Peter Schulz-Knappe

List of Publications by Year
in descending order

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51 papers	4,389 citations	230014 27 h-index	232693 48 g-index
52 all docs	52 docs citations	52 times ranked	4869 citing authors

#	Article	IF	Citations
1	LEAP-1, a novel highly disulfide-bonded human peptide, exhibits antimicrobial activity. FEBS Letters, 2000, 480, 147-150.	1.3	1,108
2	HUPO Plasma Proteome Project specimen collection and handling: Towards the standardization of parameters for plasma proteome samples. Proteomics, 2005, 5, 3262-3277.	1.3	515
3	hBD-1: a novel Î²-defensin from human plasma. FEBS Letters, 1995, 368, 331-335.	1.3	502
4	Peptidomic analysis of human blood specimens: Comparison between plasma specimens and serum by differential peptide display. Proteomics, 2005, 5, 3414-3422.	1.3	265
5	Composition of the peptide fraction in human blood plasma: database of circulating human peptides. Biomedical Applications, 1999, 726, 25-35.	1.7	171
6	Peptidomics technologies for human body fluids. Trends in Biotechnology, 2001, 19, 55-60.	4.9	166
7	Peptidomics The Comprehensive Analysis of Peptides in Complex Biological Mixtures. Combinatorial Chemistry and High Throughput Screening, 2012, 4, 207-217.	0.6	166
8	Isolation and biochemical characterization of LEAP-2, a novel blood peptide expressed in the liver. Protein Science, 2003, 12, 143-152.	3.1	161
9	Peptidomics technologies for human body fluids. Trends in Biotechnology, 2001, 19, S55-S60.	4.9	156
10	Peptides in body fluids and tissues as markers of disease. Expert Review of Molecular Diagnostics, 2005, 5, 145-157.	1.5	89
11	The circulating bioactive form of human guanylin is a high molecular weight peptide (10.3 kDa). FEBS Letters, 1993, 318, 205-209.	1.3	85
12	A functional annotation of subproteomes in human plasma. Proteomics, 2005, 5, 3506-3519.	1.3	82
13	Historical perspective of peptidomics. EuPA Open Proteomics, 2014, 3, 171-182.	2.5	77
14	Peptide bank generated by large-scale preparation of circulating human peptides. Journal of Chromatography A, 1997, 776, 125-132.	1.8	72
15	Liquid chromatography and electrospray mass spectrometric mapping of peptides from human plasma filtrate. Journal of the American Society for Mass Spectrometry, 1999, 10, 45-54.	1.2	70
16	The Peptidomics Concept. Combinatorial Chemistry and High Throughput Screening, 2005, 8, 697-704.	0.6	62
17	GCAP-II: Isolation and characterization of the circulating form of human uroguanylin. FEBS Letters, 1995, 374, 34-38.	1.3	60
18	Human hemofiltrate as a source of circulating bioactive peptides: Determination of amino acids, peptides and proteins. Biomedical Chromatography, 1994, 8, 90-94.	0.8	50

#	Article	IF	Citations
19	Prerequisites for Peptidomic Analysis of Blood Samples: I. Evaluation of Blood Specimen Qualities and Determination of Technical Performance Characteristics. Combinatorial Chemistry and High Throughput Screening, 2005, 8, 725-733.	0.6	42
20	Expression Profiling of Breast Cancer Cells by Differential Peptide Display. Breast Cancer Research and Treatment, 2003, 79, 83-93.	1.1	37
21	Peptidomic analysis of breast cancer reveals a putative surrogate marker for estrogen receptor-negative carcinomas. Laboratory Investigation, 2006, 86, 246-253.	1.7	37
22	Serumâ€autoantibodies for discovery of prostate cancer specific biomarkers. Prostate, 2012, 72, 427-436.	1.2	33
23	Matrix-assisted laser desorption/ionisation mass spectrometry guided purification of human guanylin from blood ultrafiltrate. Journal of Chromatography A, 1997, 776, 139-145.	1.8	32
24	Effects of various phosphodiesterase-inhibitors, forskolin, and sodium nitroprusside on porcine detrusor smooth muscle tonic responses to muscarinergic stimulation and cyclic nucleotide levels in vitro. , 1996, 15, 59-70.		31
25	Porcine detrusor cyclic nucleotide phosphodiesterase isoenzymes: Characterization and functional effects of various phosphodiesterase inhibitors in vitro. Urology, 1995, 45, 893-901.	0.5	29
26	Correlation-associated peptide networks of human cerebrospinal fluid. Proteomics, 2005, 5, 2789-2798.	1.3	29
27	High-resolution peptide mapping of cerebrospinal fluid: a novel concept for diagnosis and research in central nervous system diseases. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2002, 782, 353-361.	1.2	28
28	In vivo profiling of DPP4 inhibitors reveals alterations in collagen metabolism and accumulation of an amyloid peptide in rat plasma. Biochemical Pharmacology, 2009, 77, 228-237.	2.0	27
29	Posttranslationally Processed Forms of the Human Chemokine HCC-1. Biochemistry, 2000, 39, 10799-10805.	1.2	24
30	Structural and Functional Characterization of Vitronectin-Derived RGD-Containing Peptides from Human Hemofiltrate. FEBS Journal, 1996, 241, 557-563.	0.2	22
31	Screening for disulfide-rich peptides in biological sources by carboxyamidomethylation in combination with differential matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. Rapid Communications in Mass Spectrometry, 2001, 15, 1586-1592.	0.7	16
32	The RA-MAP Consortium: a working model for academiaâ€“industry collaboration. Nature Reviews Rheumatology, 2018, 14, 53-60.	3.5	15
33	Comparison of pre-processing methods for multiplex bead-based immunoassays. BMC Genomics, 2016, 17, 601.	1.2	13
34	Sequential high-content profiling of the IgG-autoantibody repertoire reveals novel antigens in rheumatoid arthritis. Arthritis Research and Therapy, 2016, 18, 235.	1.6	13
35	Serum Autoantibodies in Chronic Prostate Inflammation in Prostate Cancer Patients. PLoS ONE, 2016, 11, e0147739.	1.1	13
36	Characterization of natural posttranslationally processed peptides from human blood: A new tool in the systematic investigation of native peptides. , 1993, , 553-557.		11

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37	Identification of Peptide Tumor Markers in a Tumor Graft Model in Immunodeficient Mice. Combinatorial Chemistry and High Throughput Screening, 2005, 8, 783-788.	0.6	10
38	Metrological sharp shooting for plasma proteins and peptides: The need for reference materials for accurate measurements in clinical proteomics and in vitro diagnostics to generate reliable results. Proteomics - Clinical Applications, 2007, 1, 1016-1035.	0.8	10
39	High diagnostic accuracy of histone H4-IgG autoantibodies in systemic lupus erythematosus. Rheumatology, 2018, 57, 533-537.	0.9	10
40	Safe cosmetics without animal testing? Contributions of the EU Project Sens-it-iv. Journal Fur Verbraucherschutz Und Lebensmittelsicherheit, 2009, 4, 41-48.	0.5	8
41	Label-free microarray-based detection of autoantibodies in human serum. Journal of Immunological Methods, 2018, 459, 44-49.	0.6	7
42	Comprehensive Longitudinal Surveillance of the IgG Autoantibody Repertoire in Established Systemic Lupus Erythematosus. Arthritis and Rheumatology, 2019, 71, 736-743.	2.9	7
43	Proteomic analysis to define predictors of treatment response to adalimumab or methotrexate in rheumatoid arthritis patients. Pharmacogenomics Journal, 2020, 20, 516-523.	0.9	6
44	High-performance liquid chromatographic determination of sulfated peptides in human hemofiltrate using a radioactivity monitor. Journal of Chromatography A, 1995, 691, 255-261.	1.8	5
45	Specific determination of tyrosine-phosphorylated proteins and peptides by differential iodination. Journal of Chromatography A, 1996, 743, 273-282.	1.8	4
46	RA-MAP, molecular immunological landscapes in early rheumatoid arthritis and healthy vaccine recipients. Scientific Data, 2022, 9, 196.	2.4	4
47	Peptidomic analysis of human peripheral monocytes persistently infected by Chlamydia trachomatis. Medical Microbiology and Immunology, 2007, 196, 103-114.	2.6	3
48	Profiling of IgG antibodies targeting unmodified and corresponding citrullinated autoantigens in a multicenter national cohort of early arthritis in Germany. Arthritis Research and Therapy, 2020, 22, 167.	1.6	3
49	Chapter 7 Clinical peptidomics: peptide-biomarker discovery in blood. Comprehensive Analytical Chemistry, 2005, 46, 385-409.	0.7	1
50	HUPO Plasma Proteome Project specimen collection and handling: Towards the standardization of parameters for plasma proteome samples. , 2006, , 63-89.		0
51	Peptidomics. , 0, , 91-104.		0