Karen K Szumlinski

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

128 papers	4,357 citations	39 h-index	61 g-index
140 ext. papers	4,795 ext. citations	5.2 avg, IF	5.32 L-index

#	Paper	IF	Citations
128	Homer proteins regulate sensitivity to cocaine. *Neuron*, **2004**, 43, 401-13	13.9	203
127	Behavioral and neurochemical phenotyping of Homer1 mutant mice: possible relevance to schizophrenia. *Genes, Brain and Behavior*, **2005**, 4, 273-88	3.6	153
126	Homer proteins: implications for neuropsychiatric disorders. *Current Opinion in Neurobiology*, **2006**, 16, 251-7	7.6	147
125	Homer2 is necessary for EtOH-induced neuroplasticity. *Journal of Neuroscience*, **2005**, 25, 7054-61	6.6	142
124	Binge drinking upregulates accumbens mGluR5-Homer2-PI3K signaling: functional implications for alcoholism. *Journal of Neuroscience*, **2009**, 29, 8655-68	6.6	131
123	Homers regulate drug-induced neuroplasticity: implications for addiction. *Biochemical Pharmacology*, **2008**, 75, 112-33	6	110
122	Synaptic depression via mGluR1 positive allosteric modulation suppresses cue-induced cocaine craving. *Nature Neuroscience*, **2014**, 17, 73-80	25.5	106
121	Behavioral and neurochemical interactions between Group 1 mGluR antagonists and ethanol: potential insight into their anti-addictive properties. *Drug and Alcohol Dependence*, **2006**, 85, 142-56	4.9	105
120	Strain differences in alcohol-induced neurochemical plasticity: a role for accumbens glutamate in alcohol intake. *Alcoholism: Clinical and Experimental Research*, **2008**, 32, 617-31	3.7	100
119	Distinct roles for different Homer1 isoforms in behaviors and associated prefrontal cortex function. *Journal of Neuroscience*, **2005**, 25, 11586-94	6.6	96
118	Accumbens Homer2 overexpression facilitates alcohol-induced neuroplasticity in C57BL/6J mice. *Neuropsychopharmacology*, **2008**, 33, 1365-78	8.7	94
117	Accumbens neurochemical adaptations produced by binge-like alcohol consumption. *Psychopharmacology*, **2007**, 190, 415-31	4.7	94
116	Glutamate transmission and addiction to cocaine. *Annals of the New York Academy of Sciences*, **2003**, 1003, 169-75	6.5	93
115	Differential effects of chronic ethanol consumption and withdrawal on homer/glutamate receptor expression in subregions of the accumbens and amygdala of P rats. *Alcoholism: Clinical and Experimental Research*, **2009**, 33, 1924-34	3.7	92
114	Nucleus accumbens mGluR5-associated signaling regulates binge alcohol drinking under drinking-in-the-dark procedures. *Alcoholism: Clinical and Experimental Research*, **2012**, 36, 1623-33	3.7	90
113	Prenatal stress enhances responsiveness to cocaine. *Neuropsychopharmacology*, **2008**, 33, 769-82	8.7	88
112	Extended daily access to cocaine results in distinct alterations in Homer 1b/c and NMDA receptor subunit expression within the medial prefrontal cortex. *Synapse*, **2009**, 63, 598-609	2.4	85

111	Homer isoforms differentially regulate cocaine-induced neuroplasticity. *Neuropsychopharmacology*, **2006**, 31, 768-77	8.7	76
110	Chronic ethanol consumption by C57BL/6 mice promotes tolerance to its interoceptive cues and increases extracellular dopamine, an effect blocked by naltrexone. *Alcoholism: Clinical and Experimental Research*, **2003**, 27, 1892-900	3.7	70
109	Maximizing peptide identification events in proteomic workflows using data-dependent acquisition (DDA). *Molecular and Cellular Proteomics*, **2014**, 13, 329-38	7.6	68
108	Contribution of early environmental stress to alcoholism vulnerability. *Alcohol*, **2009**, 43, 547-54	2.7	67
107	Binge alcohol drinking elicits persistent negative affect in mice. *Behavioural Brain Research*, **2015**, 291, 385-398	3.4	63
106	Binge alcohol drinking by mice requires intact group 1 metabotropic glutamate receptor signaling within the central nucleus of the amygdala. *Neuropsychopharmacology*, **2014**, 39, 435-44	8.7	62
105	18-Methoxycoronaridine (18-MC) and ibogaine: comparison of antiaddictive efficacy, toxicity, and mechanisms of action. *Annals of the New York Academy of Sciences*, **2000**, 914, 369-86	6.5	61
104	Locomotor sensitization to quinpirole: environment-modulated increase in efficacy and context-dependent increase in potency. *Psychopharmacology*, **1997**, 134, 193-200	4.7	59
103	New insights on neurobiological mechanisms underlying alcohol addiction. *Neuropharmacology*, **2013**, 67, 223-32	5.5	58
102	Regional differences in the effects of withdrawal from repeated cocaine upon Homer and glutamate receptor expression: a two-species comparison. *Brain Research*, **2007**, 1184, 295-305	3.7	55
101	Repeated cocaine administration alters the electrophysiological properties of prefrontal cortical neurons. *Neuroscience*, **2002**, 113, 749-53	3.9	53
100	Deficits in ventromedial prefrontal cortex group 1 metabotropic glutamate receptor function mediate resistance to extinction during protracted withdrawal from an extensive history of cocaine self-administration. *Journal of Neuroscience*, **2013**, 33, 495-506a	6.6	52
99	A prolyl-isomerase mediates dopamine-dependent plasticity and cocaine motor sensitization. *Cell*, **2013**, 154, 637-50	56.2	51
98	mGluR1 within the nucleus accumbens regulates alcohol intake in´mice under limited-access conditions. *Neuropharmacology*, **2014**, 79, 679-87	5.5	50
97	Distinct neurochemical adaptations within the nucleus accumbens produced by a history of self-administered vs non-contingently administered intravenous methamphetamine. *Neuropsychopharmacology*, **2012**, 37, 707-22	8.7	49
96	Rapamycin attenuates the expression of cocaine-induced place preference and behavioral sensitization. *Addiction Biology*, **2012**, 17, 248-58	4.6	46
95	Methamphetamine Addiction Vulnerability: The Glutamate, the Bad, and the Ugly. *Biological Psychiatry*, **2017**, 81, 959-970	7.9	45
94	Ethanol-Associated Changes in Glutamate Reward Neurocircuitry: A Minireview of Clinical and Preclinical Genetic Findings. *Progress in Molecular Biology and Translational Science*, **2016**, 137, 41-85	4	45

93	Blockade of nucleus accumbens 5-HT2A and 5-HT2C receptors prevents the expression of cocaine-induced behavioral and neurochemical sensitization in rats. *Psychopharmacology*, **2011**, 213, 321-35	4.7	44
92	Unconditioned and conditioned factors contribute to the 'reinstatement' of cocaine place conditioning following extinction in C57BL/6 mice. *Behavioural Brain Research*, **2002**, 136, 151-60	3.4	42
91	Accumbens Homer2-mediated signaling: a factor contributing to mouse strain differences in alcohol drinking?. *Genes, Brain and Behavior*, **2011**, 10, 111-26	3.6	41
90	Selective Disruption of Metabotropic Glutamate Receptor 5-Homer Interactions Mimics Phenotypes of Fragile X Syndrome in Mice. *Journal of Neuroscience*, **2016**, 36, 2131-47	6.6	40
89	Imbalances in prefrontal cortex CC-Homer1 versus CC-Homer2 expression promote cocaine preference. *Journal of Neuroscience*, **2013**, 33, 8101-13	6.6	38
88	Dissociable roles for the dorsal and median raphe in the facilitatory effect of 5-HT1A receptor stimulation upon cocaine-induced locomotion and sensitization. *Neuropsychopharmacology*, **2004**, 29, 1675-87	8.7	34
87	Incubation of cocaine-craving relates to glutamate over-flow within ventromedial prefrontal cortex. *Neuropharmacology*, **2016**, 102, 103-10	5.5	33
86	Extended access to cocaine self-administration results in reduced glutamate function within the medial prefrontal cortex. *Addiction Biology*, **2012**, 17, 746-57	4.6	33
85	Mechanisms of action of ibogaine: relevance to putative therapeutic effects and development of a safer iboga alkaloid congener. *The Alkaloids Chemistry and Biology*, **2001**, 56, 39-53	4.8	33
84	Adolescent Mice Are Resilient to Alcohol Withdrawal-Induced Anxiety and Changes in Indices of Glutamate Function within the Nucleus Accumbens. *Frontiers in Cellular Neuroscience*, **2016**, 10, 265	6.1	32
83	Negative Affect and Excessive Alcohol Intake Incubate during Protracted Withdrawal from Binge-Drinking in Adolescent, But Not Adult, Mice. *Frontiers in Psychology*, **2017**, 8, 1128	3.4	31
82	Structural and Functional Modifications in Glutamateric Synapses Following Prolonged Ethanol Exposure. *Alcoholism: Clinical and Experimental Research*, **2006**, 30, 368-376	3.7	31
81	p10, the N-terminal domain of p35, protects against CDK5/p25-induced neurotoxicity. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 20041-6	11.5	30
80	Prenatal stress alters limbo-corticostriatal Homer protein expression. *Synapse*, **2007**, 61, 938-41	2.4	30
79	Prefrontal glutamate correlates of methamphetamine sensitization and preference. *European Journal of Neuroscience*, **2016**, 43, 689-702	3.5	29
78	Mesocorticolimbic monoamine correlates of methamphetamine sensitization and motivation. *Frontiers in Systems Neuroscience*, **2014**, 8, 70	3.5	29
77	Protein Kinase C Epsilon Activity in the Nucleus Accumbens and Central Nucleus of the Amygdala Mediates Binge Alcohol Consumption. *Biological Psychiatry*, **2016**, 79, 443-51	7.9	28
76	Targeting Homer genes using adeno-associated viral vector: lessons learned from behavioural and neurochemical studies. *Behavioural Pharmacology*, **2008**, 19, 485-500	2.4	28

75	Nerve injury-induced changes in Homer/glutamate receptor signaling contribute to the development and maintenance of neuropathic pain. *Pain*, **2013**, 154, 1932-1945	8	26
74	mGlu5-dependent modulation of anxiety during early withdrawal from binge-drinking in adult and adolescent male mice. *Drug and Alcohol Dependence*, **2018**, 184, 1-11	4.9	25
73	Iboga compounds reverse the behavioural disinhibiting and corticosterone effects of acute methamphetamine: Implications for their antiaddictive properties. *Pharmacology Biochemistry and Behavior*, **2001**, 69, 485-91	3.9	24
72	Interactions between iboga agents and methamphetamine sensitization: studies of locomotion and stereotypy in rats. *Psychopharmacology*, **2000**, 151, 234-41	4.7	24
71	Homer2 regulates alcohol and stress cross-sensitization. *Addiction Biology*, **2016**, 21, 613-33	4.6	23
70	Evidence for a relationship between Group 1 mGluR hypofunction and increased cocaine and ethanol sensitivity in Homer2 null mutant mice. *Annals of the New York Academy of Sciences*, **2003**, 1003, 468-71	6.5	23
69	The potential anti-addictive agent, 18-methoxycoronaridine, blocks the sensitized locomotor and dopamine responses produced by repeated morphine treatment. *Brain Research*, **2000**, 864, 13-23	3.7	22
68	Ethanol up-regulates nucleus accumbens neuronal activity dependent pentraxin (Narp): implications for alcohol-induced behavioral plasticity. *Alcohol*, **2012**, 46, 377-87	2.7	21
67	Genetic variation in heroin-induced changes in behaviour: effects of B6 strain dose on conditioned reward and locomotor sensitization in 129-B6 hybrid mice. *Genes, Brain and Behavior*, **2005**, 4, 324-36	3.6	21
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65	Transgenic Analyses of Homer2 Function Within Nucleus Accumbens Subregions in the Regulation of Methamphetamine Reward and Reinforcement in Mice. *Frontiers in Psychiatry*, **2020**, 11, 11	5	19
64	Anxiolytic effects of buspirone and MTEP in the Porsolt Forced Swim Test. *Chronic Stress*, **2017**, 1,	3	19
63	Ibogaine effects on sweet preference and amphetamine induced locomotion: implications for drug addiction. *Behavioural Brain Research*, **1997**, 89, 99-106	3.4	18
62	Homer2 gene deletion in mice produces a phenotype similar to chronic cocaine treated rats. *Neurotoxicity Research*, **2004**, 6, 385-7	4.3	18
61	Locomotor sensitization to quinpirole in rats: effects of drug abstinence and sex. *Psychopharmacology*, **2000**, 152, 304-11	4.7	18
60	Increased Alcohol-Drinking Induced by Manipulations of mGlu5 Phosphorylation within the Bed Nucleus of the Stria Terminalis. *Journal of Neuroscience*, **2019**, 39, 2745-2761	6.6	18
59	Pretreatment with serotonin 5-HT(3) receptor antagonists produces no observable blockade of long-term motor sensitization to cocaine in rats. *Psychopharmacology*, **2003**, 165, 329-36	4.7	17
58	Interactions between 18-methoxycoronaridine (18-MC) and cocaine: dissociation of behavioural and neurochemical sensitization. *Brain Research*, **2000**, 871, 245-58	3.7	17

57	Cocaine craving during protracted withdrawal requires PKC priming within vmPFC. *Addiction Biology*, **2017**, 22, 629-639	4.6	15
56	Cocaine-elicited imbalances in ventromedial prefrontal cortex Homer1 versus Homer2 expression: implications for relapse. *Addiction Biology*, **2015**, 20, 148-57	4.6	15
55	Endogenous glutamate within the prelimbic and infralimbic cortices regulates the incubation of cocaine-seeking in rats. *Neuropharmacology*, **2018**, 128, 293-300	5.5	15
54	Methamphetamine-alcohol interactions in murine models of sequential and simultaneous oral drug-taking. *Drug and Alcohol Dependence*, **2017**, 177, 178-186	4.9	15
53	Homer2 within the central nucleus of the amygdala modulates withdrawal-induced anxiety in a mouse model of binge-drinking. *Neuropharmacology*, **2018**, 128, 448-459	5.5	15
52	Ibogaine enhances the expression of locomotor sensitization in rats chronically treated with cocaine. *Pharmacology Biochemistry and Behavior*, **1999**, 63, 457-64	3.9	14
51	Variability in prescription opioid intake and reinforcement amongst 129 substrains. *Genes, Brain and Behavior*, **2017**, 16, 709-724	3.6	13
50	DID it or DIDn't it? Exploration of a failure to replicate binge-like alcohol-drinking in C57BL/6J mice. *Pharmacology Biochemistry and Behavior*, **2019**, 178, 3-18	3.9	13
49	Differential effects of ibogaine on behavioural and dopamine sensitization to cocaine. *European Journal of Pharmacology*, **2000**, 398, 259-62	5.3	13
48	mGlu5 Receptor Blockade Within the Nucleus Accumbens Shell Reduces Behavioral Indices of Alcohol Withdrawal-Induced Anxiety in Mice. *Frontiers in Pharmacology*, **2018**, 9, 1306	5.6	13
47	Protracted 'anti-addictive' effects of adolescent phenylpropanolamine exposure in C57BL/6J mice. *Addiction Biology*, **2008**, 13, 310-25	4.6	12
46	Complex interactions between the subject factors of biological sex and prior histories of binge-drinking and unpredictable stress influence behavioral sensitivity to alcohol and alcohol intake. *Physiology and Behavior*, **2019**, 203, 100-112	3.5	12
45	Homer2 within the nucleus accumbens core bidirectionally regulates alcohol intake by both P and Wistar rats. *Alcohol*, **2015**, 49, 533-42	2.7	11
44	Pretreatment with the putative anti-addictive drug, ibogaine, increases the potency of cocaine to elicit locomotor responding: a study with acute and chronic cocaine-treated rats. *Psychopharmacology*, **1999**, 145, 227-33	4.7	11
43	Homers at the Interface between Reward and Pain. *Frontiers in Psychiatry*, **2013**, 4, 39	5	10
42	Identification of a deubiquitinating enzyme as a novel AGS3-interacting protein. *PLoS ONE*, **2010**, 5, e9725	3.7	10
41	Protracted 'pro-addictive' phenotype produced in mice by pre-adolescent phenylpropanolamine. *Neuropsychopharmacology*, **2007**, 32, 1760-73	8.7	10
40	Behavioural sensitization to cocaine is dissociated from changes in striatal NMDA receptor levels. *NeuroReport*, **2000**, 11, 2785-8	1.7	10

39	Altered NMDA receptor function in primary cultures of hippocampal neurons from mice lacking the Homer2 gene. *Synapse*, **2016**, 70, 33-9	2.4	10
38	Discovery of early life stress interacting and sex-specific quantitative trait loci impacting cocaine responsiveness. *British Journal of Pharmacology*, **2019**, 176, 4159-4172	8.6	9
37	Prior binge-drinking history promotes the positive affective valence of methamphetamine in mice. *Drug and Alcohol Dependence*, **2018**, 183, 150-154	4.9	9
36	Kinase interest you in treating incubated cocaine-craving? A hypothetical model for treatment intervention during protracted withdrawal from cocaine. *Genes, Brain and Behavior*, **2018**, 17, e12440	3.6	9
35	Contributions of prolonged contingent and non-contingent cocaine exposure to escalation of cocaine intake and glutamatergic gene expression. *Psychopharmacology*, **2018**, 235, 1347-1359	4.7	8
34	Behavioral and Neurochemical Phenotyping of Mice Incapable of Homer1a Induction. *Frontiers in Behavioral Neuroscience*, **2017**, 11, 208	3.5	8
33	Glutamate Signaling in Alcohol Abuse and Dependence **2014**, 173-206		8
32	Cocaine Self-Administration Elevates GluN2B within dmPFC Mediating Heightened Cue-Elicited Operant Responding. *Journal of Drug Abuse*, **2016**, 2,		8
31	PI3K activation within ventromedial prefrontal cortex regulates the expression of drug-seeking in two rodent species. *Addiction Biology*, **2019**, 24, 1216-1226	4.6	8
30	5' UTR variants in the quantitative trait gene Hnrnph1 support reduced 5' UTR usage and hnRNP H protein as a molecular mechanism underlying reduced methamphetamine sensitivity. *FASEB Journal*, **2020**, 34, 9223-9244	0.9	7
29	A mass spectrometry-based proteomic analysis of Homer2-interacting proteins in the mouse brain. *Journal of Proteomics*, **2017**, 166, 127-137	3.9	7
28	D2 receptor blockade in the dorsal raphe increases quinpirole-induced locomotor excitation. *NeuroReport*, **2002**, 13, 563-6	1.7	7
27	Iboga interactions with psychomotor stimulants: panacea in the paradox?. *Toxicon*, **2001**, 39, 75-86	2.8	7
26	Prolonged-access to cocaine induces distinct Homer2 DNA methylation, hydroxymethylation, and transcriptional profiles in the dorsomedial prefrontal cortex of Male Sprague-Dawley rats. *Neuropharmacology*, **2018**, 143, 299-305	5.5	7
25	A prior history of binge-drinking increases sensitivity to the motivational valence of methamphetamine in female C57BL/6J mice. *Substance Abuse: Research and Treatment*, **2020**, 14, 1178221819897073	1.6	6
24	Incubation of Negative Affect during Protracted Alcohol Withdrawal Is Age-, but Not Sex-Selective. *Brain Sciences*, **2020**, 10,	3.4	6
23	Impoverished rearing impairs working memory and metabotropic glutamate receptor 5 expression. *NeuroReport*, **2008**, 19, 239-43	1.7	6
22	Involvement of neuronal nitric oxide synthase in cross-sensitization between chronic unpredictable stress and ethanol in adolescent and adult mice. *Alcohol*, **2018**, 68, 71-79	2.7	5

21	Targeting mGlu for Methamphetamine Use Disorder. *Pharmacology & Therapeutics*, **2021**, 224, 107831	13.9	5
20	Group 1 metabotropic glutamate receptors and schizophrenia. *Environmental Sciences Europe*, **2012**, 1, 94-103	5	4
19	Sex-dependent effects of an Hnrnph1 mutation on fentanyl addiction-relevant behaviors but not antinociception in mice. *Genes, Brain and Behavior*, **2021**, 20, e12711	3.6	4
18	Persistently Elevated mTOR Complex 1-S6 Kinase 1 Disrupts DARPP-32-Dependent D Dopamine Receptor Signaling and Behaviors. *Biological Psychiatry*, **2021**, 89, 1058-1072	7.9	4
17	Changes in neuronal immunofluorescence in the C- versus N-terminal domains of hnRNP H following D1 dopamine receptor activation. *Neuroscience Letters*, **2018**, 684, 109-114	3.3	3
16	IBOGA AGENTS ENHANCE THE EXPRESSION OF COCAINE-INDUCED STEREOTYPY IN ACUTE AND CHRONIC COCAINE-TREATED RATS. *Behavioural Pharmacology*, **1999**, 10, S92	2.4	3
15	Who is HOT and who is LOT? Detailed characterization of prescription opioid-induced changes in behavior between 129P3/J and 129S1/SvlmJ mouse substrains. *Genes, Brain and Behavior*, **2020**, 19, e12609	3.6	2
14	Hnrnph1 is a novel regulator of alcohol reward. *Drug and Alcohol Dependence*, **2021**, 220, 108518	4.9	2
13	Selective Inhibition of PDE4B Reduces Binge Drinking in Two C57BL/6 Substrains. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	2
12	18-Methoxycoronaridine differentially alters the sensitized behavioral and dopaminergic responses to repeated cocaine and morphine administration. Implications for sensitization in the mediation of drug addiction. *Annals of the New York Academy of Sciences*, **2000**, 909, 275-9	6.5	1
11	Novel ideas about novelty. Commentary on Badiani and Robinson drug-induced neurobehavioral plasticity: the role of environmental context. *Behavioural Pharmacology*, **2004**, 15, 373-6	2.4	1
10	5′UTR variants in the quantitative trait gene Hnrnph1 support reduced 5′UTR usage and hnRNP H protein as a molecular mechanism underlying reduced methamphetamine sensitivity		1
9	Fentanyl-induced antinociception, reward, reinforcement, and withdrawal in Hnrnph1 mutant mice		1
8	Intracranial self-stimulation and concomitant behaviors following systemic methamphetamine administration in Hnrnph1 mutant mice		1
7	Intracranial self-stimulation and concomitant behaviors following systemic methamphetamine administration in Hnrnph1 mutant mice. *Psychopharmacology*, **2021**, 238, 2031-2041	4.7	1
6	Preclinical evidence to support repurposing everolimus for craving reduction during protracted drug withdrawal. *Neuropsychopharmacology*, **2021**, 46, 2090-2100	8.7	0
5	Astrocytes: The Stars of Extinction-Related Learning or Cocaine-Induced Brain Plasticity?. *Biological Psychiatry*, **2016**, 80, 176-8	7.9	0
4	The motivational valence of methamphetamine relates inversely to subsequent methamphetamine self-administration in female C57BL/6J mice. *Behavioural Brain Research*, **2021**, 398, 112959	3.4	0

3	Ventromedial Prefrontal Cortex Glutamate and Cocaine-Craving During Abstinence **2017**, 547-554	
2	C.5 - ALTERED GLIAL PROTEIN EXPRESSION WITHIN THE VENTROMEDIAL AND DORSOMEDIAL PREFRONTAL CORTEX FOLLOWING EXTENDED ACCESS TO COCAINE SELF-ADMINISTRATION IN ADULT MALE RATS. *Behavioural Pharmacology*, **2013**, 24, e31	2.4
1	Enduring dysregulation of nucleus accumbens catecholamine and glutamate transmission by developmental exposure to phenylpropanolamine. *Brain Research*, **2020**, 1748, 147098	3.7