Ping-Yee Law

List of Publications by Year
in descending order

155 papers	5,822 citations	66343 42 h-index	98798 67 g-index
157 all docs	157 docs citations	157 times ranked	5048 citing authors

#	Article	IF	Citations
1	Molecular Mechanisms and Regulation of Opioid Receptor Signaling. Annual Review of Pharmacology and Toxicology, 2000, 40, 389-430.	9.4	588
2	Opioid-induced tolerance and dependence in mice is modulated by the distance between pharmacophores in a bivalent ligand series. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 19208-19213.	7.1	278
3	Î²-Arrestin-Dependent Î¼-Opioid Receptor-Activated Extracellular Signal-Regulated Kinases (ERKs) Translocate to Nucleus in Contrast to G Protein-Dependent ERK Activation. Molecular Pharmacology, 2008, 73, 178-190.	2.3	145
4	Poly(C)-binding proteins as transcriptional regulators of gene expression. Biochemical and Biophysical Research Communications, 2009, 380, 431-436.	2.1	117
5	Phosphorylation of Ser363, Thr370, and Ser375 Residues within the Carboxyl Tail Differentially Regulates Î¼-Opioid Receptor Internalization. Journal of Biological Chemistry, 2001, 276, 12774-12780.	3.4	114
6	Heterodimerization of Î¼- and Î´-Opioid Receptors Occurs at the Cell Surface Only and Requires Receptor-G Protein Interactions. Journal of Biological Chemistry, 2005, 280, 11152-11164.	3.4	101
7	Receptor Density and Recycling Affect the Rate of Agonist-Induced Desensitization of Î¼-Opioid Receptor. Molecular Pharmacology, 2000, 58, 388-398.	2.3	100
8	Morphine Regulates Dopaminergic Neuron Differentiation via miR-133b. Molecular Pharmacology, 2010, 78, 935-942.	2.3	97
9	Assembly of a Î²2-adrenergic receptorâ€"GluR1 signalling complex for localized cAMP signalling. EMBO Journal, 2010, 29, 482-495.	7.8	96
10	Palmitoylation and membrane cholesterol stabilize Î¼-opioid receptor homodimerization and G protein coupling. BMC Cell Biology, 2012, 13, 6.	3.0	92
11	Expression of the Î¼â€Opioid Receptor in CHO Cells: Ability of Î¼â€Opioid Ligands to Promote Î±â€Azidoanilido[³²P]GTP Labeling of Multiple G Protein Î± Subunits. Journal of Neurochemistry, 1995, 64, 2534-2543.	3.9	90
12	Evidence of Endogenous Mu Opioid Receptor Regulation by Epigenetic Control of the Promoters. Molecular and Cellular Biology, 2007, 27, 4720-4736.	2.3	88
13	Î¼-Opioid Receptor Agonists Differentially Regulate the Expression of miR-190 and NeuroD. Molecular Pharmacology, 2010, 77, 102-109.	2.3	87
14	Hierarchical Phosphorylation of Î´-Opioid Receptor Regulates Agonist-induced Receptor Desensitization and Internalization. Journal of Biological Chemistry, 2000, 275, 36659-36664.	3.4	81
15	Neuron-restrictive Silencer Factor (NRSF) Functions as a Repressor in Neuronal Cells to Regulate the Î¼ Opioid Receptor Gene. Journal of Biological Chemistry, 2004, 279, 46464-46473.	3.4	81
16	Agonist-selective signaling is determined by the receptor location within the membrane domains. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 9421-9426.	7.1	80
17	Modulations of NeuroD Activity Contribute to the Differential Effects of Morphine and Fentanyl on Dendritic Spine Stability. Journal of Neuroscience, 2010, 30, 8102-8110.	3.6	78
18	Î¼-Opioid Receptor Desensitization. Journal of Biological Chemistry, 2003, 278, 36733-36739.	3.4	73

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19	Yin Yang 1 Phosphorylation Contributes to the Differential Effects of Î¼-Opioid Receptor Agonists on MicroRNA-190 Expression. Journal of Biological Chemistry, 2010, 285, 21994-22002.	3.4	72
20	Long-Term Morphine Treatment Decreases the Association of Î¼-Opioid Receptor (MOR1) mRNA with Polysomes through miRNA23b. Molecular Pharmacology, 2009, 75, 744-750.	2.3	70
21	MicroRNA 339 downâ€regulates Î¼â€opioid receptor at the postâ€transcriptional level in response to opioid treatment. FASEB Journal, 2013, 27, 522-535.	0.5	69
22	The Î¼-Opioid Receptor Down-Regulates Differently from the Î´-Opioid Receptor: Requirement of a High Affinity Receptor/G Protein Complex Formation. Molecular Pharmacology, 1997, 52, 105-113.	2.3	67
23	Deltorphin II-induced Rapid Desensitization of Î´-Opioid Receptor Requires Both Phosphorylation and Internalization of the Receptor. Journal of Biological Chemistry, 2000, 275, 32057-32065.	3.4	66
24	Epigenetic programming of Î¼â€opioid receptor gene in mouse brain is regulated by MeCP2 and brg1 chromatin remodelling factor. Journal of Cellular and Molecular Medicine, 2009, 13, 3591-3615.	3.6	60
25	Distinct Differences Between Morphineâ€•and [<scp>d</scp>â€Ala²,<i>N</i>â€MePhe⁴,Glyâ€ol⁵]â€Enkephalinâ€•Î¼â€Opioid Receptor Complexes Demonstrated by Cyclic AMPâ€Dependent Protein Kinase Phosphorylation. Journal of Neurochemistry, 1998, 71, 231-239.	3.9	58
26	Rescuing the Traffic-Deficient Mutants of Rat Î¼-Opioid Receptors with Hydrophobic Ligands. Molecular Pharmacology, 2003, 64, 32-41.	2.3	56
27	Opioid receptors: toward separation of analgesic from undesirable effects. Trends in Biochemical Sciences, 2013, 38, 275-282.	7.5	56
28	Neuroblastoma Neuro2A cells stably expressing a cloned Î¼-opioid receptor: a specific cellular model to study acute and chronic effects of morphine. Molecular Brain Research, 1995, 30, 269-278.	2.3	55
29	The Absence of a Direct Correlation between the Loss of [d-Ala2,MePhe4,Gly5-ol]Enkephalin Inhibition of Adenylyl Cyclase Activity and Agonist-induced Î¼-Opioid Receptor Phosphorylation. Journal of Biological Chemistry, 1999, 274, 9207-9215.	3.4	53
30	Agonist-Specific Regulation of Î´-Opioid Receptor Trafficking by G Protein-Coupled Receptor Kinase and Î²-Arrestin. Journal of Receptor and Signal Transduction Research, 1999, 19, 301-313.	2.5	53
31	Distinct effects of individual opioids on the morphology of spines depend upon the internalization of mu opioid receptors. Molecular and Cellular Neurosciences, 2007, 35, 456-469.	2.2	53
32	Up-Regulation of the Î¼-Opioid Receptor Gene Is Mediated through Chromatin Remodeling and Transcriptional Factors in Differentiated Neuronal Cells. Molecular Pharmacology, 2010, 78, 58-68.	2.3	52
33	Agonist-dependent Î¼-opioid receptor signaling can lead to heterologous desensitization. Cellular Signalling, 2010, 22, 684-696.	3.6	51
34	Nuclear Factor ÎºB Signaling in Opioid Functions and Receptor Gene Expression. Journal of NeuroImmune Pharmacology, 2006, 1, 270-279.	4.1	50
35	Postâ€transcriptional regulation of mouse Î¼ opioid receptor (MOR1)<i>via</i>its 3â€² untranslated region: a role for microRNA23b. FASEB Journal, 2008, 22, 4085-4095.	0.5	50
36	Poly(C) Binding Protein Family Is a Transcription Factor in Î¼-Opioid Receptor Gene Expression. Molecular Pharmacology, 2005, 68, 729-736.	2.3	49

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37	Phosphorylation of the Î´-Opioid Receptor Regulates Its Î²-Arrestins Selectivity and Subsequent Receptor Internalization and Adenylyl Cyclase Desensitization. Journal of Biological Chemistry, 2007, 282, 22315-22323.	3.4	49
38	Morphine-induced Î¼-opioid receptor rapid desensitization is independent of receptor phosphorylation and Î²-arrestins. Cellular Signalling, 2008, 20, 1616-1624.	3.6	49
39	Src Phosphorylation of Î¼-Receptor Is Responsible for the Receptor Switching from an Inhibitory to a Stimulatory Signal. Journal of Biological Chemistry, 2009, 284, 1990-2000.	3.4	49
40	Morphine Induces AMPA Receptor Internalization in Primary Hippocampal Neurons via Calcineurin-Dependent Dephosphorylation of GluR1 Subunits. Journal of Neuroscience, 2010, 30, 15304-15316.	3.6	48
41	The opioid ligand binding of human Î¼-opioid receptor is modulated by novel splice variants of the receptor. Biochemical and Biophysical Research Communications, 2006, 343, 1132-1140.	2.1	45
42	Agonistâ€selective signaling of G proteinâ€coupled receptor: Mechanisms and implications. IUBMB Life, 2010, 62, 112-119.	3.4	45
43	Loss of Morphine Reward and Dependence in Mice Lacking G Proteinâ€"Coupled Receptor Kinase 5. Biological Psychiatry, 2014, 76, 767-774.	1.3	45
44	Mobilization of Ca+ from Intracellular Stores in transfected Neuro2a cells by activation of multiple opioid receptor subtypes. Biochemical Pharmacology, 1997, 54, 809-818.	4.4	44
45	Cholesterol Regulates Î¼-Opioid Receptor-Induced Î²-Arrestin 2 Translocation to Membrane Lipid Rafts. Molecular Pharmacology, 2011, 80, 210-218.	2.3	44
46	Non-nociceptive roles of opioids in the CNS: opioidsâ€™ effects on neurogenesis, learning, memory and affect. Nature Reviews Neuroscience, 2019, 20, 5-18.	10.2	44
47	Oxycodone in the Opioid Epidemic: High â€˜Likingâ€™, â€˜Wantingâ€™, and Abuse Liability. Cellular and Molecular Neurobiology, 2021, 41, 899-926.	3.3	44
48	Transcriptional Regulation of Mouse Î¼ Opioid Receptor Gene: Sp3 Isoforms (M1, M2) Function as Repressors in Neuronal Cells to Regulate the Î¼ Opioid Receptor Gene. Molecular Pharmacology, 2005, 67, 1674-1683.	2.3	43
49	The Intracellular Trafficking of Opioid Receptors Directed by Carboxyl Tail and a Di-leucine Motif in Neuro2A Cells. Journal of Biological Chemistry, 2003, 278, 36848-36858.	3.4	42
50	Evidence of the neuron-restrictive silencer factor (NRSF) interaction with Sp3 and its synergic repression to the mu opioid receptor (MOR) gene. Nucleic Acids Research, 2006, 34, 6392-6403.	14.5	42
51	Differential Modulation of Drug-Induced Structural and Functional Plasticity of Dendritic Spines. Molecular Pharmacology, 2012, 82, 333-343.	2.3	40
52	Translational repression of mouse mu opioid receptor expression via leaky scanning. Nucleic Acids Research, 2007, 35, 1501-1513.	14.5	39
53	Modulating Î¼-Opioid Receptor Phosphorylation Switches Agonist-dependent Signaling as Reflected in PKCÎµ Activation and Dendritic Spine Stability. Journal of Biological Chemistry, 2011, 286, 12724-12733.	3.4	39
54	Involvement of Both Inhibitory and Stimulatory Guanine Nucleotide Binding Proteins in the Expression of Chronic Opiate Regulation of Adenylate Cyclase Activity in NG108-15 Cells. Journal of Neurochemistry, 1985, 45, 1585-1589.	3.9	38

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55	Identification of Serine 356 and Serine 363 as the Amino Acids Involved in Etorphine-induced Down-regulation of the Î¼-Opioid Receptor. Journal of Biological Chemistry, 1998, 273, 34488-34495.	3.4	38
56	Post-transcriptional regulation of opioid receptors in the nervous system. Frontiers in Bioscience - Landmark, 2004, 9, 1665.	3.0	38
57	Sustained Activation of Phosphatidylinositol 3-Kinase/Akt/Nuclear Factor ÎºB Signaling Mediates G Protein-coupled Î´-Opioid Receptor Gene Expression. Journal of Biological Chemistry, 2006, 281, 3067-3074.	3.4	37
58	<i>Î¼</i>â€Opioid Receptor Attenuates A<i>Î²</i> Oligomersâ€Induced Neurotoxicity Through <scp>mTOR</scp> Signaling. CNS Neuroscience and Therapeutics, 2015, 21, 8-14.	3.9	37
59	Effect of Opioid on Adult Hippocampal Neurogenesis. Scientific World Journal, The, 2016, 2016, 1-7.	2.1	37
60	MicroRNAs in Opioid Pharmacology. Journal of NeuroImmune Pharmacology, 2012, 7, 808-819.	4.1	36
61	Morphine Modulates Mouse Hippocampal Progenitor Cell Lineages by Upregulating miR-181a Level. Stem Cells, 2014, 32, 2961-2972.	3.2	34
62	A Proteomics Approach for Identification of Single Strand DNA-binding Proteins Involved in Transcriptional Regulation of Mouse Î¼ Opioid Receptor Gene. Molecular and Cellular Proteomics, 2008, 7, 1517-1529.	3.8	33
63	GRIN1 Regulates Î¼-Opioid Receptor Activities by Tethering the Receptor and G Protein in the Lipid Raft. Journal of Biological Chemistry, 2009, 284, 36521-36534.	3.4	32
64	Cholesterol level influences opioid signaling in cell models and analgesia in mice and humans. Journal of Lipid Research, 2012, 53, 1153-1162.	4.2	32
65	A Novel Noncanonical Signaling Pathway for the<i>Âµ</i>-Opioid Receptor. Molecular Pharmacology, 2013, 84, 844-853.	2.3	32
66	Î¼-Opioid Receptor Cell Surface Expression Is Regulated by Its Direct Interaction with Ribophorin I. Molecular Pharmacology, 2009, 75, 1307-1316.	2.3	31
67	NeuroD Modulates Opioid Agonist-Selective Regulation of Adult Neurogenesis and Contextual Memory Extinction. Neuropsychopharmacology, 2013, 38, 770-777.	5.4	31
68	NTI4F: a non-peptide fluorescent probe selective for functional delta opioid receptors. Neuroscience Letters, 1998, 249, 83-86.	2.1	30
69	NGF/PI3K signaling-mediated epigenetic regulation of delta opioid receptor gene expression. Biochemical and Biophysical Research Communications, 2008, 368, 755-760.	2.1	28
70	Effects of addictive drugs on adult neural stem/progenitor cells. Cellular and Molecular Life Sciences, 2016, 73, 327-348.	5.4	28
71	Novel function of the poly(C)â€binding protein Î±CP3 as a transcriptional repressor of the mu opioid receptor gene. FASEB Journal, 2007, 21, 3963-3973.	0.5	26
72	Non-Coding RNAs Regulating Morphine Function: With Emphasis on the In vivo and In vitro Functions of miR-190. Frontiers in Genetics, 2012, 3, 113.	2.3	26

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73	Activation of delta-opioid receptor contributes to the antinociceptive effect of oxycodone in mice. Pharmacological Research, 2016, 111, 867-876.	7.1	26
74	Naltrexone Facilitates Learning and Delays Extinction by Increasing AMPA Receptor Phosphorylation and Membrane Insertion. Biological Psychiatry, 2016, 79, 906-916.	1.3	26
75	Irreversible Binding of cis-(+)-3-Methylfentanyl Isothiocyanate to the Î´ Opioid Receptor and Determination of Its Binding Domain. Journal of Biological Chemistry, 1996, 271, 1430-1434.	3.4	25
76	Short- and Long-Term Regulation of Adenylyl Cyclase Activity by Î´-Opioid Receptor Are Mediated by GÎ±i2 in Neuroblastoma N2A Cells. Molecular Pharmacology, 2006, 69, 1810-1819.	2.3	25
77	Inhibition of c-Jun NH2-terminal kinase stimulates mu opioid receptor expression via p38 MAPK-mediated nuclear NF-ÎºB activation in neuronal and non-neuronal cells. Biochimica Et Biophysica Acta - Molecular Cell Research, 2013, 1833, 1476-1488.	4.1	25
78	Morphine Promotes Astrocyte-Preferential Differentiation of Mouse Hippocampal Progenitor Cells via PKCÎµ-Dependent ERK Activation and TRBP Phosphorylation. Stem Cells, 2015, 33, 2762-2772.	3.2	25
79	Effects of dextromethorphan and oxycodone on treatment of neuropathic pain in mice. Journal of Biomedical Science, 2015, 22, 81.	7.0	24
80	The interaction of the mu-opioid receptor and G protein is altered after chronic morphine treatment in rats. Naunyn-Schmiedeberg's Archives of Pharmacology, 1993, 348, 504-8.	3.0	22
81	The region in the Î¼ opioid receptor conferring selectivity for sufentanil over the Î´ receptor is different from that over the Îº receptor. FEBS Letters, 1996, 384, 198-202.	2.8	22
82	In vivo activation of a mutant Â-opioid receptor by antagonist: Future direction for opiate pain treatment paradigm that lacks undesirable side effects. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 2117-2121.	7.1	22
83	Differential use of an in-frame translation initiation codon regulates human mu opioid receptor (OPRM1). Cellular and Molecular Life Sciences, 2009, 66, 2933-2942.	5.4	22
84	Phosphorylation of poly(rC) binding protein 1 (PCBP1) contributes to stabilization of mu opioid receptor (MOR) mRNA via interaction with AU-rich element RNA-binding protein 1 (AUF1) and poly A binding protein (PABP). Gene, 2017, 598, 113-130.	2.2	22
85	M1 muscarinic receptor facilitates cognitive function by interplay with AMPA receptor GluAl subunit. FASEB Journal, 2018, 32, 4247-4257.	0.5	22
86	M1 muscarinic receptors regulate the phosphorylation of AMPA receptor subunit GluA1viaa signaling pathway linking cAMPâ€PKA and PI3Kâ€Akt. FASEB Journal, 2019, 33, 6622-6631.	0.5	22
87	Agonist-Dependent Postsynaptic Effects of Opioids on Miniature Excitatory Postsynaptic Currents in Cultured Hippocampal Neurons. Journal of Neurophysiology, 2007, 97, 1485-1494.	1.8	21
88	Effects of cycloheximide and tunicamycin on opiate receptor activities in neuroblastoma X glioma NG108-15 hybrid cells. Biochemical Pharmacology, 1985, 34, 9-17.	4.4	20
89	Novel function of neuron-restrictive silencer factor (NRSF) for posttranscriptional regulation. Biochimica Et Biophysica Acta - Molecular Cell Research, 2008, 1783, 1835-1846.	4.1	20
90	Srcâ€•dependent phosphorylation of Î¼â€•opioid receptor at Tyr ³³⁶ modulates opiate withdrawal. EMBO Molecular Medicine, 2017, 9, 1521-1536.	6.9	20

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91	Morphine Modulates Adult Neurogenesis and Contextual Memory by Impeding the Maturation of Neural Progenitors. PLoS ONE, 2016, 11, e0153628.	2.5	20
92	Chronic opioid treatment may uncouple opioid receptors and G-proteins: evidence from radiation inactivation analysis. European Journal of Pharmacology, 1993, 246, 233-238.	2.6	19
93	Immunohistochemical evidence of down-regulation of Î¼-opioid receptor after chronic PL-017 in rats. European Journal of Pharmacology, 1998, 344, 137-142.	3.5	19
94	Action of NF-ÎºB on the delta opioid receptor gene promoter. Biochemical and Biophysical Research Communications, 2007, 352, 818-822.	2.1	19
95	DNA Methylation-Related Chromatin Modification in the Regulation of Mouse Î´-Opioid Receptor Gene. Molecular Pharmacology, 2005, 67, 2032-2039.	2.3	18
96	Bidirectional Effects of Fentanyl on Dendritic Spines and AMPA Receptors Depend Upon the Internalization of Mu Opioid Receptors. Neuropsychopharmacology, 2009, 34, 2097-2111.	5.4	18
97	Post-transcriptional regulation of mu-opioid receptor: role of the RNA-binding proteins heterogeneous nuclear ribonucleoprotein H1 and F. Cellular and Molecular Life Sciences, 2012, 69, 599-610.	5.4	18
98	Morphine drives internal ribosome entry site-mediated hnRNP K translation in neurons through opioid receptor-dependent signaling. Nucleic Acids Research, 2014, 42, 13012-13025.	14.5	18
99	p38 Mitogenâ€activated protein kinase and PI3â€kinase are involved in upâ€regulation of mu opioid receptor transcription induced by cycloheximide. Journal of Neurochemistry, 2011, 116, 1077-1087.	3.9	17
100	Opioid Receptor Signal Transduction Mechanisms. , 2011, , 195-238.		17
101	Neurod1 Modulates Opioid Antinociceptive Tolerance via Two Distinct Mechanisms. Biological Psychiatry, 2014, 76, 775-784.	1.3	17
102	Role of Opioid Receptors in Narcotic Tolerance/ Dependence. , 1988, , 441-485.		17
103	A Major Species of Mouse Î¼-opioid Receptor mRNA and Its Promoter-Dependent Functional Polyadenylation Signal. Molecular Pharmacology, 2005, 68, 279-285.	2.3	16
104	Cell-Free Desensitization of Opioid Inhibition of Adenylate Cyclase in Neuroblastoma Ã— Glioma NG108-15 Hybrid Cell Membranes. Journal of Neurochemistry, 2006, 47, 733-737.	3.9	16
105	Transcriptional regulation of mouse mu opioid receptor gene in neuronal cells by Poly(ADPâ€ribose) polymeraseâ€1. Journal of Cellular and Molecular Medicine, 2008, 12, 2319-2333.	3.6	16
106	Morphine regulates adult neurogenesis and contextual memory extinction via the PKCÎµ/Prox1 pathway. Neuropharmacology, 2018, 141, 126-138.	4.1	16
107	Antinociceptive effects of morphine and naloxone in mu-opioid receptor knockout mice transfected with the MORS196A gene. Journal of Biomedical Science, 2010, 17, 28.	7.0	14
108	Activation of Protein Kinase C (PKC)Î± or PKCÎµ as an Approach to Increase Morphine Tolerance in Respiratory Depression and Lethal Overdose. Journal of Pharmacology and Experimental Therapeutics, 2012, 341, 115-125.	2.5	14

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109	Posttranslation Modification of G Protein-Coupled Receptor in Relationship to Biased Agonism. Methods in Enzymology, 2013, 522, 391-408.	1.0	14
110	Neurite Outgrowth is Dependent on the Association of c-Src and Lipid Rafts. Neurochemical Research, 2009, 34, 2197-2205.	3.3	13
111	Discovery, structureâ€“activity relationship studies, and anti-nociceptive effects of 1-phenyl-3,6,6-trimethyl-1,5,6,7-tetrahydro-4H-indazol-4-one as novel opioid receptor agonists. Bioorganic and Medicinal Chemistry, 2014, 22, 4694-4703.	3.0	12
112	Discovery, structure-activity relationship studies, and anti-nociceptive effects of N-(1,2,3,4-tetrahydro-1-isoquinolinylmethyl)benzamides as novel opioid receptor agonists. European Journal of Medicinal Chemistry, 2017, 126, 202-217.	5.5	12
113	uAUG-Mediated Translational Initiations are Responsible for Human Mu Opioid Receptor Gene Expression. Journal of Cellular and Molecular Medicine, 2009, 14, 1113-24.	3.6	11
114	Post-Transcriptional Regulation of the Human Mu-Opioid Receptor (MOR) by Morphine-Induced RNA Binding Proteins hnRNP K and PCBP1. Journal of Cellular Physiology, 2017, 232, 576-584.	4.1	11
115	Temporal effect of manipulating NeuroD1 expression with the synthetic small molecule KHS101 on morphine contextual memory. Neuropharmacology, 2017, 126, 58-69.	4.1	11
116	Delta-opioid receptor antagonist naltrindole reduces oxycodone addiction and constipation in mice. European Journal of Pharmacology, 2019, 852, 265-273.	3.5	11
117	Kappa opioid receptor controls neural stem cell differentiation via a miR-7a/Pax6 dependent pathway. Stem Cells, 2021, 39, 600-616.	3.2	11
118	Novel dual-binding function of a poly (C)-binding protein 3, transcriptional factor which binds the double-strand and single-stranded DNA sequence. Gene, 2012, 501, 33-38.	2.2	10
119	Effect of naltrexone on neuropathic pain in mice locally transfected with the mutant <scp>Î¼</scp>â€opioid receptor gene in spinal cord. British Journal of Pharmacology, 2015, 172, 630-641.	5.4	10
120	Opioid doses required for pain management in lung cancer patients with different cholesterol levels: negative correlation between opioid doses and cholesterol levels. Lipids in Health and Disease, 2016, 15, 47.	3.0	10
121	Morphine and Naloxone Facilitate Neural Stem Cells Proliferation via a TET1-Dependent and Receptor-Independent Pathway. Cell Reports, 2020, 30, 3625-3631.e6.	6.4	10
122	Naloxone regulates the differentiation of neural stem cells via a receptorâ€independent pathway. FASEB Journal, 2020, 34, 5917-5930.	0.5	10
123	Antagonist Efficacy in MORS196L Mutant Is Affected by the Interaction between Transmembrane Domains of the Opioid Receptor. Journal of Pharmacology and Experimental Therapeutics, 2005, 313, 216-226.	2.5	9
124	FK506-Binding Protein 12 Modulates<i>Î¼</i>-Opioid Receptor Phosphorylation and Protein Kinase C<i>Îµ</i>â€“Dependent Signaling by Its Direct Interaction with the Receptor. Molecular Pharmacology, 2014, 85, 37-49.	2.3	9
125	Modulation of <scp>mTOR</scp> Activity by <i>Î¼</i>â€Opioid Receptor is Dependent upon the Association of Receptor and <scp>FK</scp>506â€Binding Protein 12. CNS Neuroscience and Therapeutics, 2015, 21, 591-598.	3.9	9
126	Epigenetic Activation of <i>Î¼</i>-Opioid Receptor Gene via Increased Expression and Function of Mitogen- and Stress-Activated Protein Kinase 1. Molecular Pharmacology, 2017, 91, 357-372.	2.3	9

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127	Spinal or supraspinal phosphorylation deficiency at the MOR C-terminus does not affect morphine tolerance in vivo. Pharmacological Research, 2017, 119, 153-168.	7.1	9
128	Î¼-Opioid receptor regulates CFTR coexpressed in Xenopus oocytes in a cAMP independent manner. Molecular Brain Research, 1997, 44, 55-65.	2.3	8
129	Neuronâ€glial cell communication in the traumatic stressâ€induced immunomodulation. Synapse, 2011, 65, 433-440.	1.2	8
130	Naloxone can act as an analgesic agent without measurable chronic side effects in mice with a mutant muâ€opioid receptor expressed in different sites of pain pathway. Synapse, 2012, 66, 694-704.	1.2	8
131	Vimentin interacts with the 5â€²-untranslated region of mouse mu opioid receptor (MOR) and is required for post-transcriptional regulation. RNA Biology, 2013, 10, 256-266.	3.1	8
132	Role of FK506 binding protein 12 in morphine-induced Î¼-opioid receptor internalization and desensitization. Neuroscience Letters, 2014, 566, 231-235.	2.1	8
133	Convallatoxin enhance the ligand-induced mu-opioid receptor endocytosis and attenuate morphine antinociceptive tolerance in mice. Scientific Reports, 2019, 9, 2405.	3.3	8
134	Modification of opioid receptor activity by acid phosphatase in neuroblastoma X glioma NG108-15 hybrid cells. Biochemical and Biophysical Research Communications, 1988, 152, 1369-1375.	2.1	6
135	Search for the â€œideal analgesicâ€•in pain treatment by engineering the muâ€opioid receptor. IUBMB Life, 2010, 62, 103-111.	3.4	6
136	The inÂvivo antinociceptive and Î¼-opioid receptor activating effects of the combination of N-phenyl-2â€²,4â€²-dimethyl-4,5â€²-bi-1,3-thiazol-2-amines and naloxone. European Journal of Medicinal Chemistry, 2019, 167, 312-323.	5.5	6
137	Novel function of the poly(c)-binding protein Î±-CP2 as a transcriptional activator that binds to single-stranded DNA sequences. International Journal of Molecular Medicine, 2013, 32, 1187-1194.	4.0	5
138	1-(2,4-Dibromophenyl)-3,6,6-trimethyl-1,5,6,7-tetrahydro-4<i>H</i>-indazol-4-one. Anesthesiology, 2017, 126, 952-966.	2.5	5
139	Neuroblastoma X glioma NG108-15 hybrid cells cultured in a serum-free chemically defined medium: effects on acute and chronic opiate regulation of adenylate cyclase activity. Brain Research, 1985, 360, 370-373.	2.2	4
140	Effect of opioid receptor ligands on the Î¼-S196A knock-in and Î¼ knockout mouse vas deferens. European Journal of Pharmacology, 2003, 478, 207-210.	3.5	3
141	Differential gene expression activity among species-specific polypyrimidine/polypurine motifs in mu opioid receptor gene promoters. Gene, 2011, 471, 27-36.	2.2	3
142	The polypyrimidine/polypurine motif in the mouse mu opioid receptor gene promoter is a supercoiling-regulatory element. Gene, 2011, 487, 52-61.	2.2	3
143	Differential regulation of mouse and human Mu opioid receptor gene depends on the single stranded DNA structure of its promoter and Î±-complex protein 1. Biomedical Reports, 2017, 6, 532-538.	2.0	3
144	Naloxone Facilitates Contextual Learning and Memory in a Receptor-Independent and Tet1-Dependent Manner. Cellular and Molecular Neurobiology, 2021, 41, 1031-1038.	3.3	3

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145	Analysis of Epigenetic Mechanisms Regulating Opioid Receptor Gene Transcription. Methods in Molecular Biology, 2015, 1230, 39-51.	0.9	2
146	Heterotrimeric Gâ€protein serves as scaffold for Muâ€opioid receptor mediated signal transduction in lipid rafts. FASEB Journal, 2006, 20, .	0.5	2
147	Selective and antagonist-dependent Âµ-opioid receptor activation by the combination of 2-{[2-(6-chloro-3,4-dihydro-1(2H)-quinolinyl)-2-oxoethyl]sulfanyl}-5-phenyl-4,6-(1H,5H)-pyrimidinedione and naloxone/naltrexone. Bioorganic Chemistry, 2022, 128, 105905.	4.1	1
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