Stefano Thellung

List of Publications by Year
in descending order

77 papers	2,726 citations	147726 31 h-index	206029 48 g-index
77 all docs	77 docs citations	77 times ranked	3271 citing authors

#	Article	IF	Citations
1	Somatostatin Inhibits Tumor Angiogenesis and Growth via Somatostatin Receptor-3-Mediated Regulation of Endothelial Nitric Oxide Synthase and Mitogen-Activated Protein Kinase Activities. Endocrinology, 2003, 144, 1574-1584.	1.4	160
2	Drug-repositioning opportunities for cancer therapy: novel molecular targets for known compounds. Drug Discovery Today, 2016, 21, 190-199.	3.2	117
3	Peptide Receptor Targeting in Cancer: The Somatostatin Paradigm. International Journal of Peptides, 2013, 2013, 1-20.	0.7	102
4	Somatostatin controls Kaposi's sarcoma tumor growth through inhibition of angiogenesis. FASEB Journal, 1999, 13, 647-655.	0.2	101
5	Expression of Somatostatin Receptor mRNA in Human Meningiomas and their Implication in in vitro Antiproliferative Activity. Journal of Neuro-Oncology, 2004, 66, 155-166.	1.4	87
6	Autophagy Activator Drugs: A New Opportunity in Neuroprotection from Misfolded Protein Toxicity. International Journal of Molecular Sciences, 2019, 20, 901.	1.8	81
7	Somatostatin and its analog lanreotide inhibit the proliferation of dispersed human non-functioning pituitary adenoma cells in vitro. European Journal of Endocrinology, 1999, 141, 396-408.	1.9	75
8	Polydeoxyribonucleotides enhance the proliferation of human skin fibroblasts: Involvement of A2 purinergic receptor subtypes. Life Sciences, 1999, 64, 1661-1674.	2.0	74
9	Prion protein fragment 106-126 induces apoptotic cell death and impairment of L-type voltage-sensitive calcium channel activity in the GH3 cell line. , 1998, 54, 341-352.		73
10	Release-Regulating Serotonin 5-HT1DAutoreceptors in Human Cerebral Cortex. Journal of Neurochemistry, 1993, 60, 1179-1182.	2.1	65
11	Apoptotic Cell Death and Impairment of L-Type Voltage-Sensitive Calcium Channel Activity in Rat Cerebellar Granule Cells Treated with the Prion Protein Fragment 106â€“126. Neurobiology of Disease, 2000, 7, 299-309.	2.1	64
12	P2X₇ preâ€synaptic receptors in adult rat cerebrocortical nerve terminals: a role in ATPâ€induced glutamate release. Journal of Neurochemistry, 2008, 105, 2330-2342.	2.1	63
13	p38 MAP Kinase Mediates the Cell Death Induced by PrP106â€“126 in the SH-SY5Y Neuroblastoma Cells. Neurobiology of Disease, 2002, 9, 69-81.	2.1	59
14	Somatostatin receptor 1 (SSTR1)-mediated inhibition of cell proliferation correlates with the activation of the MAP kinase cascade: role of the phosphotyrosine phosphatase SHP-2. Journal of Physiology (Paris), 2000, 94, 239-250.	2.1	56
15	Intracellular mechanisms mediating the neuronal death and astrogliosis induced by the prion protein fragment 106â€“126. International Journal of Developmental Neuroscience, 2000, 18, 481-492.	0.7	56
16	Neurodegeneration in Alzheimer Disease: Role of Amyloid Precursor Protein and Presenilin 1 Intracellular Signaling. Journal of Toxicology, 2012, 2012, 1-13.	1.4	56
17	Cellular prion protein controls stem cell-like properties of human glioblastoma tumor-initiating cells. Oncotarget, 2016, 7, 38638-38657.	0.8	53
18	The Activation of the Phosphotyrosine Phosphatase Î· (r-PTPÎ·) Is Responsible for the Somatostatin Inhibition of PC Cl3 Thyroid Cell Proliferation. Molecular Endocrinology, 2001, 15, 1838-1852.	3.7	49

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19	Chemokine Stromal Cell-Derived Factor 1Î± Induces Proliferation and Growth Hormone Release in GH4C1 Rat Pituitary Adenoma Cell Line through Multiple Intracellular Signals. Molecular Pharmacology, 2006, 69, 539-546.	1.0	49
20	Characterization of the intracellular mechanisms mediating somatostatin and lanreotide inhibition of DNA synthesis and growth hormone release from dispersed human GH-secreting pituitary adenoma cells in vitro. Clinical Endocrinology, 2003, 59, 115-128.	1.2	48
21	TGF-?1 prevents gp120-induced impairment of Ca2+ homeostasis and rescues cortical neurons from apoptotic death. , 1997, 49, 600-607.		47
22	Prion Protein Fragment 106-126 Induces a p38 MAP Kinase-Dependent Apoptosis in SH-SY5Y Neuroblastoma Cells Independently from the Amyloid Fibril Formation. Annals of the New York Academy of Sciences, 2003, 1010, 610-622.	1.8	47
23	In vitro and in vivo antiproliferative activity of metformin on stem-like cells isolated from spontaneous canine mammary carcinomas: translational implications for human tumors. BMC Cancer, 2015, 15, 228.	1.1	47
24	Identification of a Conserved N-Capping Box Important for the Structural Autonomy of the Prion Î±3-Helix: The Disease Associated D202N Mutation Destabilizes the Helical Conformation. International Journal of Immunopathology and Pharmacology, 2005, 18, 95-112.	1.0	41
25	Pharmacological activation of autophagy favors the clearing of intracellular aggregates of misfolded prion protein peptide to prevent neuronal death. Cell Death and Disease, 2018, 9, 166.	2.7	38
26	Role of Prion Protein Aggregation in Neurotoxicity. International Journal of Molecular Sciences, 2012, 13, 8648-8669.	1.8	37
27	Ruta graveolens L. Induces Death of Glioblastoma Cells and Neural Progenitors, but Not of Neurons, via ERK 1/2 and AKT Activation. PLoS ONE, 2015, 10, e0118864.	1.1	37
28	Multiple biochemical similarities between infectious and nonâ€infectious aggregates of a prion protein carrying an octapeptide insertion. Journal of Neurochemistry, 2008, 104, 1293-1308.	2.1	34
29	SDF-1 Controls Pituitary Cell Proliferation through the Activation of ERK1/2 and the Ca2+-Dependent, Cytosolic Tyrosine Kinase Pyk2. Annals of the New York Academy of Sciences, 2006, 1090, 385-398.	1.8	33
30	High hydrophobic amino acid exposure is responsible of the neurotoxic effects induced by E200K or D202N disease-related mutations of the human prion protein. International Journal of Biochemistry and Cell Biology, 2011, 43, 372-382.	1.2	33
31	A novel mechanism for the melatonin inhibition of testosterone secretion by rat Leydig cells: reduction of GnRH-induced increase in cytosolic Ca2+. Journal of Molecular Endocrinology, 1999, 23, 299-306.	1.1	32
32	Basic Fibroblast Growth Factor Activates Endothelial Nitric-Oxide Synthase in CHO-K1 Cells via the Activation of Ceramide Synthesis. Molecular Pharmacology, 2003, 63, 297-310.	1.0	32
33	ERK1/2 and p38 MAP kinases control prion protein fragment 90â€“231â€induced astrocyte proliferation and microglia activation. Glia, 2007, 55, 1469-1485.	2.5	32
34	Expression in E. coli and purification of recombinant fragments of wild type and mutant human prion protein. Neurochemistry International, 2002, 41, 55-63.	1.9	31
35	Dual Modulation of ERK1/2 and p38 MAP Kinase Activities Induced by Minocycline Reverses the Neurotoxic Effects of the Prion Protein Fragment 90â€“231. Neurotoxicity Research, 2009, 15, 138-154.	1.3	31
36	Efficacy of Novel Acridine Derivatives in the Inhibition of hPrP90-231 Prion Protein Fragment Toxicity. Neurotoxicity Research, 2011, 19, 556-574.	1.3	31

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37	Conformation Dependent Pro-Apoptotic Activity of the Recombinant Human Prion Protein Fragment 90-231. International Journal of Immunopathology and Pharmacology, 2006, 19, 339-356.	1.0	30
38	Human PrP90-231-induced cell death is associated with intracellular accumulation of insoluble and protease-resistant macroaggregates and lysosomal dysfunction. Cell Death and Disease, 2011, 2, e138-e138.	2.7	30
39	In vitro and in vivo characterization of stem-like cells from canine osteosarcoma and assessment of drug sensitivity. Experimental Cell Research, 2018, 363, 48-64.	1.2	30
40	The Activation of the Phosphotyrosine Phosphatase Â (r-PTPÂ) Is Responsible for the Somatostatin Inhibition of PC Cl3 Thyroid Cell Proliferation. Molecular Endocrinology, 2001, 15, 1838-1852.	3.7	29
41	Drug design strategies focusing on the CXCR4/CXCR7/CXCL12 pathway in leukemia and lymphoma. Expert Opinion on Drug Discovery, 2016, 11, 1093-1109.	2.5	28
42	Intracellular accumulation of a mild-denatured monomer of the human PrP fragment 90â€“231, as possible mechanism of its neurotoxic effects. Journal of Neurochemistry, 2007, 103, 071018045431007-???.	2.1	27
43	Biological and Biochemical Basis of the Differential Efficacy of First and Second Generation Somatostatin Receptor Ligands in Neuroendocrine Neoplasms. International Journal of Molecular Sciences, 2019, 20, 3940.	1.8	26
44	Isolation of stem-like cells from spontaneous feline mammary carcinomas: Phenotypic characterization and tumorigenic potential. Experimental Cell Research, 2012, 318, 847-860.	1.2	25
45	Celecoxib Inhibits Prion Protein 90-231-Mediated Pro-inflammatory Responses in Microglial Cells. Molecular Neurobiology, 2016, 53, 57-72.	1.9	25
46	Novel celecoxib analogues inhibit glial production of prostaglandin E2, nitric oxide, and oxygen radicals reverting the neuroinflammatory responses induced by misfolded prion protein fragment 90-231 or lipopolysaccharide. Pharmacological Research, 2016, 113, 500-514.	3.1	22
47	Experimental Evidence and Clinical Implications of Pituitary Adenoma Stem Cells. Frontiers in Endocrinology, 2020, 11, 54.	1.5	22
48	Excitotoxicity Through NMDA Receptors Mediates Cerebellar Granule Neuron Apoptosis Induced by Prion Protein 90-231 Fragment. Neurotoxicity Research, 2013, 23, 301-314.	1.3	21
49	Oncogene Transformation of PC Cl3 Clonal Thyroid Cell Line Induces an Autonomous Pattern of Proliferation That Correlates with a Loss of Basal and Stimulated Phosphotyrosine Phosphatase Activity*. Endocrinology, 1997, 138, 3756-3763.	1.4	19
50	Characterization of two central AMPA-preferring receptors having distinct location, function and pharmacology. Naunyn-Schmiedeberg's Archives of Pharmacology, 1994, 349, 555-558.	1.4	18
51	Emerging Targets in Pituitary Adenomas: Role of the CXCL12/CXCR4-R7 System. International Journal of Endocrinology, 2014, 2014, 1-16.	0.6	18
52	Amyloid Precursor Protein Modulates ERK-1 and -2 Signaling. Annals of the New York Academy of Sciences, 2006, 1090, 455-465.	1.8	17
53	In vitro study of uptake and synthesis of creatine and its precursors by cerebellar granule cells and astrocytes suggests some hypotheses on the physiopathology of the inherited disorders of creatine metabolism. BMC Neuroscience, 2012, 13, 41.	0.8	17
54	Different structural stability and toxicity of PrPARRand PrPARQsheep prion protein variants. Journal of Neurochemistry, 2007, 103, 2291-2300.	2.1	16

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55	CXCR4 expression in feline mammary carcinoma cells: evidence of a proliferative role for the SDF-1/CXCR4 axis. BMC Veterinary Research, 2012, 8, 27.	0.7	16
56	Pattern of Distribution of Calcitonin Gene-Related Peptide in the Dorsal Root Ganglion of Animal Models of Diabetes Mellitus. Annals of the New York Academy of Sciences, 2006, 1084, 296-303.	1.8	15
57	Amyloid Precursor Protein and Presenilin 1 Interaction Studied by FRET in Human H4 Cells. Annals of the New York Academy of Sciences, 2007, 1096, 249-257.	1.8	15
58	Amino-Terminally Truncated Prion Protein PrP90-231 Induces Microglial Activation in Vitro. Annals of the New York Academy of Sciences, 2007, 1096, 258-270.	1.8	15
59	Characterization of the Proapoptotic Intracellular Mechanisms Induced by a Toxic Conformer of the Recombinant Human Prion Protein Fragment 90-231. Annals of the New York Academy of Sciences, 2006, 1090, 276-291.	1.8	15
60	Chloride intracellular channel 1 activity is not required for glioblastoma development but its inhibition dictates glioma stem cell responsivity to novel biguanide derivatives. Journal of Experimental and Clinical Cancer Research, 2022, 41, 53.	3.5	15
61	Calcium Binding Promotes Prion Protein Fragment 90â€“231 Conformational Change toward a Membrane Destabilizing and Cytotoxic Structure. PLoS ONE, 2012, 7, e38314.	1.1	14
62	<i>In Silico</i> Identification and Experimental Validation of Novel Anti-Alzheimerâ€™s Multitargeted Ligands from a Marine Source Featuring a â€œ2-Aminoimidazole plus Aromatic Groupâ€•Scaffold. ACS Chemical Neuroscience, 2018, 9, 1290-1303.	1.7	14
63	INTRACELLULAR TRANSDUCING MECHANISMS COUPLED TO BRAIN SOMATOSTATIN RECEPTORS. Pharmacological Research, 1996, 33, 297-305.	3.1	12
64	Nitric Oxide Production Stimulated by the Basic Fibroblast Growth Factor Requires the Synthesis of Ceramide. Annals of the New York Academy of Sciences, 2002, 973, 94-104.	1.8	12
65	Molecular Pharmacology of Malignant Pleural Mesothelioma: Challenges and Perspectives From Preclinical and Clinical Studies. Current Drug Targets, 2016, 17, 824-849.	1.0	12
66	Effect of nitric oxide donors on GABA uptake by rat brain synaptosomes. Neurochemical Research, 1997, 22, 1517-1521.	1.6	11
67	Emerging Role of Cellular Prion Protein in the Maintenance and Expansion of Glioma Stem Cells. Cells, 2019, 8, 1458.	1.8	11
68	The Chemokine SDF1/CXCL12: A Novel Autocrine/Paracrine Factor Involved In Pituitary Adenoma Development. Open Neuroendocrinology Journal (Online), 2011, 4, 64-76.	0.4	11
69	Serotonergic inhibition of the mossy fibre?granule cell glutamate transmission in rat cerebellar slices. Naunyn-Schmiedeberg's Archives of Pharmacology, 1993, 348, 347-51.	1.4	9
70	Recombinant Human Prion Protein Fragment 90â€“231, a Useful Model to Study Prion Neurotoxicity. OMICS A Journal of Integrative Biology, 2012, 16, 50-59.	1.0	9
71	MCM2 and Carbonic Anhydrase 9 Are Novel Potential Targets for Neuroblastoma Pharmacological Treatment. Biomedicines, 2020, 8, 471.	1.4	9
72	Oncogene Transformation of PC Cl3 Clonal Thyroid Cell Line Induces an Autonomous Pattern of Proliferation That Correlates with a Loss of Basal and Stimulated Phosphotyrosine Phosphatase Activity. Endocrinology, 1997, 138, 3756-3763.	1.4	9

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73	Different Molecular Mechanisms Mediate Direct or Glia-Dependent Prion Protein Fragment 90â€“231 Neurotoxic Effects in Cerebellar Granule Neurons. Neurotoxicity Research, 2017, 32, 381-397.	1.3	5
74	Identification of the hydantoin alkaloids parazoanthines as novel CXCR4 antagonists by computational and in vitro functional characterization. Bioorganic Chemistry, 2020, 105, 104337.	2.0	4
75	Prolonged treatment with Î±-glycerylphosphorylethanolamine facilitates the acquisition of an active avoidance behavior and selectively increases neuronal signal transduction in rats. Aging Clinical and Experimental Research, 1999, 11, 335-342.	1.4	2
76	Ca(2+)-ATPase pump forms and an endogenous inhibitor in bovine brain synaptosomes. Neurochemical Research, 1997, 22, 297-304.	1.6	0
77	Molecular Mechanisms Mediating Neuronal Cell Death in Experimental Models of Prion Diseases, in vitro. , 2005, , 273-297.		0