Obsessive-compulsive disorder and serotonin: Is there a connection?. Biological Psychiatry, 1985, 20, 1174-1188.	1.3	314
32	Neuroendocrine bases of monogamy. Trends in Neurosciences, 1998, 21, 71-75.	8.6	284
33	Autoradiographic and in situ hybridization localization of corticotropin-releasing factor 1 and 2 receptors in nonhuman primate brain. Journal of Comparative Neurology, 1999, 408, 365-377.	1.6	283
34	Subcortical projections of area 25 (subgenual cortex) of the macaque monkey. Journal of Comparative Neurology, 2000, 421, 172-188.	1.6	279
35	Facilitation of Affiliation and Pair-Bond Formation by Vasopressin Receptor Gene Transfer into the Ventral Forebrain of a Monogamous Vole. Journal of Neuroscience, 2001, 21, 7392-7396.	3.6	267
36	Psychiatry as a Clinical Neuroscience Discipline. JAMA - Journal of the American Medical Association, 2005, 294, 2221.	7.4	265

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37	Endophenotypes: Bridging Genomic Complexity and Disorder Heterogeneity. Biological Psychiatry, 2009, 66, 988-989.	1.3	249
38	Oxytocin, vasopressin, and autism: is there a connection?. Biological Psychiatry, 1999, 45, 145-157.	1.3	233
39	Rat pup ultrasonic isolation calls: Possible mediation by the benzodiazepine receptor complex. Pharmacology Biochemistry and Behavior, 1986, 24, 1263-1267.	2.9	224
40	Mating in the monogamous male: Behavioral consequences. Physiology and Behavior, 1995, 57, 615-627.	2.1	224
41	The Sleep of Patients With Obsessive-Compulsive Disorder. Archives of General Psychiatry, 1982, 39, 1372.	12.3	217
42	Lesions of the hypothalamic paraventricular nucleus disrupt the initiation of maternal behavior. Physiology and Behavior, 1989, 45, 1033-1041.	2.1	213
43	Enhanced social interactions in rats following chronic, centrally infused oxytocin. Pharmacology Biochemistry and Behavior, 1992, 43, 855-861.	2.9	208
44	Species differences in Vâ‚a receptor gene expression in monogamous and nonmonogamous voles: Behavioral consequences.. Behavioral Neuroscience, 1997, 111, 599-605.	1.2	204
45	Oxytocin and Social Bondinga. Annals of the New York Academy of Sciences, 1992, 652, 204-211.	3.8	199
46	Dopamine D2 receptor-mediated regulation of partner preferences in female prairie voles (Microtus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.2	193
47	Digital phenotyping: a global tool for psychiatry. World Psychiatry, 2018, 17, 276-277.	10.4	188
48	A Benzodiazepine Receptorâ€"Mediated Model of Anxiety. Archives of General Psychiatry, 1984, 41, 741.	12.3	182
49	Neuroendocrine basis of social recognition. Current Opinion in Neurobiology, 2004, 14, 248-253.	4.2	178
50	Grand Challenges in Global Mental Health: Integration in Research, Policy, and Practice. PLoS Medicine, 2013, 10, e1001434.	8.4	167
51	Central administration of oxytocin modulates the infant rats response to social isolation. European Journal of Pharmacology, 1991, 203, 149-152.	3.5	163
52	A Selective Oxytocin Antagonist Attenuates Progesterone Facilitation of Female Sexual Behavior. Endocrinology, 1991, 128, 3269-3276.	2.8	163
53	Sexual and social experience is associated with different patterns of behavior and neural activation in male prairie voles. Brain Research, 1997, 767, 321-332.	2.2	161
54	Rethinking Mental Illness. JAMA - Journal of the American Medical Association, 2010, 303, 1970.	7.4	158

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55	Immunoreactivity of central vasopressin and oxytocin pathways in microtine rodents: A quantitative comparative study. Journal of Comparative Neurology, 1996, 366, 726-737.	1.6	154
56	Regional Changes in Brain Oxytocin Receptors Postâ€Partum: Timeâ€Course and Relationship to Maternal Behaviour. Journal of Neuroendocrinology, 1990, 2, 539-545.	2.6	153
57	National Institute of Mental Health Clinical Trials. JAMA Psychiatry, 2014, 71, 745.	11.0	147
58	Ontogeny of oxytocin receptors in rat forebrain: A quantitative study. Synapse, 1989, 4, 259-266.	1.2	146
59	Limbic system fos expression associated with paternal behavior. Brain Research, 1994, 658, 112-118.	2.2	144
60	Changes in Oxytocin Receptor mRNA in Rat Brain During Pregnancy and the Effects of Estrogen and Interleukinâ€6. Journal of Neuroendocrinology, 1997, 9, 859-865.	2.6	143
61	Next-Generation Treatments for Mental Disorders. Science Translational Medicine, 2012, 4, 155ps19.	12.4	136
62	Disruptive insights in psychiatry: transforming a clinical discipline. Journal of Clinical Investigation, 2009, 119, 700-705.	8.2	131
63	Comparative neuroanatomy of the sexually dimorphic hypothalamus in monogamous and polygamous voles. Brain Research, 1991, 541, 232-240.	2.2	129
64	Oxytocin, Vasopressin, and the Neuroendocrine Basis of Pair Bond Formation. Advances in Experimental Medicine and Biology, 1998, 449, 215-224.	1.6	126
65	The dexamethasone suppression test in patients with primary obsessive-compulsive disorder. Psychiatry Research, 1982, 6, 153-160.	3.3	125
66	The NIMH experimental medicine initiative. World Psychiatry, 2015, 14, 151-153.	10.4	125
67	Gonadal Steroids have Paradoxical Effects on Brain Oxytocin Receptors. Journal of Neuroendocrinology, 1993, 5, 619-628.	2.6	123
68	Serotonin and neuropeptides in affiliative behaviors. Biological Psychiatry, 1998, 44, 207-219.	1.3	122
69	Infant's response to social separation reflects adult differences in affiliative behavior: A comparative developmetal study in prairie and montane voles. Developmental Psychobiology, 1990, 23, 375-393.	1.6	120
70	Postpartum Increases in Brain Oxytocin Binding. Neuroendocrinology, 1986, 44, 515-518.	2.5	117
71	Increased Number of BrdU-Labeled Neurons in the Rostral Migratory Stream of the Estrous Prairie Vole. Hormones and Behavior, 2001, 39, 11-21.	2.1	115
72	Species differences in vasopressin receptor binding are evident early in development: Comparative anatomic studies in prairie and montane voles. Journal of Comparative Neurology, 1997, 378, 535-546.	1.6	112

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73	Voles and vasopressin: A review of molecular, cellular, and behavioral studies of pair bonding and paternal behaviors. Progress in Brain Research, 1999, 119, 483-499.	1.4	112
74	Data mining for health: staking out the ethical territory of digital phenotyping. Npj Digital Medicine, 2018, 1, .	10.9	109
75	Regional Induction of c-fos-Like Protein in Rat Brain after Estradiol Administration. Endocrinology, 1990, 126, 1849-1853.	2.8	108
76	Axon-sparing lesions of the medial nucleus of the amygdala decrease affiliative behaviors in the prairie vole (Microtus ochrogaster): Behavioral and anatomical specificity.. Behavioral Neuroscience, 1994, 108, 501-513.	1.2	108
77	Increased Fos Expression in Oxytocin Neurons Following Masculine Sexual Behavior. Journal of Neuroendocrinology, 1994, 6, 13-18.	2.6	101
78	The infant rat separation paradigm: a novel test for novel anxiolytics. Trends in Pharmacological Sciences, 1991, 12, 402-404.	8.7	97
79	Species Differences in Central Oxytocin Receptor Gene Expression: Comparative Analysis of Promoter Sequences. Journal of Neuroendocrinology, 1996, 8, 777-783.	2.6	96
80	Effects of central vasopressin administration to infant rats. European Journal of Pharmacology, 1993, 233, 101-107.	3.5	92
81	From Animal Models to Model Animals. Biological Psychiatry, 2007, 62, 1337-1339.	1.3	92
82	Gene Targeting Approaches to Neuroendocrinology: Oxytocin, Maternal Behavior, and Affiliation. Hormones and Behavior, 1997, 31, 221-231.	2.1	89
83	Time Course of the Estradiol-Dependent Induction of Oxytocin Receptor Binding in the Ventromedial Hypothalamic Nucleus of the Rat*. Endocrinology, 1989, 125, 1414-1419.	2.8	87
84	Endogenous opioids: Do they modulate the rat pup's response to social isolation?. Behavioral Neuroscience, 1991, 105, 253-263.	1.2	86
85	Rat pup isolation calls are reduced by functional antagonists of the NMDA receptor. European Journal of Pharmacology, 1990, 190, 11-21.	3.5	85
86	Growth Hormone Response to Clonidine in Obsessive-Compulsive Patients. British Journal of Psychiatry, 1983, 142, 184-187.	2.8	84
87	Prenatal stress has long-term effects on brain opiate receptors. Brain Research, 1990, 511, 93-97.	2.2	83
88	The arrival of preemptive psychiatry. Microbial Biotechnology, 2007, 1, 5-6.	1.7	83
89	Toward a Neurobiology of Attachment. Review of General Psychology, 2000, 4, 176-185.	3.2	82
90	D-Amphetamine in obsessive-compulsive disorder. Psychopharmacology, 1983, 80, 231-235.	3.1	78

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91	Serotonergic modulation of the rat pup ultrasonic isolation call: studies with 5HT1 and 5HT2 subtype-selective agonists and antagonists. Psychopharmacology, 1991, 105, 513-520.	3.1	75
92	Neurobiology of Obsessive Compulsive Disorder. Psychiatric Clinics of North America, 1992, 15, 813-824.	1.3	75
93	Infant rat separation is a sensitive test for novel anxiolytics. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 1991, 15, 745-757.	4.8	73
94	The Regulation of Oxytocin Receptor Binding in the Ventromedial Hypothalaimic Nucleus by Testosterone and Its Metabolites*. Endocrinology, 1991, 128, 891-896.	2.8	73
95	Faulty Circuits. Scientific American, 2010, 302, 44-51.	1.0	73
96	Twenty-Five Years of Progress: The View from NIMH and NINDS. Neuron, 2013, 80, 561-567.	8.1	73
97	Neuroendocrine and behavioral effects of m-chlorophenylpiperazine administration in rhesus monkeys. Life Sciences, 1984, 34, 1325-1331.	4.3	71
98	Psychiatry in the Genomics Era. American Journal of Psychiatry, 2003, 160, 616-620.	7.2	71
99	Parents of patients with obsessive-compulsive disorder. Psychological Medicine, 1983, 13, 807-811.	4.5	69
100	Central administration of corticotropin releasing factor alters rat pup isolation calls. Pharmacology Biochemistry and Behavior, 1989, 32, 197-201.	2.9	69
101	Molecular Aspects of Monogamy. Annals of the New York Academy of Sciences, 1997, 807, 302-316.	3.8	69
102	The Psychopharmacological Treatment of Obsessive-Compulsive Disorder. Journal of Clinical Psychopharmacology, 1981, 1, 304-311.	1.4	64
103	A plan for mental illness. Nature, 2012, 483, 269-269.	27.8	64
104	The ability of oxytocin to induce short latency maternal behavior is dependent on peripheral anosmia.. Behavioral Neuroscience, 1987, 101, 439-441.	1.2	61
105	Expression and estrogen regulation of brainâ€derived neurotrophic factor gene and protein in the forebrain of female prairie voles. Journal of Comparative Neurology, 2001, 433, 499-514.	1.6	61
106	Oxytocin Receptors and Maternal Behavior. Annals of the New York Academy of Sciences, 1992, 652, 122-141.	3.8	60
107	Vasopressin and oxytocin immunoreactive neurons and fibers in the forebrain of male and female common marmosets (Callithrix jacchus). Synapse, 1997, 27, 14-25.	1.2	60
108	Differential regulation of corticotropin-releasing factor receptors in anterior and intermediate lobes of pituitary and in brain following adrenalectomy in rats. Neuroscience Letters, 1985, 56, 121-128.	2.1	57

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109	Drug treatment of obsessive-compulsive disorder. Journal of Affective Disorders, 1987, 13, 193-202.	4.1	56
110	Vasopressin in the forebrain of common marmosets (Callithrix jacchus): studies with in situ hybridization, immunocytochemistry and receptor autoradiography. Brain Research, 1997, 768, 147-156.	2.2	53
111	CRH and Î±-helical-CRH modulate behavioral measures of arousal in monkeys. Pharmacology Biochemistry and Behavior, 1989, 32, 919-926.	2.9	50
112	Chapter 4 Oxytocin: who needs it?. Progress in Brain Research, 2001, 133, 59-66.	1.4	49
113	Translating Oxytocin Neuroscience to the Clinic: A National Institute of Mental Health Perspective. Biological Psychiatry, 2016, 79, 153-154.	1.3	49
114	Biological markers in obsessive-compulsive and affective disorders. Journal of Psychiatric Research, 1984, 18, 407-423.	3.1	46
115	Digital Technologies in Psychiatry: Present and Future. Focus (American Psychiatric Publishing), 2018, 16, 251-258.	0.8	45
116	The role of neurohypophyseal peptides in the central mediation of complex social processes â€" evidence from comparative studies. Regulatory Peptides, 1993, 45, 127-131.	1.9	42
117	Decreased in vivo binding to brain benzodiazepine receptors during social isolation. Psychopharmacology, 1989, 97, 142-144.	3.1	41
118	Eating disorders: National Institute of Mental Health's perspective.. American Psychologist, 2007, 62, 159-166.	4.2	40
119	Testosterone Modulates Oxytocin Binding in the Hypothalamus of Castrated Male Rats. Neuroendocrinology, 1989, 50, 199-203.	2.5	39
120	Serotonin in Obsessions, Compulsions, and the Control of Aggressive Impulses. Annals of the New York Academy of Sciences, 1990, 600, 574-585.	3.8	38
121	Rebooting for Whom?. Perspectives on Psychological Science, 2011, 6, 478-482.	9.0	38
122	Vasopressin modulates male squirrel monkeys' behavior during social separation. European Journal of Pharmacology, 1991, 200, 95-101.	3.5	37
123	Growth hormone response to clonidine unchanged by chronic clorgyline treatment. Psychiatry Research, 1982, 7, 139-143.	3.3	35
124	Infant separation distress in genetically fearful rats. Biological Psychiatry, 1987, 22, 786-789.	1.3	32
125	Obsessive compulsive disorderâ€"Five clinical questions and a suggested approach. Comprehensive Psychiatry, 1982, 23, 241-251.	3.1	31
126	Parental Behavior in Voles. Advances in the Study of Behavior, 1996, , 361-384.	1.6	31

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127	Rat pup isolation distress and the brain benzodiaze pine receptor. Developmental Psychobiology, 1989, 22, 509-525.	1.6	27
128	Therapeutic responses to tricyclic antidepressants and related drugs in non-affective disorder patient populations. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 1985, 9, 3-13.	4.8	26
129	Rat Pup Ultrasonic Vocalizations: An Ethologically Relevant Behaviour Responsive to Anxiolytics. , 1991, , 15-36.		26
130	Rearing paradigm in a nonhuman primate affects response to Î²-CCE challenge. Psychopharmacology, 1988, 96, 81-86.	3.1	23
131	Translating Discoveries into Medicine: Psychiatric Drug Development in 2011. Neuropsychopharmacology, 2012, 37, 281-283.	5.4	23
132	Mind the Gap: Neuroscience Literacy and the Next Generation of Psychiatrists. Academic Psychiatry, 2014, 38, 121-123.	0.9	23
133	Cognitive Neuroscience and Schizophrenia: Translational Research in Need of a Translator. Biological Psychiatry, 2008, 64, 2-3.	1.3	21
134	Psychophysiological Changes during Pharmacological Treatment of Patients with Obsessive Compulsive Disorder. British Journal of Psychiatry, 1984, 145, 39-44.	2.8	18
135	Developmental psychobiology for public health: A bridge for translational research. Developmental Psychobiology, 2005, 47, 209-216.	1.6	18
136	Tricyclic response in obsessive compulsive disorder. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 1985, 9, 25-31.	4.8	16
137	Shining Light on Depression. Science, 2007, 317, 757-758.	12.6	16
138	Standardization, Integration, and Sharingâ€"Leveraging Research Investments. Biological Psychiatry, 2011, 70, 5-6.	1.3	15
139	Social anxiety: from laboratory studies to clinical practice. Biological Psychiatry, 2002, 51, 1-3.	1.3	14
140	Eye-tracking, attention and amphetamine challenge. Journal of Psychiatric Research, 1987, 21, 129-135.	3.1	13
141	Oxytocin and the neurobiology of attachment. Behavioral and Brain Sciences, 1992, 15, 515-516.	0.7	13
142	Join the disruptors of health science. Nature, 2017, 551, 23-26.	27.8	13
143	Preparing Physician-Scientists for an Evolving Research Ecosystem. JAMA - Journal of the American Medical Association, 2018, 320, 31.	7.4	13
144	Biological alterations in the primary affective disorders and other tricyclic-responsive disorders. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 1985, 9, 15-24.	4.8	10

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145	Serotonin in Obsessive Compulsive Disorder. Psychiatric Annals, 1990, 20, 560-564.	0.1	8
146	A comparison between the growth hormone responses to amphetamine and clonidine. Psychiatry Research, 1985, 16, 79-82.	3.3	7
147	Harnessing the informatics revolution for neuroscience drug R&D. Nature Reviews Drug Discovery, 2014, 13, 561-562.	46.4	7
148	Diagnosis and Treatment of Obsessive-Compulsive Disorder. Psychiatric Annals, 1988, 18, 168-171.	0.1	7
149	Obsessive Compulsive Disorder: Pharmacologic Approaches. , 1985, 51 Suppl, 259-263.		7
150	Autoradiographic and in situ hybridization localization of corticotropinâ€releasing factor 1 and 2 receptors in nonhuman primate brain. Journal of Comparative Neurology, 1999, 408, 365-377.	1.6	5
151	Building the Thermometer for Mental Health. Cerebrum: the Dana Forum on Brain Science, 2018, 2018, .	0.1	5
152	Phenotypic Expression of an Oxytocin Peptide Null Mutation in Mice. Advances in Experimental Medicine and Biology, 1998, 449, 241-243.	1.6	3
153	Oxytocin and the Neuroendocrine Basis of Affiliation. , 1993, , 225-251.		3
154	Species differences in vasopressin receptor binding are evident early in development: Comparative anatomic studies in prairie and montane voles. Journal of Comparative Neurology, 1997, 378, 535-546.	1.6	1
155	Transgenic Models for Oxytocin and Vasopressin. , 2001, , 245-260.		0
156	Corticotropin-Releasing Hormone Receptors and the Developing Nervous System. , 1993, , 147-161.		0