

# Ludger Stndker

## List of Publications by Citations

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38  
papers

1,821  
citations

19  
h-index

41  
g-index

41  
ext. papers

2,146  
ext. citations

10  
avg, IF

3.73  
L-index

#	Paper	IF	Citations
38	Semen-derived amyloid fibrils drastically enhance HIV infection. <i>Cell</i> , <b>2007</b> , 131, 1059-71	56.2	424
37	Discovery and optimization of a natural HIV-1 entry inhibitor targeting the gp41 fusion peptide. <i>Cell</i> , <b>2007</b> , 129, 263-75	56.2	206
36	Composition of the peptide fraction in human blood plasma: database of circulating human peptides. <i>Biomedical Applications</i> , <b>1999</b> , 726, 25-35		149
35	Natural proteolytic processing of hemofiltrate CC chemokine 1 generates a potent CC chemokine receptor (CCR)1 and CCR5 agonist with anti-HIV properties. <i>Journal of Experimental Medicine</i> , <b>2000</b> , 192, 1501-8	16.6	126
34	Peptide nanofibrils boost retroviral gene transfer and provide a rapid means for concentrating viruses. <i>Nature Nanotechnology</i> , <b>2013</b> , 8, 130-6	28.7	102
33	Human hemoglobin-derived peptides exhibit antimicrobial activity: a class of host defense peptides. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2003</b> , 791, 345-56	3.2	98
32	Naturally occurring fragments from two distinct regions of the prostatic acid phosphatase form amyloidogenic enhancers of HIV infection. <i>Journal of Virology</i> , <b>2012</b> , 86, 1244-9	6.6	74
31	Purification of novel peptide antibiotics from human milk. <i>Biomedical Applications</i> , <b>2001</b> , 752, 369-77		69
30	Peptide bank generated by large-scale preparation of circulating human peptides. <i>Journal of Chromatography A</i> , <b>1997</b> , 776, 125-32	4.5	63
29	Short-term monotherapy in HIV-infected patients with a virus entry inhibitor against the gp41 fusion peptide. <i>Science Translational Medicine</i> , <b>2010</b> , 2, 63re3	17.5	61
28	Discovery and characterization of an endogenous CXCR4 antagonist. <i>Cell Reports</i> , <b>2015</b> , 11, 737-47	10.6	56
27	Novel glycosylated forms of human plasma endostatin and circulating endostatin-related fragments of collagen XV. <i>Biochemistry</i> , <b>1999</b> , 38, 10217-24	3.2	51
26	A novel sea anemone peptide that inhibits acid-sensing ion channels. <i>Peptides</i> , <b>2014</b> , 53, 3-12	3.8	41
25	A new toxin from the sea anemone <i>Condylactis gigantea</i> with effect on sodium channel inactivation. <i>Toxicon</i> , <b>2006</b> , 48, 211-20	2.8	38
24	Hemofiltrate CC chemokine 1[9-74] causes effective internalization of CCR5 and is a potent inhibitor of R5-tropic human immunodeficiency virus type 1 strains in primary T cells and macrophages. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2002</b> , 46, 982-90	5.9	33
23	Alpha-1 antitrypsin inhibits TMPRSS2 protease activity and SARS-CoV-2 infection. <i>Nature Communications</i> , <b>2021</b> , 12, 1726	17.4	32
22	A peptide inhibitor of cytomegalovirus infection from human hemofiltrate. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2013</b> , 57, 4751-60	5.9	26

21	Discovery of modulators of HIV-1 infection from the human peptidome. <i>Nature Reviews Microbiology</i> , <b>2014</b> , 12, 715-22	22.2	23
20	Exploiting the human peptidome for novel antimicrobial and anticancer agents. <i>Bioorganic and Medicinal Chemistry</i> , <b>2018</b> , 26, 2719-2726	3.4	22
19	CgNa, a type I toxin from the giant Caribbean sea anemone <i>Condylactis gigantea</i> shows structural similarities to both type I and II toxins, as well as distinctive structural and functional properties(1). <i>Biochemical Journal</i> , <b>2007</b> , 406, 67-76	3.8	19
18	A Placenta Derived C-Terminal Fragment of $\beta$ -Hemoglobin With Combined Antibacterial and Antiviral Activity. <i>Frontiers in Microbiology</i> , <b>2020</b> , 11, 508	5.7	17
17	Design of a Helical-Stabilized, Cyclic, and Nontoxic Analogue of the Peptide Cm-p5 with Improved Antifungal Activity. <i>ACS Omega</i> , <b>2019</b> , 4, 19081-19095	3.9	14
16	Combining multidimensional liquid chromatography and MALDI-TOF-MS for the fingerprint analysis of secreted peptides from the unexplored sea anemone species <i>Phymanthus crucifer</i> . <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2012</b> , 903, 30-9	3.2	13
15	A Cerberus-Inspired Anti-Infective Multicomponent Gatekeeper Hydrogel against Infections with the Emerging "Superbug" Yeast <i>Candida auris</i> . <i>Macromolecular Bioscience</i> , <b>2020</b> , 20, e2000005	5.5	9
14	Derivates of the Antifungal Peptide Cm-p5 Inhibit Development of Biofilms In Vitro. <i>Antibiotics</i> , <b>2020</b> , 9,	4.9	7
13	An optimized derivative of an endogenous CXCR4 antagonist prevents atopic dermatitis and airway inflammation. <i>Acta Pharmaceutica Sinica B</i> , <b>2021</b> , 11, 2694-2708	15.5	6
12	New Antibacterial Peptides from the Freshwater Mollusk (Pilsbry, 1927). <i>Biomolecules</i> , <b>2020</b> , 10,	5.9	5
11	PhcrTx2, a New Crab-Paralyzing Peptide Toxin from the Sea Anemone <i>Phymanthus crucifer</i> . <i>Toxins</i> , <b>2018</b> , 10,	4.9	5
10	Microtiter plate-based antibody-competition assay to determine binding affinities and plasma/blood stability of CXCR4 ligands. <i>Scientific Reports</i> , <b>2020</b> , 10, 16036	4.9	5
9	Delivery by Dendritic Mesoporous Silica Nanoparticles Enhances the Antimicrobial Activity of a Napsin-Derived Peptide Against Intracellular <i>Mycobacterium tuberculosis</i> . <i>Advanced Healthcare Materials</i> , <b>2021</b> , 10, e2100453	10.1	5
8	Unbiased Identification of Angiogenin as an Endogenous Antimicrobial Protein With Activity Against Virulent. <i>Frontiers in Microbiology</i> , <b>2020</b> , 11, 618278	5.7	4
7	An optimized derivative of an endogenous CXCR4 antagonist prevents atopic dermatitis and airway inflammation		
6	Antimicrobial Peptides Pom-1 and Pom-2 from Are Active against , and Biofilms. <i>Pathogens</i> , <b>2021</b> , 10,	4.5	3
5	Discovery, Optimization, and Clinical Application of Natural Antimicrobial Peptides. <i>Biomedicines</i> , <b>2021</b> , 9,	4.8	2
4	Respiratory $\beta$ -Microglobulin exerts pH dependent antimicrobial activity. <i>Virulence</i> , <b>2020</b> , 11, 1402-1414	4.7	2

- 3 Natural cystatin C fragments inhibit GPR15-mediated HIV and SIV infection without interfering with GPR15L signaling. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118, 11.5 2
- 2 Computational modeling and experimental validation of the EPI-X4/CXCR4 complex allows rational design of small peptide antagonists. *Communications Biology*, **2021**, 4, 1113 6.7 2
- 1 Host defense peptides as immunomodulators: The other side of the coin. *Peptides*, **2021**, 146, 170644 3.8 2