Daphna Joel

List of Publications by Year
in descending order

87 papers	7,773 citations	76294 40 h-index	53190 85 g-index
90 all docs	90 docs citations	90 times ranked	6919 citing authors

#	Article	IF	Citations
1	Memantine treatment does not affect compulsive behavior or frontostriatal connectivity in an adolescent rat model for quinpirole-induced compulsive checking behavior. Psychopharmacology, 2022, 239, 2457-2470.	1.5	2
2	Gender identity and sexuality in an online sample of intersex-identified individuals: a descriptive study. Psychology and Sexuality, 2021, 12, 248-260.	1.3	0
3	The gender-binary cycle: the perpetual relations between a biological-essentialist view of gender, gender ideology, and gender-labelling and sorting. Philosophical Transactions of the Royal Society B: Biological Sciences, 2021, 376, 20200141.	1.8	27
4	Beyond the binary: Rethinking sex and the brain. Neuroscience and Biobehavioral Reviews, 2021, 122, 165-175.	2.9	56
5	Uncovering and Challenging the Binary Framework. Psychological Inquiry, 2021, 32, 105-106.	0.4	0
6	How hype and hyperbole distort the neuroscience of sex differences. PLoS Biology, 2021, 19, e3001253.	2.6	9
7	Macro- and microstructural gray matter alterations in sexually assaulted women. Journal of Affective Disorders, 2020, 262, 196-204.	2.0	3
8	The Complex Relationships between Sex and the Brain. Neuroscientist, 2020, 26, 156-169.	2.6	36
9	A mosaic of sex-related structural changes in the human brain following exposure to real-life stress. Brain Structure and Function, 2020, 225, 461-466.	1.2	8
10	Beyond sex differences and a maleâ€“female continuum: Mosaic brains in a multidimensional space. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2020, 175, 13-24.	1.0	9
11	Structural and functional MRI of altered brain development in a novel adolescent rat model of quinpirole-induced compulsive checking behavior. European Neuropsychopharmacology, 2020, 33, 58-70.	0.3	7
12	Self-Reported Gender Identity and Sexuality in an Online Sample of Cisgender, Transgender, and Gender-Diverse Individuals: An Exploratory Study. Journal of Sex Research, 2019, 56, 249-263.	1.6	18
13	The future of sex and gender in psychology: Five challenges to the gender binary.. American Psychologist, 2019, 74, 171-193.	3.8	523
14	Analysis of Human Brain Structure Reveals that the Brain â€œTypesâ€• Typical of Males Are Also Typical of Females, and Vice Versa. Frontiers in Human Neuroscience, 2018, 12, 399.	1.0	97
15	An Exploration of the Relations Between Self-Reported Gender Identity and Sexual Orientation in an Online Sample of Cisgender Individuals. Archives of Sexual Behavior, 2018, 47, 2407-2426.	1.2	13
16	Assault-related self-blame and its association with PTSD in sexually assaulted women: an MRI inquiry. Social Cognitive and Affective Neuroscience, 2018, 13, 775-784.	1.5	11
17	Incorporating Sex As a Biological Variable in Neuropsychiatric Research: Where Are We Now and Where Should We Be?. Neuropsychopharmacology, 2017, 42, 379-385.	2.8	111
18	Journal of neuroscience research policy on addressing sex as a biological variable: Comments, clarifications, and elaborations. Journal of Neuroscience Research, 2017, 95, 1357-1359.	1.3	10

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19	Sex-Linked Behavior: Evolution, Stability, and Variability. Trends in Cognitive Sciences, 2017, 21, 666-673.	4.0	23
20	VIII. Captured in terminology: Sex, sex categories, and sex differences. Feminism and Psychology, 2016, 26, 335-345.	1.2	15
21	Reply to Del Giudice et al., Chekroud et al., and Rosenblatt: Do brains of females and males belong to two distinct populations?. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E1969-70.	3.3	17
22	Beyond sex differences: new approaches for thinking about variation in brain structure and function. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150451.	1.8	105
23	Reply to Glezerman: Why differences between brains of females and brains of males do not â€œadd upâ€•to create two types of brains. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E1972.	3.3	5
24	Signal Attenuation as a Rat Model of Obsessive Compulsive Disorder. Journal of Visualized Experiments, 2015, , 52287.	0.2	1
25	Sex beyond the genitalia: The human brain mosaic. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 15468-15473.	3.3	493
26	Antibiotic Treatment Attenuates Behavioral and Neurochemical Changes Induced by Exposure of Rats to Group A Streptococcal Antigen. PLoS ONE, 2014, 9, e101257.	1.1	17
27	Consciousness-Raising in a Gender Conflict Group. International Journal of Group Psychotherapy, 2014, 64, 48-69.	0.4	2
28	Response to Nina K. Thomas and J. Scott Rutan: Is the Personal Political? And Who Benefits From Believing It Is Not?. International Journal of Group Psychotherapy, 2014, 64, 83-89.	0.4	1
29	Queering gender: studying gender identity in â€˜normativeâ€™ individuals. Psychology and Sexuality, 2014, 5, 291-321.	1.3	114
30	Reconceptualizing sex, brain and psychopathology: interaction, interaction, interaction. British Journal of Pharmacology, 2014, 171, 4620-4635.	2.7	29
31	On the mis-presentation and misinterpretation of gender-related data: The case of Ingalhalikarâ€™s human connectome study. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E637.	3.3	19
32	Behavioral and neural effects of intra-striatal infusion of anti-streptococcal antibodies in rats. Brain, Behavior, and Immunity, 2014, 38, 249-262.	2.0	84
33	The role of the cholinergic system in the signal attenuation rat model of obsessive-compulsive disorder. Psychopharmacology, 2013, 230, 37-48.	1.5	15
34	Behavioral, Pharmacological, and Immunological Abnormalities after Streptococcal Exposure: A Novel Rat Model of Sydenham Chorea and Related Neuropsychiatric Disorders. Neuropsychopharmacology, 2012, 37, 2076-2087.	2.8	164
35	Genetic-gonadal-genitals sex (3G-sex) and the misconception of brain and gender, or, why 3G-males and 3G-females have intersex brain and intersex gender. Biology of Sex Differences, 2012, 3, 27.	1.8	62
36	Current animal models of obsessive compulsive disorder: an update. Neuroscience, 2012, 211, 83-106.	1.1	72

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37	Animal models of obsessive-compulsive disorder: Exploring pharmacology and neural substrates. Neuroscience and Biobehavioral Reviews, 2012, 36, 47-63.	2.9	131
38	High but not low frequency stimulation of both the globus pallidus and the entopeduncular nucleus reduces â€˜compulsiveâ€™ lever-pressing in rats. Behavioural Brain Research, 2011, 216, 84-93.	1.2	31
39	Activity modulation of the globus pallidus and the nucleus entopeduncularis affects compulsive checking in rats. Behavioural Brain Research, 2011, 219, 149-158.	1.2	29
40	Male or Female? Brains are Intersex. Frontiers in Integrative Neuroscience, 2011, 5, 57.	1.0	124
41	The role of NMDA receptors in the signal attenuation rat model of obsessiveâ€“compulsive disorder. Psychopharmacology, 2010, 210, 13-24.	1.5	35
42	The risk of a wrong conclusion: On testosterone and gender differences in risk aversion and career choices. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, E19; author reply E20.	3.3	5
43	The Role of the Striatum in Compulsive Behavior in Intact and Orbitofrontal-Cortex-Lesioned Rats: Possible Involvement of the Serotonergic System. Neuropsychopharmacology, 2010, 35, 1026-1039.	2.8	52
44	Selective impairment of prediction error signaling in human dorsolateral but not ventral striatum in Parkinson's disease patients: evidence from a model-based fMRI study. NeuroImage, 2010, 49, 772-781.	2.1	78
45	Highâ€frequency stimulation of the nucleus accumbens core and shell reduces quinpiroleâ€induced compulsive checking in rats. European Journal of Neuroscience, 2009, 29, 2401-2412.	1.2	75
46	High frequency stimulation and pharmacological inactivation of the subthalamic nucleus reduces â€˜compulsiveâ€™ lever-pressing in rats. Experimental Neurology, 2009, 215, 101-109.	2.0	72
47	Ovarian hormones modulate â€˜compulsiveâ€™ lever-pressing in female rats. Hormones and Behavior, 2009, 55, 356-365.	1.0	34
48	The role of the subthalamic nucleus in â€˜compulsiveâ€™ behavior in rats. European Journal of Neuroscience, 2008, 27, 1902-1911.	1.2	43
49	The orbital cortex in rats topographically projects to central parts of the caudateâ€“putamen complex. Neuroscience Letters, 2008, 432, 40-45.	1.0	157
50	Animal Models of Obsessiveâ€“Compulsive Disorder: From Bench to Bedside via Endophenotypes and Biomarkers. , 2008, , 133-164.		8
51	High frequency stimulation and temporary inactivation of the subthalamic nucleus reduce quinpirole-induced compulsive checking behavior in rats. Experimental Neurology, 2008, 210, 217-228.	2.0	80
52	The role of 5-HT2A and 5-HT2C receptors in the signal attenuation rat model of obsessiveâ€“compulsive disorder. International Journal of Neuropsychopharmacology, 2008, 11, 811-25.	1.0	55
53	Reinforcement Learning Signals in the Human Striatum Distinguish Learners from Nonlearners during Reward-Based Decision Making. Journal of Neuroscience, 2007, 27, 12860-12867.	1.7	344
54	Strain differences in â€˜compulsiveâ€™ lever-pressing. Behavioural Brain Research, 2007, 179, 141-151.	1.2	19

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55	Tonic dopamine: opportunity costs and the control of response vigor. Psychopharmacology, 2007, 191, 507-520.	1.5	969
56	Current animal models of obsessive compulsive disorder: A critical review. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2006, 30, 374-388.	2.5	144
57	A normative perspective on motivation. Trends in Cognitive Sciences, 2006, 10, 375-381.	4.0	268
58	The effects of temporary inactivation of the orbital cortex in the signal attenuation rat model of obsessive compulsive disorder.. Behavioral Neuroscience, 2006, 120, 976-983.	0.6	25
59	The signal attenuation rat model of obsessiveâ€“compulsive disorder: a review. Psychopharmacology, 2006, 186, 487-503.	1.5	68
60	â€˜Compulsiveâ€™ lever pressing in rats is enhanced following lesions to the orbital cortex, but not to the basolateral nucleus of the amygdala or to the dorsal medial prefrontal cortex. European Journal of Neuroscience, 2005, 21, 2252-2262.	1.2	57
61	Impaired procedural learning in obsessive?compulsive disorder and Parkinson's disease, but not in major depressive disorder. Behavioural Brain Research, 2005, 157, 253-263.	1.2	56
62	Long-term functional consequences of quinolinic acid striatal lesions and their alteration following an addition of a globus pallidus lesion assessed using pharmacological magnetic resonance imaging. Experimental Neurology, 2005, 196, 244-253.	2.0	3
63	Role of the orbital cortex and of the serotonergic system in a rat model of obsessive compulsive disorder. Neuroscience, 2005, 130, 25-36.	1.1	55
64	Amelioration of behavioral deficits in a rat model of Huntington's disease by an excitotoxic lesion to the globus pallidus. Experimental Neurology, 2004, 186, 46-58.	2.0	31
65	'Compulsive' lever-pressing in rats is attenuated by the serotonin re-uptake inhibitors paroxetine and fluvoxamine but not by the tricyclic antidepressant desipramine or the anxiolytic diazepam. Behavioural Pharmacology, 2004, 15, 241-52.	0.8	46
66	Deficits induced by quinolinic acid lesion to the striatum in a position discrimination and reversal task are ameliorated by permanent and temporary lesion to the globus pallidus: A potential novel treatment in a rat model of Huntington's disease. Movement Disorders, 2003, 18, 1499-1507.	2.2	9
67	Selective Alleviation of Compulsive Lever-Pressing in Rats by D1, but not D2, Blockade: Possible Implications for the Involvement of D1 Receptors in Obsessiveâ€“Compulsive Disorder. Neuropsychopharmacology, 2003, 28, 77-85.	2.8	75
68	A comparison of drug effects in latent inhibition and the forced swim test differentiates between the typical antipsychotic haloperidol, the atypical antipsychotics clozapine and olanzapine, and the antidepressants imipramine and paroxetine. Behavioural Pharmacology, 2003, 14, 215-222.	0.8	41
69	Evolution of reinforcement learning in foraging bees: a simple explanation for risk averse behavior. Neurocomputing, 2002, 44-46, 951-956.	3.5	16
70	Deep brain stimulation in Huntington's disease: Globus pallidus externus or substantia nigra pars compacta. Movement Disorders, 2002, 17, 431-432.	2.2	4
71	Actorâ€“critic models of the basal ganglia: new anatomical and computational perspectives. Neural Networks, 2002, 15, 535-547.	3.3	395
72	Excessive lever pressing following post-training signal attenuation in rats: A possible animal model of obsessive compulsive disorder?. Behavioural Brain Research, 2001, 123, 77-87.	1.2	80

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73	Enhancement of excessive lever-pressing after post-training signal attenuation in rats by repeated administration of the Dâ‚•antagonist SCH 23390 or the Dâ„ agonist quinpirole, but not the Dâ‚•agonist SKF 38393 or the Dâ„ antagonist haloperidol.. Behavioral Neuroscience, 2001, 115, 1291-1300.	0.6	34
74	Acute Mania and Hemichorea. Clinical Neuropharmacology, 2001, 24, 300-303.	0.2	18
75	Open interconnected model of basal ganglia-thalamocortical circuitry and its relevance to the clinical syndrome of Huntington's disease. Movement Disorders, 2001, 16, 407-423.	2.2	142
76	Evolution of Reinforcement Learning in Uncertain Environments: Emergence of Risk-Aversion and Matching. Lecture Notes in Computer Science, 2001, , 252-261.	1.0	5
77	Enhancement of excessive lever-pressing after post-training signal attenuation in rats by repeated administration of the D-sub-1 antagonist SCH 23390 or the D-sub-2 agonist quinpirole, but not the D-sub-1 agonist SKF 38393 or the D-sub-2 antagonist haloperidol.. Behavioral Neuroscience, 2001, 115, 1291-1300.	0.6	20
78	Screening of antipsychotic drugs in animal models. Drug Development Research, 2000, 50, 235-249.	1.4	22
79	The connections of the dopaminergic system with the striatum in rats and primates: an analysis with respect to the functional and compartmental organization of the striatum. Neuroscience, 2000, 96, 451-474.	1.1	517
80	The limbic basal-ganglia-thalamocortical circuit and goal-directed behavior. Behavioral and Brain Sciences, 1999, 22, 525-526.	0.4	4
81	Electrolytic lesion of globus pallidus ameliorates the behavioral and neurodegenerative effects of quinolinic acid lesion of the striatum: a potential novel treatment in a rat model of Huntington's disease. Brain Research, 1998, 787, 143-148.	1.1	33
82	Fimbria-fornix cut affects spontaneous activity, two-way avoidance and delayed non matching to sample, but not latent inhibition. Behavioural Brain Research, 1998, 96, 59-70.	1.2	36
83	The connections of the primate subthalamic nucleus: indirect pathways and the open-interconnected scheme of basal ganglia-thalamocortical circuitry. Brain Research Reviews, 1997, 23, 62-78.	9.1	237
84	Electrolytic lesions of the medial prefrontal cortex in rats disrupt performance on an analog of the Wisconsin Card Sorting Test, but do not disrupt latent inhibition: implications for animal models of schizophrenia. Behavioural Brain Research, 1997, 85, 187-201.	1.2	135
85	Effects of electrolytic lesions of the medial prefrontal cortex or its subfields on 4-arm baited, 8-arm radial maze, two-way active avoidance and conditioned fear tasks in the rat. Brain Research, 1997, 765, 37-50.	1.1	70
86	The role of mesolimbic dopaminergic and retrohippocampal afferents to the nucleus accumbens in latent inhibition: implications for schizophrenia. Behavioural Brain Research, 1995, 71, 19-IN3.	1.2	164
87	The organization of the basal ganglia-thalamocortical circuits: Open interconnected rather than closed segregated. Neuroscience, 1994, 63, 363-379.	1.1	440