Stefan Schulz

List of Publications by Year
in descending order

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230 papers	14,541 citations	13099 68 h-index	24258 110 g-index
238 all docs	238 docs citations	238 times ranked	12926 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	The Conserved Bardet-Biedl Syndrome Proteins Assemble a Coat that Traffics Membrane Proteins to Cilia. Cell, 2010, 141, 1208-1219.	28.9	542
3	CXCR4 Regulates Interneuron Migration in the Developing Neocortex. Journal of Neuroscience, 2003, 23, 5123-5130.	3.6	411
4	A Dual Role for the SDF-1/CXCR4 Chemokine Receptor System in Adult Brain: Isoform-Selective Regulation of SDF-1 Expression Modulates CXCR4-Dependent Neuronal Plasticity and Cerebral Leukocyte Recruitment after Focal Ischemia. Journal of Neuroscience, 2002, 22, 5865-5878.	3.6	366
5	Selective targeting of somatostatin receptor 3 to neuronal cilia. Neuroscience, 1999, 89, 909-926.	2.3	344
6	Homo- and Heterodimerization of Somatostatin Receptor Subtypes. Journal of Biological Chemistry, 2001, 276, 14027-14036.	3.4	274
7	Effect of the A118G polymorphism on binding affinity, potency and agonist-mediated endocytosis, desensitization, and resensitization of the human mu-opioid receptor. Journal of Neurochemistry, 2004, 89, 553-560.	3.9	263
8	Cxcr7 Controls Neuronal Migration by Regulating Chemokine Responsiveness. Neuron, 2011, 69, 77-90.	8.1	260
9	Targeted disruption of the orphanin FQ/nociceptin gene increases stress susceptibility and impairs stress adaptation in mice. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 10444-10449.	7.1	235
10	Heterodimerization of Somatostatin and Opioid Receptors Cross-modulates Phosphorylation, Internalization, and Desensitization. Journal of Biological Chemistry, 2002, 277, 19762-19772.	3.4	227
11	Phosphorylation-deficient G-protein-biased Î¼-opioid receptors improve analgesia and diminish tolerance but worsen opioid side effects. Nature Communications, 2019, 10, 367.	12.8	226
12	Low intrinsic efficacy for G protein activation can explain the improved side effect profiles of new opioid agonists. Science Signaling, 2020, 13, .	3.6	219
13	Identification of somatostatin receptor subtypes 1, 2A, 3, and 5 in neuroendocrine tumours with subtype specific antibodies. Gut, 2002, 50, 52-60.	12.1	186
14	PET of CXCR4 Expression by a ⁶⁸Ga-Labeled Highly Specific Targeted Contrast Agent. Journal of Nuclear Medicine, 2011, 52, 1803-1810.	5.0	182
15	Morphineâ€induced respiratory depression is independent of Î²â€arrestin2 signalling. British Journal of Pharmacology, 2020, 177, 2923-2931.	5.4	182
16	Carboxyl-terminal Splicing of the Rat Î¼ Opioid Receptor Modulates Agonist-mediated Internalization and Receptor Resensitization. Journal of Biological Chemistry, 1998, 273, 13652-13657.	3.4	172
17	Morphine induces terminal Î¼-opioid receptor desensitization by sustained phosphorylation of serine-375. EMBO Journal, 2004, 23, 3282-3289.	7.8	165
18	CXCR4 and Gab1 cooperate to control the development of migrating muscle progenitor cells. Genes and Development, 2005, 19, 2187-2198.	5.9	164

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19	International Union of Basic and Clinical Pharmacology. CV. Somatostatin Receptors: Structure, Function, Ligands, and New Nomenclature. Pharmacological Reviews, 2018, 70, 763-835.	16.0	163
20	Differential Effects of Octreotide and Pasireotide on Somatostatin Receptor Internalization and Trafficking in Vitro. Journal of Clinical Endocrinology and Metabolism, 2009, 94, 654-661.	3.6	156
21	Receptor Endocytosis Counteracts the Development of Opioid Tolerance. Molecular Pharmacology, 2005, 67, 280-287.	2.3	153
22	The Concise Guide to PHARMACOLOGY 2013/14: Overview. British Journal of Pharmacology, 2013, 170, 1449-1458.	5.4	153
23	C-terminal Splice Variants of the Mouse Âµ-Opioid Receptor Differ in Morphine-induced Internalization and Receptor Resensitization. Journal of Biological Chemistry, 2001, 276, 31408-31414.	3.4	150
24	Differential Î2-Arrestin Trafficking and Endosomal Sorting of Somatostatin Receptor Subtypes. Journal of Biological Chemistry, 2004, 279, 21374-21382.	3.4	150
25	Direct Evidence for Biphasic cAMP Responsive Element-Binding Protein Phosphorylation during Long-Term Potentiation in the Rat Dentate GyrusIn Vivo. Journal of Neuroscience, 1999, 19, 5683-5692.	3.6	142
26	Localization of five somatostatin receptors in the rat central nervous system using subtype-specific antibodies. Journal of Physiology (Paris), 2000, 94, 259-264.	2.1	137
27	Somatostatin Receptor Subtypes in Human Pheochromocytoma: Subcellular Expression Pattern and Functional Relevance for Octreotide Scintigraphy. Journal of Clinical Endocrinology and Metabolism, 2003, 88, 5150-5157.	3.6	137
28	Heterodimerization of Substance P and Î¼-Opioid Receptors Regulates Receptor Trafficking and Resensitization. Journal of Biological Chemistry, 2003, 278, 51630-51637.	3.4	132
29	Internalization of sst2, sst3, and sst5 receptors: effects of somatostatin agonists and antagonists. Journal of Nuclear Medicine, 2006, 47, 502-11.	5.0	132
30	Targeting multiple opioid receptors â€“ improved analgesics with reduced side effects?. British Journal of Pharmacology, 2018, 175, 2857-2868.	5.4	131
31	Molecular imaging with 68Ga-SSTR PET/CT and correlation to immunohistochemistry of somatostatin receptors in neuroendocrine tumours. European Journal of Nuclear Medicine and Molecular Imaging, 2011, 38, 1659-1668.	6.4	130
32	Nociceptin/orphanin FQ and opioid peptides show overlapping distribution but not co-localization in pain-modulatory brain regions. NeuroReport, 1996, 7, 3021-3026.	1.2	129
33	Identification and Characterization of Two Novel Truncated but Functional Isoforms of the Somatostatin Receptor Subtype 5 Differentially Present in Pituitary Tumors. Journal of Clinical Endocrinology and Metabolism, 2009, 94, 2634-2643.	3.6	125
34	Comparison of immunoreactive score, HER2/<i>neu</i> score and H score for the immunohistochemical evaluation of somatostatin receptors in bronchopulmonary neuroendocrine neoplasms. Histopathology, 2015, 67, 368-377.	2.9	123
35	Somatostatin Analogs Modulate AIP in Somatotroph Adenomas: The Role of the ZAC1 Pathway. Journal of Clinical Endocrinology and Metabolism, 2012, 97, E1411-E1420.	3.6	122
36	Regional and cellular localization of the CXCl12/SDFâ€‘1 chemokine receptor CXCR7 in the developing and adult rat brain. Journal of Comparative Neurology, 2008, 510, 207-220.	1.6	118

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37	Agonist-selective patterns of Âµ-opioid receptor phosphorylation revealed by phosphosite-specific antibodies. British Journal of Pharmacology, 2011, 164, 298-307.	5.4	118
38	Somatostatin Signaling in Neuronal Cilia Is Criticalfor Object Recognition Memory. Journal of Neuroscience, 2010, 30, 4306-4314.	3.6	115
39	Reassessment of sst₂Somatostatin Receptor Expression in Human Normal and Neoplastic Tissues Using the Novel Rabbit Monoclonal Antibody UMB-1. Journal of Clinical Endocrinology and Metabolism, 2008, 93, 4519-4524.	3.6	114
40	Differentiation of Opioid Drug Effects by Hierarchical Multi-Site Phosphorylation. Molecular Pharmacology, 2013, 83, 633-639.	2.3	113
41	Anatomical characterization of the neuropeptide S system in the mouse brain by in situ hybridization and immunohistochemistry. Journal of Comparative Neurology, 2011, 519, 1867-1893.	1.6	112
42	Expression of SSTR2a, but not of SSTRs 1, 3, or 5 in Somatotroph Adenomas Assessed by Monoclonal Antibodies Was Reduced by Octreotide and Correlated With the Acute and Long-Term Effects of Octreotide. Journal of Clinical Endocrinology and Metabolism, 2013, 98, E1730-E1739.	3.6	112
43	Pain control by CXCR2 ligands through Ca 2+ â€‘regulated release of opioid peptides from polymorphonuclear cells. FASEB Journal, 2006, 20, 2627-2629.	0.5	110
44	Immunocytochemical localization of somatostatin receptor sst2Ain the rat spinal cord and dorsal root ganglia. European Journal of Neuroscience, 1998, 10, 3700-3708.	2.6	104
45	Indium-111â€“Pentetreotide Scintigraphy and Somatostatin Receptor Subtype 2 Expression: New Prognostic Factors for Malignant Well-Differentiated Endocrine Tumors. Journal of Clinical Oncology, 2008, 26, 963-970.	1.6	99
46	Distribution, Targeting, and Internalization of the sst₄Somatostatin Receptor in Rat Brain. Journal of Neuroscience, 2000, 20, 3785-3797.	3.6	98
47	Selective Loss of Somatostatin Receptor 2 in Octreotide-Resistant Growth Hormone-Secreting Adenomas. Journal of Clinical Endocrinology and Metabolism, 2008, 93, 1203-1210.	3.6	98
48	Multisite phosphorylation is required for sustained interaction with GRKs and arrestins during rapid Î¼-opioid receptor desensitization. Science Signaling, 2018, 11, .	3.6	97
49	Enhanced expression of the CXCl12/SDF-1 chemokine receptor CXCR7 after cerebral ischemia in the rat brain. Journal of Neuroimmunology, 2008, 198, 39-45.	2.3	94
50	ADP-ribosylation Factor-dependent Phospholipase D2 Activation Is Required for Agonist-induced Î¼-Opioid Receptor Endocytosis. Journal of Biological Chemistry, 2003, 278, 9979-9985.	3.4	91
51	Neuronal types expressing Î¼- and Î´-opioid receptor mRNA in the rat hippocampal formation. Journal of Comparative Neurology, 2004, 469, 107-118.	1.6	91
52	Critical Assessment of G Protein-Biased Agonism at the Î¼-Opioid Receptor. Trends in Pharmacological Sciences, 2020, 41, 947-959.	8.7	91
53	Epigenetic mechanisms of drug resistance: drug-induced DNA hypermethylation and drug resistance.. Proceedings of the National Academy of Sciences of the United States of America, 1993, 90, 2960-2964.	7.1	90
54	Immunocytochemical Identification of VPAC1, VPAC2, and PAC1 Receptors in Normal and Neoplastic Human Tissues with Subtype-Specific Antibodies. Clinical Cancer Research, 2004, 10, 8235-8242.	7.0	90

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55	Involvement of Mitogen-Activated Protein Kinase in Agonist-Induced Phosphorylation of the Î¼-Opioid Receptor in HEK 293 Cells. Journal of Neurochemistry, 2001, 74, 414-422.	3.9	87
56	Patterns of SDF-1Î± and SDF-1Î³ mRNAs, migration pathways, and phenotypes of CXCR4-expressing neurons in the developing rat telencephalon. Journal of Comparative Neurology, 2007, 502, 382-399.	1.6	86
57	Deciphering Âµâ€opioid receptor phosphorylation and dephosphorylation in HEK293 cells. British Journal of Pharmacology, 2012, 167, 1259-1270.	5.4	85
58	Pasireotide and Octreotide Stimulate Distinct Patterns of sst2A Somatostatin Receptor Phosphorylation. Molecular Endocrinology, 2010, 24, 436-446.	3.7	83
59	Colocalization of the Î¼-opioid receptor and calcium/calmodulin-dependent kinase II in distinct pain-processing brain regions. Molecular Brain Research, 2000, 85, 239-250.	2.3	81
60	Immunofluorescent identification of endomorphin-2-containing nerve fibers and terminals in the rat brain and spinal cord. NeuroReport, 1998, 9, 1031-1034.	1.2	80
61	Rapid Uptake and Degradation of CXCL12 Depend on CXCR7 Carboxyl-terminal Serine/Threonine Residues. Journal of Biological Chemistry, 2012, 287, 28362-28377.	3.4	79
62	Opioid withdrawal activates MAP kinase in locus coeruleus neurons in morphine-dependent ratsin vivo. European Journal of Neuroscience, 1998, 10, 1196-1201.	2.6	78
63	Inverse expression of somatostatin and CXCR4 chemokine receptors in gastroenteropancreatic neuroendocrine neoplasms of different malignancy. Oncotarget, 2015, 6, 27566-27579.	1.8	77
64	Immunocytochemistry of endothelial nitric oxide synthase in the rat brain: a light and electron microscopical study using the tyramide signal amplification technique. Acta Histochemica, 1997, 99, 411-429.	1.8	76
65	Comparing of IRS and Her2 as immunohistochemical scoring schemes in gastroenteropancreatic neuroendocrine tumors. International Journal of Clinical and Experimental Pathology, 2012, 5, 187-94.	0.5	73
66	Immunolocalization of two mu-opioid receptor isoforms (MOR1 and MOR1B) in the rat central nervous system. Neuroscience, 1997, 82, 613-622.	2.3	71
67	Tonic Activation of CXC Chemokine Receptor 4 in Immature Granule Cells Supports Neurogenesis in the Adult Dentate Gyrus. Journal of Neuroscience, 2008, 28, 4488-4500.	3.6	71
68	New Pansomatostatin Ligands and Their Chelated Versions: Affinity Profile, Agonist Activity, Internalization, and Tumor Targeting. Clinical Cancer Research, 2008, 14, 2019-2027.	7.0	68
69	Immunohistochemical identification of the PTHR1 parathyroid hormone receptor in normal and neoplastic human tissues. European Journal of Endocrinology, 2010, 162, 979-986.	3.7	65
70	Reassessment of sst₅ Somatostatin Receptor Expression in Normal and Neoplastic Human Tissues Using the Novel Rabbit Monoclonal Antibody UMB-4. Neuroendocrinology, 2011, 94, 255-264.	2.5	65
71	Phospholipase D2 modulates agonist-induced Âµ-opioid receptor desensitization and resensitization. Journal of Neurochemistry, 2003, 88, 680-688.	3.9	64
72	Novel insights in somatostatin receptor physiology. European Journal of Endocrinology, 2007, 156, S3-S11.	3.7	64

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73	Identification of cells expressing somatostatin receptor 2 in the gastrointestinal tract ofSstr2 knockout/lacZ knockin mice. Journal of Comparative Neurology, 2002, 454, 329-340.	1.6	60
74	SSTR3 is a putative target for the medical treatment of gonadotroph adenomas of the pituitary. Endocrine-Related Cancer, 2015, 22, 111-119.	3.1	60
75	ACKR3 Regulation of Neuronal Migration Requires ACKR3 Phosphorylation, but Not Î²-Arrestin. Cell Reports, 2019, 26, 1473-1488.e9.	6.4	60
76	Reassessment of CXCR4 Chemokine Receptor Expression in Human Normal and Neoplastic Tissues Using the Novel Rabbit Monoclonal Antibody UMB-2. PLoS ONE, 2008, 3, e4069.	2.5	59
77	Replacement of Threonine 394 by Alanine Facilitates Internalization and Resensitization of the Rat Î¼ Opioid Receptor. Molecular Pharmacology, 1999, 55, 263-268.	2.3	58
78	Analgesic Tolerance to High-Efficacy Agonists But Not to Morphine Is Diminished in Phosphorylation-Deficient S375A Î¼-Opioid Receptor Knock-In Mice. Journal of Neuroscience, 2011, 31, 13890-13896.	3.6	55
79	DG3173 (somatoprim), a unique somatostatin receptor subtypes 2-, 4- and 5-selective analogue, effectively reduces GH secretion in human GH-secreting pituitary adenomas even in Octreotide non-responsive tumours. European Journal of Endocrinology, 2012, 166, 223-234.	3.7	55
80	GPCR kinase knockout cells reveal the impact of individual GRKs on arrestin binding and GPCR regulation. Nature Communications, 2022, 13, 540.	12.8	54
81	Allosteric modulation of metabotropic glutamate receptor 5 affects phosphorylation, internalization, and desensitization of the Î¼-opioid receptor. Neuropharmacology, 2009, 56, 768-778.	4.1	53
82	Membrane Glycoprotein M6a Interacts with the Î¼-Opioid Receptor and Facilitates Receptor Endocytosis and Recycling. Journal of Biological Chemistry, 2007, 282, 22239-22247.	3.4	52
83	Hierarchical Organization of Multi-Site Phosphorylation at the CXCR4 C Terminus. PLoS ONE, 2013, 8, e64975.	2.5	52
84	Somatostatin Receptor 2 Is Activated in Cortical Neurons and Contributes to Neurodegeneration after Focal Ischemia. Journal of Neuroscience, 2004, 24, 11404-11415.	3.6	51
85	Prenylated proteins and lymphocyte proliferation: Inhibition byd-limonene and related monoterpenes. European Journal of Immunology, 1994, 24, 301-307.	2.9	49
86	Balance between somatostatin and D2 receptor expression drives TSHâ€secreting adenoma response to somatostatin analogues and dopastatins. Clinical Endocrinology, 2012, 76, 407-414.	2.4	47
87	Immunohistochemical localization of somatostatin receptor subtypes in benign and malignant adrenal tumours. Clinical Endocrinology, 2008, 68, 850-857.	2.4	46
88	Intracellular trafficking of somatostatin receptors. Molecular and Cellular Endocrinology, 2008, 286, 58-62.	3.2	46
89	Somatostatin Receptors in Bronchopulmonary Neuroendocrine Neoplasms: New Diagnostic, Prognostic, and Therapeutic Markers. Journal of Clinical Endocrinology and Metabolism, 2015, 100, 831-840.	3.6	46
90	Heterologous regulation of agonistâ€independent Î¼â€opioid receptor phosphorylation by protein kinase <scp>C</scp>. British Journal of Pharmacology, 2014, 171, 1330-1340.	5.4	45

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91	Loss of Morphine Reward and Dependence in Mice Lacking G Proteinâ€“Coupled Receptor Kinase 5. Biological Psychiatry, 2014, 76, 767-774.	1.3	45
92	Phenotypic and Genotypic Characterization of Carcinomas of the Papilla of Vater Has Prognostic and Putative Therapeutic Implications. American Journal of Clinical Pathology, 2011, 135, 202-211.	0.7	44
93	Reassessment of sst₃ Somatostatin Receptor Expression in Human Normal and Neoplastic Tissues Using the Novel Rabbit Monoclonal Antibody UMB-5. Neuroendocrinology, 2012, 96, 301-310.	2.5	44
94	Preoperative Normalization of Cortisol Levels in Cushing's Disease After Medical Treatment: Consequences for Somatostatin and Dopamine Receptor Subtype Expression and In Vitro Response to Somatostatin Analogs and Dopamine Agonists. Journal of Clinical Endocrinology and Metabolism, 2013, 98, E1880-E1890.	3.6	44
95	Alterations of Phospholamban Function Can Exhibit Cardiotoxic Effects Independent of Excessive Sarcoplasmic Reticulum Ca ²⁺ -ATPase Inhibition. Circulation, 2009, 119, 436-444.	1.6	43
96	Differential antiinflammatory and antinociceptive effects of the somatostatin analogs octreotide and pasireotide in a mouse model of immuneâ€mediated arthritis. Arthritis and Rheumatism, 2011, 63, 2352-2362.	6.7	43
97	Differential Expression of Somatostatin Receptor Subtype 1â€“5 Proteins in Numerous Human Normal Tissues. Experimental and Clinical Endocrinology and Diabetes, 2012, 120, 482-489.	1.2	43
98	Comprehensive evaluation of a somatostatin-based radiolabelled antagonist for diagnostic imaging and radionuclide therapy. European Journal of Nuclear Medicine and Molecular Imaging, 2012, 39, 1876-1885.	6.4	43
99	Inhibition of protein isoprenylation and p21ras membrane association by dehydroepiandrosterone in human colonic adenocarcinoma cells in vitro. Cancer Research, 1991, 51, 6563-7.	0.9	43
100	Mechanisms of cell growth inhibition and cell cycle arrest in human colonic adenocarcinoma cells by dehydroepiandrosterone: role of isoprenoid biosynthesis. Cancer Research, 1992, 52, 1372-6.	0.9	42
101	Differential distribution of alternatively spliced somatostatin receptor 2 isoforms (sst2A and sst2B) in rat spinal cord. Neuroscience Letters, 1998, 257, 37-40.	2.1	41
102	Somatostatin mediates nitric oxide production by activating sst2 receptors in the rat retina. Neuropharmacology, 2002, 43, 899-909.	4.1	41
103	Biomedical ontologies: What part-of is and isnâ€™t. Journal of Biomedical Informatics, 2006, 39, 350-361.	4.3	41
104	Different mechanisms of homologous and heterologous Î¼â€opioid receptor phosphorylation. British Journal of Pharmacology, 2015, 172, 311-316.	5.4	41
105	CXC Chemokine Receptor 7 (CXCR7) Regulates CXCR4 Protein Expression and Capillary Tuft Development in Mouse Kidney. PLoS ONE, 2012, 7, e42814.	2.5	40
106	Role of Phosphorylation Sites in Desensitization of<i>Âµ</i>-Opioid Receptor. Molecular Pharmacology, 2015, 88, 825-835.	2.3	40
107	Trifunctional somatostatin-based derivatives designed for targeted radiotherapy using auger electron emitters. Journal of Nuclear Medicine, 2005, 46, 2097-103.	5.0	40
108	Somatostatin and its 2A Receptor in Dorsal Root Ganglia and Dorsal Horn of Mouse and Human: Expression, Trafficking and Possible Role in Pain. Molecular Pain, 2014, 10, 1744-8069-10-12.	2.1	39

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109	Design, Synthesis, and Biological Evaluation of Somatostatin-Based Radiopeptides. Chemistry and Biology, 2006, 13, 1081-1090.	6.0	38
110	Critical role of somatostatin receptor 2 in the vulnerability of the central noradrenergic system: new aspects on Alzheimerâ€™s disease. Acta Neuropathologica, 2015, 129, 541-563.	7.7	36
111	Agonist-selective NOP receptor phosphorylation correlates in vitro and in vivo and reveals differential post-activation signaling by chemically diverse agonists. Science Signaling, 2019, 12, .	3.6	36
112	Differential expression and prognostic value of the chemokine receptor CXCR4 in bronchopulmonary neuroendocrine neoplasms. Oncotarget, 2015, 6, 3346-3358.	1.8	36
113	Protective effects of cortistatin (CST-14) against kainate-induced neurotoxicity in rat brain. Brain Research, 1998, 803, 54-60.	2.2	35
114	Loss of locomotor sensitisation in response to morphine in D1 receptor deficient mice. Naunyn-Schmiedeberg's Archives of Pharmacology, 2001, 363, 562-568.	3.0	35
115	Rapid Dephosphorylation of G Protein-coupled Receptors by Protein Phosphatase 1Î² Is Required for Termination of Î²-Arrestin-dependent Signaling. Journal of Biological Chemistry, 2011, 286, 32931-32936.	3.4	34
116	Differential somatostatin and CXCR4 chemokine receptor expression in MALT-type lymphoma of gastric and extragastric origin. Journal of Cancer Research and Clinical Oncology, 2016, 142, 2239-2247.	2.5	33
117	A Switch of G Protein-Coupled Receptor Binding Preference from Phosphoinositide 3-Kinase (PI3K)â€“p85 to Filamin A Negatively Controls the PI3K Pathway. Molecular and Cellular Biology, 2012, 32, 1004-1016.	2.3	32
118	The COMMD3/8 complex determines GRK6 specificity for chemoattractant receptors. Journal of Experimental Medicine, 2019, 216, 1630-1647.	8.5	32
119	Design of a multiple slice interface chamber and application for resolving the temporal pattern of CREB phosphorylation in hippocampal long-term potentiation. Journal of Neuroscience Methods, 1997, 78, 173-179.	2.5	31
120	Interaction of the human somatostatin receptor 3 with the multiple PDZ domain protein MUPP1 enables somatostatin to control permeability of epithelial tight junctions. FEBS Letters, 2009, 583, 49-54.	2.8	31
121	Potent anti-inflammatory and antinociceptive activity of the endothelin receptor antagonist bosentan in monoarthritic mice. Arthritis Research and Therapy, 2011, 13, R97.	3.5	31
122	Inhibition by compactin demonstrates a requirement of isoprenoid metabolism for long-term potentiation in rat hippocampal slices. Neuroscience, 1997, 79, 341-346.	2.3	30
123	Leptin-Target Neurones of the Rat Hypothalamus Express Somatostatin Receptors. Journal of Neuroendocrinology, 2003, 15, 822-830.	2.6	30
124	Differential Expression of sst₁, sst_{2A}, and sst₃Somatostatin Receptor Proteins in Low-Grade and High-Grade Astrocytomas. Journal of Neuropathology and Experimental Neurology, 2004, 63, 13-19.	1.7	30
125	Phosphorylation of Threonine 333 Regulates Trafficking of the Human sst5 Somatostatin Receptor. Molecular Endocrinology, 2013, 27, 671-682.	3.7	30
126	Cell-Autonomous Regulation of Mu-Opioid Receptor Recycling by Substance P. Cell Reports, 2015, 10, 1925-1936.	6.4	30

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127	Mechanisms of somatostatin-evoked responses in neurons of the rat lateral amygdala. European Journal of Neuroscience, 2005, 21, 755-762.	2.6	29
128	CXCL14 is no direct modulator of CXCR4. FEBS Letters, 2014, 588, 4769-4775.	2.8	29
129	Agonist-induced phosphorylation bar code and differential post-activation signaling of the delta opioid receptor revealed by phosphosite-specific antibodies. Scientific Reports, 2020, 10, 8585.	3.3	29
130	Immunohistochemical Detection of Somatostatin Receptors in Human Ovarian Tumors. Gynecologic Oncology, 2002, 84, 235-240.	1.4	28
131	Modulation of Î¼-opioid receptor desensitization in peripheral sensory neurons by phosphoinositide 3-kinase Î³. Neuroscience, 2010, 169, 449-454.	2.3	28
132	UMB-3, a novel rabbit monoclonal antibody, for assessing Î¼-opioid receptor expression in mouse, rat and human formalin-fixed and paraffin-embedded tissues. Regulatory Peptides, 2011, 167, 9-13.	1.9	28
133	Research Resource: Real-Time Analysis of Somatostatin and Dopamine Receptor Signaling in Pituitary Cells Using a Fluorescence-Based Membrane Potential Assay. Molecular Endocrinology, 2016, 30, 479-490.	3.7	28
134	Vascular CXCR4 Expression â€“ a Novel Antiangiogenic Target in Gastric Cancer?. PLoS ONE, 2010, 5, e10087.	2.5	28
135	Inhibitory Role of the Somatostatin Receptor SST2 on the Intracrine-regulated Cell Proliferation Induced by the 210-Amino Acid Fibroblast Growth Factor-2 Isoform. Journal of Biological Chemistry, 2003, 278, 20574-20581.	3.4	27
136	Structural Determinants of Agonist-Selective Signaling at the sst2A Somatostatin Receptor. Molecular Endocrinology, 2011, 25, 859-866.	3.7	27
137	Emerging Paradigms of G Protein-Coupled Receptor Dephosphorylation. Trends in Pharmacological Sciences, 2017, 38, 621-636.	8.7	27
138	Perillic Acid Inhibits Ras/MAPkinase-Driven IL-2 Production in Human T Lymphocytes. Biochemical and Biophysical Research Communications, 1997, 241, 720-725.	2.1	26
139	Hormonal regulation of neonatal weight: placental leptin and leptin receptors. BJOG: an International Journal of Obstetrics and Gynaecology, 2000, 107, 1486-1491.	2.3	26
140	Immunohistochemical Determination of Somatostatin Receptor Subtypes 1, 2A, 3, 4, and 5 in Various Adrenal Tumors. Endocrine Research, 2004, 30, 931-934.	1.2	26
141	Immunolocalization of Full-length NK1 Tachykinin Receptors in Human Tumors. Journal of Histochemistry and Cytochemistry, 2006, 54, 1015-1020.	2.5	26
142	Somatostatin and CXCR4 chemokine receptor expression in hepatocellular and cholangiocellular carcinomas: tumor capillaries as promising targets. BMC Cancer, 2017, 17, 896.	2.6	26
143	Immunohistochemical detection of bombesin receptor subtypes GRP-R and BRS-3 in human tumors using novel antipeptide antibodies. Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin, 2006, 449, 421-427.	2.8	25
144	Association of Somatostatin Receptor 2 Immunohistochemical Expression with [¹¹¹In]-DTPA Octreotide Scintigraphy and [⁶⁸Ga]-DOTATOC PET/CT in Neuroendocrine Tumors. Hormone and Metabolic Research, 2010, 42, 599-606.	1.5	25

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145	Evaluation of somatostatin, CXCR4 chemokine and endothelin A receptor expression in a large set of paragangliomas. Oncotarget, 2017, 8, 89958-89969.	1.8	25
146	Reevaluation of sst1 somatostatin receptor expression in human normal and neoplastic tissues using the novel rabbit monoclonal antibody UMB-7. Regulatory Peptides, 2013, 183, 1-6.	1.9	24
147	Expression and Function of Somatostatin Receptors in Peripheral Nerve Sheath Tumors. Journal of Neuropathology and Experimental Neurology, 2005, 64, 1080-1088.	1.7	23
148	High KIT and PDGFRA are associated with shorter patients survival in gastroenteropancreatic neuroendocrine tumors, but mutations are a rare event. Journal of Cancer Research and Clinical Oncology, 2012, 138, 397-403.	2.5	23
149	Protein kinase C-mediated mu-opioid receptor phosphorylation and desensitization in rats, and its prevention during early diabetes. Pain, 2016, 157, 910-921.	4.2	23
150	Determination of sites of U50,488H-promoted phosphorylation of the mouse Îº opioid receptor (KOPR): disconnect between KOPR phosphorylation and internalization. Biochemical Journal, 2016, 473, 497-508.	3.7	23
151	Neuropeptide S precursor knockout mice display memory and arousal deficits. European Journal of Neuroscience, 2017, 46, 1689-1700.	2.6	23
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