Susan L Ingram

List of Publications by Year
in descending order

49 papers	2,548 citations	257450 24 h-index	276875 41 g-index
51 all docs	51 docs citations	51 times ranked	2900 citing authors

#	Article	IF	Citations
1	Regulation of<i>Âµ</i>-Opioid Receptors: Desensitization, Phosphorylation, Internalization, and Tolerance. Pharmacological Reviews, 2013, 65, 223-254.	16.0	673
2	Dopamine transporterâ€“mediated conductances increase excitability of midbrain dopamine neurons. Nature Neuroscience, 2002, 5, 971-978.	14.8	199
3	Actions of the ORL₁Receptor Ligand Nociceptin on Membrane Properties of Rat Periaqueductal Gray Neurons<i>In Vitro</i>. Journal of Neuroscience, 1997, 17, 996-1003.	3.6	168
4	Opioid inhibition of Ih via adenylyl cyclase. Neuron, 1994, 13, 179-186.	8.1	155
5	Enhanced Opioid Efficacy in Opioid Dependence Is Caused by an Altered Signal Transduction Pathway. Journal of Neuroscience, 1998, 18, 10269-10276.	3.6	150
6	Amphetamine Modulates Excitatory Neurotransmission through Endocytosis of the Glutamate Transporter EAAT3 in Dopamine Neurons. Neuron, 2014, 83, 404-416.	8.1	93
7	Contribution of dopamine receptors to periaqueductal gray-mediated antinociception. Psychopharmacology, 2009, 204, 531-540.	3.1	79
8	Cellular Actions Of Opioids And Other Analgesics: Implications For Synergism In Pain Relief. Clinical and Experimental Pharmacology and Physiology, 2000, 27, 520-523.	1.9	76
9	Endogenous opioid peptides in the descending pain modulatory circuit. Neuropharmacology, 2020, 173, 108131.	4.1	73
10	Antinociceptive tolerance revealed by cumulative intracranial microinjections of morphine into the periaqueductal gray in the rat. Pharmacology Biochemistry and Behavior, 2006, 85, 214-219.	2.9	62
11	Amphetamines signal through intracellular TAAR1 receptors coupled to GÎ±13 and GÎ±S in discrete subcellular domains. Molecular Psychiatry, 2021, 26, 1208-1223.	7.9	60
12	Tolerance to the Antinociceptive Effect of Morphine in the Absence of Short-Term Presynaptic Desensitization in Rat Periaqueductal Gray Neurons. Journal of Pharmacology and Experimental Therapeutics, 2010, 335, 674-680.	2.5	49
13	Sex Differences in GABA_ASignaling in the Periaqueductal Gray Induced by Persistent Inflammation. Journal of Neuroscience, 2016, 36, 1669-1681.	3.6	48
14	Optogenetic Evidence for a Direct Circuit Linking Nociceptive Transmission through the Parabrachial Complex with Pain-Modulating Neurons of the Rostral Ventromedial Medulla (RVM). ENeuro, 2017, 4, ENEURO.0202-17.2017.	1.9	48
15	Extracellular Signal-Regulated Kinase 1/2 Activation Counteracts Morphine Tolerance in the Periaqueductal Gray of the Rat. Journal of Pharmacology and Experimental Therapeutics, 2009, 331, 412-418.	2.5	43
16	Tolerance to Repeated Morphine Administration Is Associated with Increased Potency of Opioid Agonists. Neuropsychopharmacology, 2008, 33, 2494-2504.	5.4	40
17	Contribution of Adenylyl Cyclase Modulation of Pre- and Postsynaptic GABA Neurotransmission to Morphine Antinociception and Tolerance. Neuropsychopharmacology, 2014, 39, 2142-2152.	5.4	39
18	Compensatory Activation of Cannabinoid CB2 Receptor Inhibition of GABA Release in the Rostral Ventromedial Medulla in Inflammatory Pain. Journal of Neuroscience, 2017, 37, 626-636.	3.6	37

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19	Positive allosteric modulation of the mu-opioid receptor produces analgesia with reduced side effects. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	36
20	Behavioral and Electrophysiological Evidence for Opioid Tolerance in Adolescent Rats. Neuropsychopharmacology, 2007, 32, 600-606.	5.4	35
21	Amphetamine and Methamphetamine Increase NMDAR-GluN2B Synaptic Currents in Midbrain Dopamine Neurons. Neuropsychopharmacology, 2017, 42, 1539-1547.	5.4	33
22	Columnar distribution of catecholaminergic neurons in the ventrolateral periaqueductal gray and their relationship to efferent pathways. Synapse, 2013, 67, 94-108.	1.2	32
23	Differential Control of Opioid Antinociception to Thermal Stimuli in a Knock-In Mouse Expressing Regulator of G-Protein Signaling-Insensitive GÎ±_oProtein. Journal of Neuroscience, 2013, 33, 4369-4377.	3.6	29
24	Glutamate modulation of antinociception, but not tolerance, produced by morphine microinjection into the periaqueductal gray of the rat. Brain Research, 2009, 1295, 59-66.	2.2	26
25	Differential Development of Antinociceptive Tolerance to Morphine and Fentanyl Is Not Linked to Efficacy in the Ventrolateral Periaqueductal Gray of the Rat. Journal of Pain, 2012, 13, 799-807.	1.4	26
26	Regulation of Glutamate, GABA and Dopamine Transporter Uptake, Surface Mobility and Expression. Frontiers in Cellular Neuroscience, 2021, 15, 670346.	3.7	25
27	Regulators of G-Protein Signaling (RGS) Proteins Promote Receptor Coupling to G-Protein-Coupled Inwardly Rectifying Potassium (GIRK) Channels. Journal of Neuroscience, 2018, 38, 8737-8744.	3.6	24
28	Cannabinoids in the descending pain modulatory circuit: Role in inflammation. , 2020, 209, 107495.		23
29	A Sensitive Membrane-Targeted Biosensor for Monitoring Changes in Intracellular Chloride in Neuronal Processes. PLoS ONE, 2012, 7, e35373.	2.5	21
30	GABAergic transmission and enhanced modulation by opioids and endocannabinoids in adult rat rostral ventromedial medulla. Journal of Physiology, 2015, 593, 217-230.	2.9	18
31	Role of protein kinase C in functional selectivity for desensitization at the Âµâ€•opioid receptor: from pharmacological curiosity to therapeutic potential. British Journal of Pharmacology, 2009, 158, 154-156.	5.4	16
32	Ligand-biased activation of extracellular signal-regulated kinase 1/2 leads to differences in opioid induced antinociception and tolerance. Behavioural Brain Research, 2016, 298, 17-24.	2.2	16
33	Neuronal excitatory amino acid transporter EAAT3: Emerging functions in health and disease. Neurochemistry International, 2019, 123, 69-76.	3.8	16
34	The ASPET Mentoring Network: Enhancing Diversity and Inclusion through Career Coaching Groups within a Scientific Society. CBE Life Sciences Education, 2020, 19, ar29.	2.3	16
35	Pain: Novel Analgesics from Traditional Chinese Medicines. Current Biology, 2014, 24, R114-R116.	3.9	13
36	Lack of Antinociceptive Cross-Tolerance With Co-Administration of Morphine and Fentanyl Into the Periaqueductal Gray of Male Sprague-Dawley Rats. Journal of Pain, 2019, 20, 1040-1047.	1.4	12

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37	Cellular and molecular mechanisms of opioid action. Progress in Brain Research, 2000, 129, 483-492.	1.4	7
38	Compensatory Activation of Cannabinoid CB2 Receptor Inhibition of GABA Release in the Rostral Ventromedial Medulla in Inflammatory Pain. Journal of Neuroscience, 2017, 37, 626-636.	3.6	7
39	Mice Expressing Regulators of G protein Signalingâ€"insensitive GÎ±o Define Roles of Î¼ Opioid Receptor GÎ±o and GÎ±i Subunit Coupling in Inhibition of Presynaptic GABA Release. Molecular Pharmacology, 2021, 100, 217-223.	2.3	6
40	Toward understanding the opioid paradox: cellular mechanisms of opioid-induced hyperalgesia. Neuropsychopharmacology, 2022, 47, 427-428.	5.4	5
41	The Brainstem and Nociceptive Modulation. , 2020, , 249-271.		4
42	Untangling Peripheral Sympathetic Neurocircuits. Frontiers in Cardiovascular Medicine, 2022, 9, 842656.	2.4	4
43	Association of Mu-opioid and NMDA Receptors in the Periaqueductal Gray: What Does it Mean for Pain Control?. Neuropsychopharmacology, 2012, 37, 315-316.	5.4	3
44	Attenuation of dynaminâ€dependent internalization decreases antinociception during the expression of morphine tolerance. FASEB Journal, 2010, 24, 585.4.	0.5	0
45	Subunit dependent modulation of ASIC currents by intracellular pH. FASEB Journal, 2012, 26, 1048.11.	0.5	0
46	Role of increased GABAergic synaptic transmission in morphine tolerance. FASEB Journal, 2012, 26, 843.5.	0.5	0
47	Amphetamine potentiates NMDA receptor currents in midbrain dopamine neurons. FASEB Journal, 2013, 27, 885.1.	0.5	0
48	Persistent Inflammation Induces Desensitization of the Presynaptic Cannabinoid 1 Receptor in the Ventrolateral Periaqueductal Gray. FASEB Journal, 2022, 36, .	0.5	0
49	Evidence for Cholinergic Collateral Projections between Sympathetic Neurons in the Murine Stellate Ganglia. FASEB Journal, 2022, 36, .	0.5	0