Hiroshi Nomura

List of Publications by Year
in descending order

39 papers	1,022 citations	471509 17 h-index	477307 29 g-index
46 all docs	46 docs citations	46 times ranked	1512 citing authors

#	Article	IF	Citations
1	Visualization of cortical, subcortical and deep brain neural circuit dynamics during naturalistic mammalian behavior with head-mounted microscopes and chronically implanted lenses. Nature Protocols, 2016, 11, 566-597.	12.0	271
2	Long-Delayed Expression of the Immediate Early Gene Arc/Arg3.1 Refines Neuronal Circuits to Perpetuate Fear Memory. Journal of Neuroscience, 2015, 35, 819-830.	3.6	81
3	Synaptic Plasticity Associated with a Memory Engram in the Basolateral Amygdala. Journal of Neuroscience, 2014, 34, 9305-9309.	3.6	61
4	Simultaneous determination of dopamine and 3,4-dihydroxyphenylacetic acid in mouse striatum using mixed-mode reversed-phase and cation-exchange high-performance liquid chromatography. Journal of Pharmaceutical and Biomedical Analysis, 2010, 51, 712-715.	2.8	47
5	Prepronociceptin-Expressing Neurons in the Extended Amygdala Encode and Promote Rapid Arousal Responses to Motivationally Salient Stimuli. Cell Reports, 2020, 33, 108362.	6.4	45
6	Ethanol Enhances Reactivated Fear Memories. Neuropsychopharmacology, 2008, 33, 2912-2921.	5.4	40
7	Prefrontal dopamine regulates fear reinstatement through the downregulation of extinction circuits. ELife, 2015, 4, .	6.0	38
8	Frontal Association Cortex Is Engaged in Stimulus Integration during Associative Learning. Current Biology, 2015, 25, 117-123.	3.9	36
9	Vagus nerve stimulation enhances perforant path-CA3 synaptic transmission via the activation of Î²-adrenergic receptors and the locus coeruleus. International Journal of Neuropsychopharmacology, 2012, 15, 523-530.	2.1	35
10	Late Arc/Arg3.1 expression in the basolateral amygdala is essential for persistence of newly-acquired and reactivated contextual fear memories. Scientific Reports, 2016, 6, 21007.	3.3	35
11	p38 MAPKs regulate the expression of genes in the dopamine synthesis pathway through phosphorylation of NR4A nuclear receptors. Journal of Cell Science, 2011, 124, 3006-3016.	2.0	33
12	Hyperactivity in novel environment with increased dopamine and impaired novelty preference in apoptosis signal-regulating kinase 1 (ASK1)-deficient mice. Neuroscience Research, 2010, 66, 313-320.	1.9	23
13	Memory coding in plastic neuronal subpopulations within the amygdala. NeuroImage, 2012, 60, 153-161.	4.2	21
14	Post-retrieval late process contributes to persistence of reactivated fear memory. Learning and Memory, 2013, 20, 307-310.	1.3	20
15	Tonic Suppression of the Mesolimbic Dopaminergic System by Enhanced Corticotropin-Releasing Factor Signaling Within the Bed Nucleus of the Stria Terminalis in Chronic Pain Model Rats. Journal of Neuroscience, 2019, 39, 8376-8385.	3.6	19
16	Fear extinction requires Arc/Arg3.1 expression in the basolateral amygdala. Molecular Brain, 2014, 7, 30.	2.6	18
17	Central Histamine Boosts Perirhinal Cortex Activity and Restores Forgotten Object Memories. Biological Psychiatry, 2019, 86, 230-239.	1.3	18
18	Preferential Arc transcription at rest in the active ensemble during associative learning. Neurobiology of Learning and Memory, 2011, 95, 498-504.	1.9	17

#	Article	IF	Citations
19	Unexpected Photoâ€instability of 2,6â€Sulfonamideâ€Substituted BODIPYs and Its Application to Caged GABA. ChemBioChem, 2016, 17, 1233-1240.	2.6	16
20	Chronic painâ€“induced neuronal plasticity in the bed nucleus of the stria terminalis causes maladaptive anxiety. Science Advances, 2022, 8, eabj5586.	10.3	15
21	Experience-dependent Homer1a expression in excitatory and inhibitory neurons. NeuroReport, 2011, 22, 353-357.	1.2	13
22	Persistent neural activity regulates Arc/Arg3.1 transcription in the dentate gyrus. Journal of Neuroscience Research, 2010, 88, 3060-3066.	2.9	12
23	Memory formation and retrieval of neuronal silencing in the auditory cortex. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 9740-9744.	7.1	12
24	Prior observation of fear learning enhances subsequent self-experienced fear learning with an overlapping neuronal ensemble in the dorsal hippocampus. Molecular Brain, 2019, 12, 21.	2.6	12
25	Nontoxic, nonvolatile, and highly efficient osmium catalysts for asymmetric dihydroxylation of alkenes and application to one mol-scale synthesis of an anticancer drug, camptothecin intermediate. RSC Advances, 2012, 2, 7456.	3.6	11
26	Normal learning ability of mice with a surgically exposed hippocampus. NeuroReport, 2012, 23, 457-461.	1.2	10
27	Differential calcium dependence in basal and forskolin-potentiated spontaneous transmitter release in basolateral amygdala neurons. Neuroscience Letters, 2012, 529, 1-6.	2.1	10
28	Impairment of fear memory consolidation and expression by antihistamines. Brain Research, 2013, 1493, 19-26.	2.2	9
29	Offâ€line Arc transcription in active ensembles during fear memory retrieval. European Journal of Neuroscience, 2012, 36, 3451-3457.	2.6	7
30	Histamine: A Key Neuromodulator of Memory Consolidation and Retrieval. Current Topics in Behavioral Neurosciences, 2021, , 329-353.	1.7	7
31	N-methyl-D-aspartate receptors and protein synthesis are necessary for reinstatement of conditioned fear. NeuroReport, 2013, 24, 763-767.	1.2	6
32	Exposure to hot and cold environments increases noradrenaline release in the bed nucleus of the stria terminalis in rats. Neuropsychopharmacology Reports, 2018, 38, 214-218.	2.3	5
33	Disappearance of the inhibitory effect of neuropeptide Y within the dorsolateral bed nucleus of the stria terminalis in rats with chronic pain. Neuroscience Letters, 2020, 728, 134958.	2.1	5
34	Population activity in the dorsal hippocampal CA1 encoding the surrounding environment is absent during contextual fear memory expression. Neuroscience, 2012, 220, 19-25.	2.3	4
35	Behavioural effects of antidepressants are dependent and independent on the integrity of the dentate gyrus. International Journal of Neuropsychopharmacology, 2011, 14, 967-976.	2.1	3
36	The impact of pitolisant, an H3 receptor antagonist/inverse agonist, on perirhinal cortex activity in individual neuron and neuronal population levels. Scientific Reports, 2022, 12, 7015.	3.3	1

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37	Practices and challenges of online laboratory work in pharmacology. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2021, 94, 2-S13-3.	0.0	0
38	Histological analyses of CRF mRNA expression in the dorsolateral bed nucleus of the stria terminalis of chronic pain model rats. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2021, 94, 3-P1-14.	0.0	0
39	Brain histamine promotes memoryretrieval. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2019, 92, JKL-10.	0.0	0