

Hermann M Schtzi

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/9561914/hermann-m-schatzl-publications-by-year.pdf>

Version: 2024-04-10

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	11,039 citations	34 h-index	104 g-index
135 ext. papers	12,159 ext. citations	6.1 avg, IF	5.21 L-index

#	Paper	IF	Citations
128	Astrocyte in prion disease: a double-edged sword.. <i>Neural Regeneration Research</i> , 2022 , 17, 1659-1665	4.5	1
127	Viren mit einzelsträngigem RNA-Genom in Plusstrangorientierung 2021 , 163-321		
126	Ligands binding to the prion protein induce its proteolytic release with therapeutic potential in neurodegenerative proteinopathies. <i>Science Advances</i> , 2021 , 7, eabj1826	14.3	4
125	Prionen 2021 , 797-816		
124	Polymorphisms in glia maturation factor 7 gene are markers of cellulose ether effectiveness in prion-infected mice. <i>Biochemical and Biophysical Research Communications</i> , 2021 , 560, 105-111	3.4	2
123	Early detection of prion protein aggregation with a fluorescent pentameric oligothiophene probe using spectral confocal microscopy. <i>Journal of Neurochemistry</i> , 2021 , 156, 1033-1048	6	1
122	Cervid Prion Protein Polymorphisms: Role in Chronic Wasting Disease Pathogenesis. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	11
121	Sephin1 Reduces Prion Infection in Prion-Infected Cells and Animal Model. <i>Molecular Neurobiology</i> , 2020 , 57, 2206-2219	6.2	7
120	Cellulose ether treatment in vivo generates chronic wasting disease prions with reduced protease resistance and delayed disease progression. <i>Journal of Neurochemistry</i> , 2020 , 152, 727-740	6	9
119	Metformin reduces prion infection in neuronal cells by enhancing autophagy. <i>Biochemical and Biophysical Research Communications</i> , 2020 , 523, 423-428	3.4	8
118	An astrocyte cell line that differentially propagates murine prions. <i>Journal of Biological Chemistry</i> , 2020 , 295, 11572-11583	5.4	10
117	From Seeds to Fibrils and Back: Fragmentation as an Overlooked Step in the Propagation of Prions and Prion-Like Proteins. <i>Biomolecules</i> , 2020 , 10,	5.9	1
116	Combining autophagy stimulators and cellulose ethers for therapy against prion disease. <i>Prion</i> , 2019 , 13, 185-196	2.3	14
115	Autophagy pathways in the treatment of prion diseases. <i>Current Opinion in Pharmacology</i> , 2019 , 44, 46-52	3.1	17
114	Gene-edited murine cell lines for propagation of chronic wasting disease prions. <i>Scientific Reports</i> , 2019 , 9, 11151	4.9	10
113	Preparation and Characterization of Cellulose Ether Liposomes for the Inhibition of Prion Formation in Prion-Infected Cells. <i>Journal of Pharmaceutical Sciences</i> , 2019 , 108, 2814-2820	3.9	6
112	Dimerization of the cellular prion protein inhibits propagation of scrapie prions. <i>Journal of Biological Chemistry</i> , 2018 , 293, 8020-8031	5.4	9

111	Autophagy regulates exosomal release of prions in neuronal cells. <i>Journal of Biological Chemistry</i> , 2018 , 293, 8956-8968	5.4	65
110	Disulfide-crosslink scanning reveals prion-induced conformational changes and prion strain-specific structures of the pathological prion protein PrP. <i>Journal of Biological Chemistry</i> , 2018 , 293, 12730-12740	5.4	1
109	The autophagy inducers AR-12 and AR-14 control prion infection. <i>FASEB Journal</i> , 2018 , 32, 795.5	0.9	
108	Recombinant prion protein vaccination of transgenic elk PrP mice and reindeer overcomes self-tolerance and protects mice against chronic wasting disease. <i>Journal of Biological Chemistry</i> , 2018 , 293, 19812-19822	5.4	10
107	Overexpression of quality control proteins reduces prion conversion in prion-infected cells. <i>Journal of Biological Chemistry</i> , 2018 , 293, 16069-16082	5.4	9
106	Immunization of cervidized transgenic mice with multimeric deer prion protein induces self-antibodies that antagonize chronic wasting disease infectivity in vitro. <i>Scientific Reports</i> , 2017 , 7, 10538	4.9	8
105	Prion strains depend on different endocytic routes for productive infection. <i>Scientific Reports</i> , 2017 , 7, 6923	4.9	21
104	The celecoxib derivatives AR-12 and AR-14 induce autophagy and clear prion-infected cells from prions. <i>Scientific Reports</i> , 2017 , 7, 17565	4.9	21
103	Endemic chronic wasting disease causes mule deer population decline in Wyoming. <i>PLoS ONE</i> , 2017 , 12, e0186512	3.7	48
102	Chronic wasting disease: Emerging prions and their potential risk. <i>PLoS Pathogens</i> , 2017 , 13, e1006619	7.6	40
101	Prion infection impairs lysosomal degradation capacity by interfering with rab7 membrane attachment in neuronal cells. <i>Scientific Reports</i> , 2016 , 6, 21658	4.9	23
100	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016 , 12, 1-222	10.2	3838
99	LRP/LR Antibody Mediated Rescuing of Amyloid- β -Induced Cytotoxicity is Dependent on PrP ^C in Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2016 , 49, 645-57	4.3	19
98	Modulation of Glycosaminoglycans Affects PrP ^{Sc} Metabolism but Does Not Block PrP ^{Sc} Uptake. <i>Journal of Virology</i> , 2015 , 89, 9853-64	6.6	11
97	Piperazine derivatives inhibit PrP/PrP(res) propagation in vitro and in vivo. <i>Biochemical and Biophysical Research Communications</i> , 2014 , 445, 23-9	3.4	8
96	Small-scale Triton X-114 Extraction of Hydrophobic Proteins. <i>Bio-protocol</i> , 2014 , 4,	0.9	11
95	Assessing proteinase K resistance of fish prion proteins in a scrapie-infected mouse neuroblastoma cell line. <i>Viruses</i> , 2014 , 6, 4398-421	6.2	5
94	Small-scale Subcellular Fractionation with Sucrose Step Gradient. <i>Bio-protocol</i> , 2014 , 4,	0.9	1

93	Identifying critical sites of PrP(c)-PrP(Sc) interaction in prion-infected cells by dominant-negative inhibition. <i>Prion</i> , 2013 , 7, 452-6	2.3	4
92	Critical significance of the region between Helix 1 and 2 for efficient dominant-negative inhibition by conversion-incompetent prion protein. <i>PLoS Pathogens</i> , 2013 , 9, e1003466	7.6	13
91	Early detection of chronic wasting disease prions in urine of pre-symptomatic deer by real-time quaking-induced conversion assay. <i>Prion</i> , 2013 , 7, 253-8	2.3	59
90	Molecular Virology 2013 ,		12
89	Cell-to-cell propagation of infectious cytosolic protein aggregates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 5951-6	11.5	38
88	Introducing a rigid loop structure from deer into mouse prion protein increases its propensity for misfolding in vitro. <i>PLoS ONE</i> , 2013 , 8, e66715	3.7	10
87	Cellular Mechanisms of Propagation and Clearance 2013 , 147-160		0
86	Prions 2013 , 919-947		
85	Parvovirus B19 and necrotizing enterocolitis in neonates. <i>Journal of Pediatrics</i> , 2012 , 160, 887; author reply 887-8	3.6	
84	Failure of prion protein oxidative folding guides the formation of toxic transmembrane forms. <i>Journal of Biological Chemistry</i> , 2012 , 287, 36693-701	5.4	11
83	A genome-wide survey for prion-regulated miRNAs associated with cholesterol homeostasis. <i>BMC Genomics</i> , 2012 , 13, 486	4.5	10
82	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012 , 8, 445-544.2	4.2	2783
81	Detection of PrP(Sc) in peripheral tissues of clinically affected cattle after oral challenge with bovine spongiform encephalopathy. <i>Journal of General Virology</i> , 2012 , 93, 2740-2748	4.9	27
80	Severe acute respiratory syndrome coronavirus replication is severely impaired by MG132 due to proteasome-independent inhibition of M-calpain. <i>Journal of Virology</i> , 2012 , 86, 10112-22	6.6	101
79	From high-throughput cell culture screening to mouse model: identification of new inhibitor classes against prion disease. <i>ChemMedChem</i> , 2011 , 6, 1928-37	3.7	18
78	Conditional modulation of membrane protein expression in cultured cells mediated by prion protein recognition of short phosphorothioate oligodeoxynucleotides. <i>Journal of Biological Chemistry</i> , 2011 , 286, 6911-7	5.4	5
77	Proteasomal dysfunction and endoplasmic reticulum stress enhance trafficking of prion protein aggregates through the secretory pathway and increase accumulation of pathologic prion protein. <i>Journal of Biological Chemistry</i> , 2011 , 286, 33942-53	5.4	48
76	Diphenylpyrazole-derived compounds increase survival time of mice after prion infection. <i>Antimicrobial Agents and Chemotherapy</i> , 2011 , 55, 4774-81	5.9	11

75	Chronic wasting disease. <i>Topics in Current Chemistry</i> , 2011 , 305, 51-77		58
74	GABAA receptor subunit beta1 is involved in the formation of protease-resistant prion protein in prion-infected neuroblastoma cells. <i>FEBS Letters</i> , 2010 , 584, 1193-8	3.8	4
73	Elevated Epstein-Barr virus loads and lower antibody titers in competitive athletes. <i>Journal of Medical Virology</i> , 2010 , 82, 446-51	19.7	14
72	Isolated norovirus GII.7 strain within an extended GII.4 outbreak. <i>Journal of Medical Virology</i> , 2010 , 82, 1058-64	19.7	8
71	Modulation of Host Cell Death by SARS Coronavirus Proteins 2010 , 231-245		5
70	Prionen 2010 , 667-685		
69	Autophagy, prion infection and their mutual interactions. <i>Current Issues in Molecular Biology</i> , 2010 , 12, 87-97	2.9	78
68	Therapy in prion diseases: from molecular and cellular biology to therapeutic targets. <i>Infectious Disorders - Drug Targets</i> , 2009 , 9, 3-14	1.1	18
67	The yeast Sup35NM domain propagates as a prion in mammalian cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 462-7	11.5	54
66	Prion-induced activation of cholesterologenic gene expression by Srebp2 in neuronal cells. <i>Journal of Biological Chemistry</i> , 2009 , 284, 31260-9	5.4	28
65	Prion-like propagation of cytosolic protein aggregates: insights from cell culture models. <i>Prion</i> , 2009 , 3, 206-12	2.3	33
64	Aptamers against prion proteins and prions. <i>Cellular and Molecular Life Sciences</i> , 2009 , 66, 2445-55	10.3	26
63	Inhibition of cholesterol recycling impairs cellular PrP(Sc) propagation. <i>Cellular and Molecular Life Sciences</i> , 2009 , 66, 3979-91	10.3	32
62	Lithium induces clearance of protease resistant prion protein in prion-infected cells by induction of autophagy. <i>Journal of Neurochemistry</i> , 2009 , 109, 25-34	6	155
61	Autophagy induction by trehalose counteracts cellular prion infection. <i>Autophagy</i> , 2009 , 5, 361-9	10.2	178
60	Inhibition of prion amplification by expression of dominant inhibitory mutants--a systematic insertion mutagenesis study. <i>Infectious Disorders - Drug Targets</i> , 2009 , 9, 40-7	1.1	6
59	The octarepeat region of prion protein, but not the TM1 domain, is important for the antioxidant effect of prion protein. <i>Free Radical Biology and Medicine</i> , 2008 , 45, 1622-30	7.8	12
58	Neuroendocrine cultured cells counteract persistent prion infection by down-regulation of PrPc. <i>Molecular and Cellular Neurosciences</i> , 2008 , 38, 98-109	4.8	5

57	Cell type-specific cleavage of nucleocapsid protein by effector caspases during SARS coronavirus infection. <i>Journal of Molecular Biology</i> , 2008 , 376, 23-34	6.5	31
56	A prime-boost vaccination protocol optimizes immune responses against the nucleocapsid protein of the SARS coronavirus. <i>Vaccine</i> , 2008 , 26, 6678-84	4.1	20
55	Therapeutic vaccination reduces HIV sequence variability. <i>FASEB Journal</i> , 2008 , 22, 437-44	0.9	9
54	Dynamic interactions of Sup35p and PrP prion protein domains modulate aggregate nucleation and seeding. <i>Prion</i> , 2008 , 2, 99-106	2.3	10
53	Prion protein/protein interactions: fusion with yeast Sup35p-NM modulates cytosolic PrP aggregation in mammalian cells. <i>FASEB Journal</i> , 2008 , 22, 762-73	0.9	15
52	Targeting prion proteins in neurodegenerative disease. <i>Expert Opinion on Biological Therapy</i> , 2008 , 8, 923-40	5.4	11
51	The novel sorting nexin SNX33 interferes with cellular PrP formation by modulation of PrP shedding. <i>Traffic</i> , 2008 , 9, 1116-29	5.7	22
50	The anticancer drug imatinib induces cellular autophagy. <i>Leukemia</i> , 2007 , 21, 936-42	10.7	189
49	Molecular basis of cerebral neurodegeneration in prion diseases. <i>FEBS Journal</i> , 2007 , 274, 606-11	5.7	27
48	Vaccination with prion peptide-displaying papillomavirus-like particles induces autoantibodies to normal prion protein that interfere with pathologic prion protein production in infected cells. <i>FEBS Journal</i> , 2007 , 274, 1747-58	5.7	32
47	CpG and LPS can interfere negatively with prion clearance in macrophage and microglial cells. <i>FEBS Journal</i> , 2007 , 274, 5834-44	5.7	18
46	Strategies for eliminating PrP(c) as substrate for prion conversion and for enhancing PrP(Sc) degradation. <i>Veterinary Microbiology</i> , 2007 , 123, 377-86	3.3	12
45	The tyrosine kinase inhibitor imatinib mesylate delays prion neuroinvasion by inhibiting prion propagation in the periphery. <i>Journal of NeuroVirology</i> , 2007 , 13, 328-37	3.9	34
44	Antibodies to a nonconjugated prion protein peptide 95-123 interfere with PrP(Sc) propagation in prion-infected cells. <i>Cellular and Molecular Neurobiology</i> , 2007 , 27, 271-84	4.6	11
43	Scrapie infection of prion protein-deficient cell line upon ectopic expression of mutant prion proteins. <i>Journal of Biological Chemistry</i> , 2007 , 282, 18702-10	5.4	31
42	In vitro and in vivo neurotoxicity of prion protein oligomers. <i>PLoS Pathogens</i> , 2007 , 3, e125	7.6	178
41	Polylactide-coglycolide microspheres co-encapsulating recombinant tandem prion protein with CpG-oligonucleotide break self-tolerance to prion protein in wild-type mice and induce CD4 and CD8 T cell responses. <i>Journal of Immunology</i> , 2007 , 179, 2797-807	5.3	42
40	Toxic effects of intracerebral PrP antibody administration during the course of BSE infection in mice. <i>Prion</i> , 2007 , 1, 198-206	2.3	23

39	Concomitant administration of a virosome-adjuvanted hepatitis a vaccine with routine childhood vaccines at age twelve to fifteen months: a randomized controlled trial. <i>Pediatric Infectious Disease Journal</i> , 2007 , 26, 787-93	3.4	29
38	Peptide aptamers expressed in the secretory pathway interfere with cellular PrPSc formation. <i>Journal of Molecular Biology</i> , 2007 , 371, 362-73	6.5	19
37	Evaluation of modified vaccinia virus Ankara as an alternative vaccine against smallpox in chronically HIV type 1-infected individuals undergoing HAART. <i>AIDS Research and Human Retroviruses</i> , 2007 , 23, 782-93	1.6	23
36	Fatal Epstein-Barr virus-associated lymphoproliferative disorder following treatment with a novel mTOR inhibitor for relapsed chronic lymphocytic leukemia leukemia cells. <i>Haematologica</i> , 2007 , 92, 1282-3	6.6	7
35	The first B/G intersubtype recombinant form of human immunodeficiency virus type 1 (HIV-1) identified in Germany was undetected or underquantitated by some commercial viral load assays. <i>Journal of Medical Virology</i> , 2006 , 78, 311-7	19.7	20
34	Prion infection influences murine endogenous retrovirus expression in neuronal cells. <i>Biochemical and Biophysical Research Communications</i> , 2006 , 343, 825-31	3.4	12
33	The prion protein requires cholesterol for cell surface localization. <i>Molecular and Cellular Neurosciences</i> , 2006 , 31, 346-53	4.8	54
32	Charged bipolar suramin derivatives induce aggregation of the prion protein at the cell surface and inhibit PrPSc replication. <i>Journal of Cell Science</i> , 2005 , 118, 4959-73	5.3	31
31	Cell line dependent RNA expression profiles of prion-infected mouse neuronal cells. <i>Journal of Molecular Biology</i> , 2005 , 349, 487-500	6.5	44
30	Ultra-sensitive detection of prion protein fibrils by flow cytometry in blood from cattle affected with bovine spongiform encephalopathy. <i>BMC Biotechnology</i> , 2005 , 5, 26	3.5	25
29	Genomic characterization of a novel HIV type 1 B/G intersubtype recombinant strain from an injecting drug user in Germany. <i>AIDS Research and Human Retroviruses</i> , 2005 , 21, 654-60	1.6	9
28	Insights into the Cellular Trafficking of Prion Proteins 2005 , 379-405		
27	Humoral immune response to native eukaryotic prion protein correlates with anti-prion protection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101 Suppl 2, 14670-6	11.5	96
26	The tyrosine kinase inhibitor STI571 induces cellular clearance of PrPSc in prion-infected cells. <i>Journal of Biological Chemistry</i> , 2004 , 279, 41918-27	5.4	102
25	Glycosylation deficiency at either one of the two glycan attachment sites of cellular prion protein preserves susceptibility to bovine spongiform encephalopathy and scrapie infections. <i>Journal of Biological Chemistry</i> , 2004 , 279, 53306-16	5.4	56
24	Recognition of luminal prion protein aggregates by post-ER quality control mechanisms is mediated by the preoctarepeat region of PrP. <i>Traffic</i> , 2004 , 5, 300-13	5.7	18
23	Polyclonal anti-PrP auto-antibodies induced with dimeric PrP interfere efficiently with PrPSc propagation in prion-infected cells. <i>Journal of Biological Chemistry</i> , 2003 , 278, 18524-31	5.4	90
22	Stability and conformational properties of doppel, a prion-like protein, and its single-disulphide mutant. <i>Biochemical Journal</i> , 2003 , 373, 485-94	3.8	17

21	Prion diseases: from molecular biology to intervention strategies. <i>ChemBioChem</i> , 2003 , 4, 1268-84	3.8	33
20	Promising developments bringing prion diseases closer to therapy and prophylaxis. <i>Trends in Molecular Medicine</i> , 2003 , 9, 367-9	11.5	11
19	Essential role of the prion protein N terminus in subcellular trafficking and half-life of cellular prion protein. <i>Journal of Biological Chemistry</i> , 2003 , 278, 3726-34	5.4	87
18	Prion-protein-specific aptamer reduces PrPSc formation. <i>ChemBioChem</i> , 2002 , 3, 717-25	3.8	128
17	Intracellular re-routing of prion protein prevents propagation of PrP(Sc) and delays onset of prion disease. <i>EMBO Journal</i> , 2001 , 20, 3957-66	13	134
16	PrPC directly interacts with proteins involved in signaling pathways. <i>Journal of Biological Chemistry</i> , 2001 , 276, 44604-12	5.4	164
15	Prominent stress response of Purkinje cells in Creutzfeldt-Jakob disease. <i>Neurobiology of Disease</i> , 2001 , 8, 881-9	7.5	26
14	Analysis of 27 mammalian and 9 avian PrPs reveals high conservation of flexible regions of the prion protein. <i>Journal of Molecular Biology</i> , 1999 , 289, 1163-78	6.5	339
13	Is codon 129 of prion protein polymorphic in human beings but not in animals?. <i>Lancet, The</i> , 1997 , 349, 1603-4	40	42
12	Variability of the Hepatitis B Surface Protein in HBV-Infected Liver Transplant Recipients. <i>Journal of Biomedical Science</i> , 1997 , 4, 146-154	13.3	
11	Variability of the Hepatitis B Surface Protein in HBV-Infected Liver Transplant Recipients. <i>Journal of Biomedical Science</i> , 1997 , 4, 146-154	13.3	8
10	Phylogenetic characterization of simian T lymphotropic virus type I (STLV-I) from the Ethiopian sacred baboon (<i>Papio hamadryas</i>). <i>AIDS Research and Human Retroviruses</i> , 1996 , 12, 255-8	1.6	16
9	Neurotrophic factors: ready to go?. <i>Trends in Neurosciences</i> , 1995 , 18, 463-4	13.3	17
8	Prion protein gene variation among primates. <i>Journal of Molecular Biology</i> , 1995 , 245, 362-74	6.5	276
7	Individuals with antibodies against hepatitis B core antigen as the only serological marker for hepatitis B infection: high percentage of carriers of hepatitis B and C virus. <i>Journal of Hepatology</i> , 1995 , 23, 14-20	13.4	142
6	Quantification of hepatitis B virus DNA over a wide range from serum for studying viral replicative activity in response to treatment and in recurrent infection. <i>Hepatology</i> , 1995 , 21, 1492-1499	11.2	42
5	Prevalence of human T-cell lymphotropic virus infections in Germany. <i>Journal of Medical Virology</i> , 1994 , 43, 159-60	19.7	5
4	The immune response to different doses of inactivated hepatitis A vaccine. <i>Journal of Hepatology</i> , 1993 , 18 Suppl 2, S38-40	13.4	4

3	A seroepidemiological survey of antibodies to HTLV-I/HTLV-II in selected population groups in Paraguay. <i>Scandinavian Journal of Infectious Diseases</i> , 1992 , 24, 397-8		6
2	Vaccination against hepatitis A: comparison of different short-term immunization schedules. <i>Vaccine</i> , 1992 , 10 Suppl 1, S126-8	4.1	15
1	Analysis of non-infectious HIV particles produced in presence of HIV proteinase inhibitor. <i>Archives of Virology</i> , 1991 , 120, 71-81	2.6	46