

# Leif Steil

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2746167/publications.pdf>

Version: 2024-02-01

64  
papers

4,141  
citations

147801

31  
h-index

118850

62  
g-index

68  
all docs

68  
docs citations

68  
times ranked

6138  
citing authors

#	ARTICLE	IF	CITATIONS
1	Condition-Dependent Transcriptome Reveals High-Level Regulatory Architecture in <i>Bacillus subtilis</i> . <i>Science</i> , 2012, 335, 1103-1106.	12.6	809
2	The transcriptional landscape of age in human peripheral blood. <i>Nature Communications</i> , 2015, 6, 8570.	12.8	533
3	A Comprehensive Proteomics and Transcriptomics Analysis of <i>Bacillus subtilis</i> Salt Stress Adaptation. <i>Journal of Bacteriology</i> , 2010, 192, 870-882.	2.2	175
4	Genome-Wide Transcriptional Profiling Analysis of Adaptation of <i>Bacillus subtilis</i> to High Salinity. <i>Journal of Bacteriology</i> , 2003, 185, 6358-6370.	2.2	166
5	Genome-wide analysis of temporally regulated and compartment-specific gene expression in sporulating cells of <i>Bacillus subtilis</i> . <i>Microbiology (United Kingdom)</i> , 2005, 151, 399-420.	1.8	157
6	BLOOD COMPONENTS: A novel approach to pathogen reduction in platelet concentrates using short-wave ultraviolet light. <i>Transfusion</i> , 2009, 49, 2612-2624.	1.6	138
7	Large-scale reduction of the <i>Bacillus subtilis</i> genome: consequences for the transcriptional network, resource allocation, and metabolism. <i>Genome Research</i> , 2017, 27, 289-299.	5.5	137
8	Adaptation of <i>Bacillus subtilis</i> to growth at low temperature: a combined transcriptomic and proteomic appraisal. <i>Microbiology (United Kingdom)</i> , 2006, 152, 831-853.	1.8	126
9	Genomewide Transcriptional Analysis of the Cold Shock Response in <i>Bacillus subtilis</i> . <i>Journal of Bacteriology</i> , 2002, 184, 6395-6402.	2.2	113
10	Profiling of alterations in platelet proteins during storage of platelet concentrates. <i>Transfusion</i> , 2007, 47, 1221-1233.	1.6	103
11	The Fall of a Dogma? Unexpected High T-Cell Memory Response to <i>Staphylococcus aureus</i> in Humans. <i>Journal of Infectious Diseases</i> , 2015, 212, 830-838.	4.0	97
12	Osmotic Control of <i>opuA</i> Expression in <i>Bacillus subtilis</i> and Its Modulation in Response to Intracellular Glycine Betaine and Proline Pools. <i>Journal of Bacteriology</i> , 2013, 195, 510-522.	2.2	94
13	Adaptation of <i>Bacillus subtilis</i> carbon core metabolism to simultaneous nutrient limitation and osmotic challenge: a multi-omics perspective. <i>Environmental Microbiology</i> , 2014, 16, 1898-1917.	3.8	83
14	Proteome Changes in Platelets After Pathogen Inactivation—An Interlaboratory Consensus. <i>Transfusion Medicine Reviews</i> , 2014, 28, 72-83.	2.0	80
15	Characterization of the Human Myocardial Proteome in Inflammatory Dilated Cardiomyopathy by Label-free Quantitative Shotgun Proteomics of Heart Biopsies. <i>Journal of Proteome Research</i> , 2011, 10, 2161-2171.	3.7	66
16	Distinctive patterns in the human antibody response to <i>Staphylococcus aureus</i> bacteremia in carriers and non-carriers. <i>Proteomics</i> , 2011, 11, 3914-3927.	2.2	65
17	Myocardial gene expression profiles and cardiodepressant autoantibodies predict response of patients with dilated cardiomyopathy to immunoabsorption therapy. <i>European Heart Journal</i> , 2013, 34, 666-675.	2.2	64
18	Human Immune Proteome in Experimental Colonization with <i>Staphylococcus aureus</i> . <i>Vaccine Journal</i> , 2009, 16, 1607-1614.	3.1	62

#	ARTICLE	IF	CITATIONS
19	Immune Cell Activation by Enterotoxin Gene Cluster ( <i>egc</i> )-Encoded and Non- <i>egc</i> Superantigens from <i>Staphylococcus aureus</i> . <i>Journal of Immunology</i> , 2008, 181, 5054-5061.	0.8	59
20	Defining the structure of the general stress regulon of <i>Bacillus subtilis</i> using targeted microarray analysis and random forest classification. <i>Microbiology (United Kingdom)</i> , 2012, 158, 696-707.	1.8	59
21	Specific serum IgG at diagnosis of <i>Staphylococcus aureus</i> bloodstream invasion is correlated with disease progression. <i>Journal of Proteomics</i> , 2015, 128, 1-7.	2.4	49
22	Assembly and Function of a Spore Coat-Associated Transglutaminase of <i>Bacillus subtilis</i> . <i>Journal of Bacteriology</i> , 2005, 187, 7753-7764.	2.2	45
23	Proteomic analysis of doxorubicin-induced changes in the proteome of HepG2 cells combining 2D DIGE and LC-MS/MS approaches. <i>Proteomics</i> , 2010, 10, 99-114.	2.2	43
24	Proteomic characterization of freeze-dried human plasma: providing treatment of bleeding disorders without the need for a cold chain. <i>Transfusion</i> , 2008, 48, 2356-2363.	1.6	41
25	Role of Platelet Size Revisited—Function and Protein Composition of Large and Small Platelets. <i>Thrombosis and Haemostasis</i> , 2019, 119, 407-420.	3.4	41
26	Extensive alterations of the whole-blood transcriptome are associated with body mass index: results of an mRNA profiling study involving two large population-based cohorts. <i>BMC Medical Genomics</i> , 2015, 8, 65.	1.5	40
27	Assembly of an Oxalate Decarboxylase Produced under $\lambda$ Control into the <i>Bacillus subtilis</i> Spore Coat. <i>Journal of Bacteriology</i> , 2004, 186, 1462-1474.	2.2	39
28	Proteomics of Blood-Based Therapeutics. <i>BioDrugs</i> , 2007, 21, 179-193.	4.6	37
29	Quantitative analysis of the intra- and inter-subject variability of the whole salivary proteome. <i>Journal of Periodontal Research</i> , 2013, 48, 392-403.	2.7	37
30	Diaphragm muscle weakness in mice is early-onset post-myocardial infarction and associated with elevated protein oxidation. <i>Journal of Applied Physiology</i> , 2015, 118, 11-19.	2.5	37
31	Early storage lesions in apheresis platelets are induced by the activation of the integrin $\alpha$ IIb $\beta$ 3 and focal adhesion signaling pathways. <i>Journal of Proteomics</i> , 2012, 76, 297-315.	2.4	34
32	Toward the Relevance of Platelet Subpopulations for Transfusion Medicine. <i>Frontiers in Medicine</i> , 2018, 5, 17.	2.6	33
33	RsbV-Independent Induction of the SigB-Dependent General Stress Regulon of <i>Bacillus subtilis</i> during Growth at High Temperature. <i>Journal of Bacteriology</i> , 2004, 186, 6150-6158.	2.2	30
34	Antibody responses in furunculosis patients vaccinated with autologous formalin-killed <i>Staphylococcus aureus</i> . <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2011, 30, 707-17.	2.9	30
35	Bone marrow-derived macrophages from BALB/c and C57BL/6 mice fundamentally differ in their respiratory chain complex proteins, lysosomal enzymes and components of antioxidant stress systems. <i>Journal of Proteomics</i> , 2014, 103, 72-86.	2.4	26
36	A proteomics workflow for quantitative and time-resolved analysis of adaptation reactions of internalized bacteria. <i>Methods</i> , 2013, 61, 244-250.	3.8	25

#	ARTICLE	IF	CITATIONS
37	The Timing of cotE Expression Affects <i>Bacillus subtilis</i> Spore Coat Morphology but Not Lysozyme Resistance. <i>Journal of Bacteriology</i> , 2007, 189, 2401-2410.	2.2	24
38	A proteomic perspective of the interplay of <i>Staphylococcus aureus</i> and human alveolar epithelial cells during infection. <i>Journal of Proteomics</i> , 2015, 128, 203-217.	2.4	24
39	Changes of myocardial gene expression and protein composition in patients with dilated cardiomyopathy after immunoadsorption with subsequent immunoglobulin substitution. <i>Basic Research in Cardiology</i> , 2016, 111, 53.	5.9	23
40	Virus-induced dilated cardiomyopathy is characterized by increased levels of fibrotic extracellular matrix proteins and reduced amounts of energy-producing enzymes. <i>Proteomics</i> , 2011, 11, 4310-4320.	2.2	21
41	Exercise Training Prevents Diaphragm Contractile Dysfunction in Heart Failure. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 2118-2124.	0.4	21
42	Multidrug resistance-related protein 2 genotype of the donor affects kidney graft function. <i>Pharmacogenetics and Genomics</i> , 2009, 19, 276-288.	1.5	20
43	Regulation of Interferon-Inducible Proteins by Doxorubicin via Interferon $\gamma$ -Janus Tyrosine Kinase-Signal Transducer and Activator of Transcription Signaling in Tumor Cells. <i>Molecular Pharmacology</i> , 2012, 81, 679-688.	2.3	20
44	Altered hepatic mRNA expression of immune response and apoptosis-associated genes after acute and chronic psychological stress in mice. <i>Molecular Immunology</i> , 2009, 46, 3018-3028.	2.2	17
45	Endomyocardial proteomic signature corresponding to the response of patients with dilated cardiomyopathy to immunoadsorption therapy. <i>Journal of Proteomics</i> , 2017, 150, 121-129.	2.4	17
46	Synthesis of the compatible solute proline by <i>Bacillus subtilis</i> : point mutations rendering the osmotically controlled <i>proH</i> promoter hyperactive. <i>Environmental Microbiology</i> , 2017, 19, 3700-3720.	3.8	16
47	Viral myocarditis induced by Coxsackievirus B3 in <i>A.BY/Sn</i> mice: Analysis of changes in the myocardial proteome. <i>Proteomics</i> , 2010, 10, 1802-1818.	2.2	15
48	Profiling microalgal protein extraction by microwave burst heating in comparison to spark plasma exposures. <i>Algal Research</i> , 2019, 39, 101416.	4.6	15
49	Impact of high salinity and the compatible solute glycine betaine on gene expression of <i>Bacillus subtilis</i> . <i>Environmental Microbiology</i> , 2020, 22, 3266-3286.	3.8	14
50	Profiling alterations in platelets induced by Amotosalen/UVA pathogen reduction and gamma irradiation—a LC-ESI-MS/MS-based proteomics approach. <i>Blood Transfusion</i> , 2012, 10 Suppl 2, s63-70.	0.4	14
51	Angiotensin II-dependent hypertension causes reversible changes in the platelet proteome. <i>Journal of Hypertension</i> , 2011, 29, 2126-2137.	0.5	13
52	Altered immune proteome of <i>Staphylococcus aureus</i> under iron-restricted growth conditions. <i>Proteomics</i> , 2014, 14, 1857-1867.	2.2	13
53	Adaptive immune response to lipoproteins of <i>Staphylococcus aureus</i> in healthy subjects. <i>Proteomics</i> , 2016, 16, 2667-2677.	2.2	13
54	The Protease SplB of <i>Staphylococcus aureus</i> Targets Host Complement Components and Inhibits Complement-Mediated Bacterial Opsonophagocytosis. <i>Journal of Bacteriology</i> , 2022, 204, JB0018421.	2.2	13

#	ARTICLE	IF	CITATIONS
55	Proteomic analyses of age related changes in A.BY/SnJ mouse hearts. <i>Proteome Science</i> , 2013, 11, 29.	1.7	9
56	Improved Wound Healing of Airway Epithelial Cells Is Mediated by Cold Atmospheric Plasma: A Time Course-Related Proteome Analysis. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-21.	4.0	9
57	Mass spectrometric phosphoproteome analysis of small-sized samples of human neutrophils. <i>Clinica Chimica Acta</i> , 2015, 451, 199-207.	1.1	7
58	Proteomic profile of platelets during reconstitution of platelet counts after apheresis. <i>Proteomics - Clinical Applications</i> , 2016, 10, 831-838.	1.6	6
59	Proteolysis of beta-galactosidase following SigmaB activation in <i>Bacillus subtilis</i> . <i>Molecular BioSystems</i> , 2012, 8, 1806.	2.9	5
60	Double trouble: <i>Bacillus</i> depends on a functional Tat machinery to avoid severe oxidative stress and starvation upon entry into a NaCl-depleted environment. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2021, 1868, 118914.	4.1	5
61	Associations between Serum Sex Hormone Concentrations and Whole Blood Gene Expression Profiles in the General Population. <i>PLoS ONE</i> , 2015, 10, e0127466.	2.5	4
62	Influence of doxorubicin on gene expression and protein pattern in HeLa cells. <i>International Journal of Clinical Pharmacology and Therapeutics</i> , 2004, 42, 640-641.	0.6	3
63	Transfusion medicine and proteomics. Alliance or coexistence?. <i>Blood Transfusion</i> , 2010, 8 Suppl 3, s16-25.	0.4	3
64	Comparative immunoproteome analysis of the response of susceptible A.BY/SnJ and resistant C57BL/6 mice to Coxsackievirus B3-infection. <i>Journal of Integrated OMICS</i> , 2012, 2, .	0.5	0