Soeren W Gersting

List of Publications by Citations

33 papers	1,599 citations	19 h-index	36 g-index
36 ext. papers	1,805 ext. citations	5.9 avg, IF	3.79 L-index

#	Paper	IF	Citations
33	IL-37 requires the receptors IL-18Rα and IL-1R8 (SIGIRR) to carry out its multifaceted anti-inflammatory program upon innate signal transduction. *Nature Immunology*, **2015**, 16, 354-65	19.1	258
32	Insights into the mechanism of magnetofection using PEI-based magnetofectins for gene transfer. *Journal of Gene Medicine*, **2004**, 6, 923-36	3.5	244
31	Advances in magnetofection—magnetically guided nucleic acid delivery. *Journal of Magnetism and Magnetic Materials*, **2005**, 293, 501-508	2.8	133
30	Gene delivery to respiratory epithelial cells by magnetofection. *Journal of Gene Medicine*, **2004**, 6, 913-22	3.5	101
29	Rad50-CARD9 interactions link cytosolic DNA sensing to IL-1β production. *Nature Immunology*, **2014**, 15, 538-45	19.1	96
28	Loss of function in phenylketonuria is caused by impaired molecular motions and conformational instability. *American Journal of Human Genetics*, **2008**, 83, 5-17	11	95
27	CLPB mutations cause 3-methylglutaconic aciduria, progressive brain atrophy, intellectual disability, congenital neutropenia, cataracts, movement disorder. *American Journal of Human Genetics*, **2015**, 96, 245-57	11	84
26	Innovative strategies to treat protein misfolding in inborn errors of metabolism: pharmacological chaperones and proteostasis regulators. *Journal of Inherited Metabolic Disease*, **2014**, 37, 505-23	5.4	75
25	Interaction of liposomal and polycationic transfection complexes with pulmonary surfactant. *Journal of Gene Medicine*, **1999**, 1, 331-40	3.5	69
24	The interplay between genotype, metabolic state and cofactor treatment governs phenylalanine hydroxylase function and drug response. *Human Molecular Genetics*, **2011**, 20, 2628-41	5.6	55
23	Novel pharmacological chaperones that correct phenylketonuria in mice. *Human Molecular Genetics*, **2012**, 21, 1877-87	5.6	50
22	Interaction of bronchoalveolar lavage fluid with polyplexes and lipoplexes: analysing the role of proteins and glycoproteins. *Journal of Gene Medicine*, **2003**, 5, 49-60	3.5	50
21	Pahenu1 is a mouse model for tetrahydrobiopterin-responsive phenylalanine hydroxylase deficiency and promotes analysis of the pharmacological chaperone mechanism in vivo. *Human Molecular Genetics*, **2010**, 19, 2039-49	5.6	40
20	Protein misfolding is the molecular mechanism underlying MCADD identified in newborn screening. *Human Molecular Genetics*, **2009**, 18, 1612-23	5.6	39
19	Mapping the functional landscape of frequent phenylalanine hydroxylase (PAH) genotypes promotes personalised medicine in phenylketonuria. *Journal of Medical Genetics*, **2015**, 52, 175-85	5.8	26
18	Activation of phenylalanine hydroxylase induces positive cooperativity toward the natural cofactor. *Journal of Biological Chemistry*, **2010**, 285, 30686-97	5.4	26
17	Identification of a new fatty acid synthesis-transport machinery at the peroxisomal membrane. *Journal of Biological Chemistry*, **2012**, 287, 210-221	5.4	25

List of Publications

16	Phenylketonuria as a model for protein misfolding diseases and for the development of next generation orphan drugs for patients with inborn errors of metabolism. *Journal of Inherited Metabolic Disease*, **2010**, 33, 649-58	5.4	24
15	Varicella zoster virus ORF25 gene product: an essential hub protein linking encapsidation proteins and the nuclear egress complex. *Journal of Proteome Research*, **2011**, 10, 5374-82	5.6	20
14	An interactive network of elastase, secretases, and PAR-2 protein regulates CXCR1 receptor surface expression on neutrophils. *Journal of Biological Chemistry*, **2014**, 289, 20516-25	5.4	15
13	Inborn errors of metabolism and the human interactome: a systems medicine approach. *Journal of Inherited Metabolic Disease*, **2018**, 41, 285-296	5.4	12
12	New insights into tetrahydrobiopterin pharmacodynamics from Pah enu1/2, a mouse model for compound heterozygous tetrahydrobiopterin-responsive phenylalanine hydroxylase deficiency. *Biochemical Pharmacology*, **2010**, 80, 1563-71	6	12
11	The domain-specific and temperature-dependent protein misfolding phenotype of variant medium-chain acyl-CoA dehydrogenase. *PLoS ONE*, **2014**, 9, e93852	3.7	12
10	Bioluminescence resonance energy transfer: an emerging tool for the detection of protein-protein interaction in living cells. *Methods in Molecular Biology*, **2012**, 815, 253-63	1.4	12
9	Disease-causing mutations affecting surface residues of mitochondrial glutaryl-CoA dehydrogenase impair stability, heteromeric complex formation and mitochondria architecture. *Human Molecular Genetics*, **2017**, 26, 538-551	5.6	8
8	Isoform-specific domain organization determines conformation and function of the peroxisomal biogenesis factor PEX26. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2019**, 1866, 518-531	4.9	6
7	Secondary BH4 deficiency links protein homeostasis to regulation of phenylalanine metabolism. *Human Molecular Genetics*, **2018**, 27, 1732-1742	5.6	4
6	Quantification of mevalonate-5-phosphate using UPLC-MS/MS for determination of mevalonate kinase activity. *Clinical Biochemistry*, **2015**, 48, 781-7	3.5	2
5	Homooligomerization of ABCA3 and its functional significance. *International Journal of Molecular Medicine*, **2016**, 38, 558-66	4.4	2
4	Multiplexed complexome profiling using tandem mass tags. *Biochimica Et Biophysica Acta - Bioenergetics*, **2021**, 1862, 148448	4.6	2
3	Phenotypic analysis of the pediatric immune response to SARS-CoV-2 by flow cytometry.. *Cytometry Part A: the Journal of the International Society for Analytical Cytology*, **2021**,	4.6	1
2	iBRET Screen of the ABCD1 Peroxisomal Network and Mutation-Induced Network Perturbations. *Journal of Proteome Research*, **2021**, 20, 4366-4380	5.6	1
1	Edgetic Perturbations Contribute to Phenotypic Variability in PEX26 Deficiency. *Frontiers in Genetics*, **2021**, 12, 726174	4.5	0