

Carsten Scavenius

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4456474/publications.pdf>

Version: 2024-02-01

67
papers

1,896
citations

279798

23
h-index

289244

40
g-index

76
all docs

76
docs citations

76
times ranked

3400
citing authors

#	ARTICLE	IF	CITATIONS
1	Template-directed covalent conjugation of DNA to native antibodies, transferrin and other metal-binding proteins. <i>Nature Chemistry</i> , 2014, 6, 804-809.	13.6	152
2	Dynamic protein coronas revealed as a modulator of silver nanoparticle sulphidation in vitro. <i>Nature Communications</i> , 2016, 7, 11770.	12.8	136
3	Mapping and identification of soft corona proteins at nanoparticles and their impact on cellular association. <i>Nature Communications</i> , 2020, 11, 4535.	12.8	122
4	Human Cornea Proteome: Identification and Quantitation of the Proteins of the Three Main Layers Including Epithelium, Stroma, and Endothelium. <i>Journal of Proteome Research</i> , 2012, 11, 4231-4239.	3.7	92
5	Peptidyl Arginine Deiminase from <i>Porphyromonas gingivalis</i> Abolishes Anaphylatoxin C5a Activity. <i>Journal of Biological Chemistry</i> , 2014, 289, 32481-32487.	3.4	83
6	STEEP mediates STING ER exit and activation of signaling. <i>Nature Immunology</i> , 2020, 21, 868-879.	14.5	82
7	Species Differences Take Shape at Nanoparticles: Protein Corona Made of the Native Repertoire Assists Cellular Interaction. <i>Environmental Science & Technology</i> , 2013, 47, 14367-14375.	10.0	75
8	Coagulation Factor XIIIa Substrates in Human Plasma. <i>Journal of Biological Chemistry</i> , 2014, 289, 6526-6534.	3.4	55
9	Proteome Analysis of Human Sebaceous Follicle Infundibula Extracted from Healthy and Acne-Affected Skin. <i>PLoS ONE</i> , 2014, 9, e107908.	2.5	50
10	Impact of fibrinogen carbamylation on fibrin clot formation and stability. <i>Thrombosis and Haemostasis</i> , 2017, 117, 899-910.	3.4	47
11	Structural and functional insights into oligopeptide acquisition by the RagAB transporter from <i>Porphyromonas gingivalis</i> . <i>Nature Microbiology</i> , 2020, 5, 1016-1025.	13.3	46
12	<sc>MS D</sc>ata <sc>M</sc>iner: A web-based software tool to analyze, compare, and share mass spectrometry protein identifications. <i>Proteomics</i> , 2012, 12, 2792-2796.	2.2	45
13	The Skin Bacterium <i>Propionibacterium acnes</i> Employs Two Variants of Hyaluronate Lyase with Distinct Properties. <i>Microorganisms</i> , 2017, 5, 57.	3.6	45
14	Miropin, a Novel Bacterial Serpin from the Periodontopathogen <i>Tannerella forsythia</i> , Inhibits a Broad Range of Proteases by Using Different Peptide Bonds within the Reactive Center Loop. <i>Journal of Biological Chemistry</i> , 2015, 290, 658-670.	3.4	42
15	Characterisation of protein families in spider digestive fluids and their role in extra-oral digestion. <i>BMC Genomics</i> , 2017, 18, 600.	2.8	39
16	Proteomics of Fuchs's Endothelial Corneal Dystrophy Support That the Extracellular Matrix of Descemet's Membrane Is Disordered. <i>Journal of Proteome Research</i> , 2014, 13, 4659-4667.	3.7	36
17	The Transfer of Heavy Chains from Bikunin Proteins to Hyaluronan Requires Both TSG-6 and HC2. <i>Journal of Biological Chemistry</i> , 2008, 283, 18530-18537.	3.4	33
18	Carbamylated LL-37 as a modulator of the immune response. <i>Innate Immunity</i> , 2016, 22, 218-229.	2.4	32

#	ARTICLE	IF	CITATIONS
19	A Common Polymorphism in Extracellular Superoxide Dismutase Affects Cardiopulmonary Disease Risk by Altering Protein Distribution. <i>Circulation: Cardiovascular Genetics</i> , 2014, 7, 659-666.	5.1	31
20	Female versus male biological identities of nanoparticles determine the interaction with immune cells in fish. <i>Environmental Science: Nano</i> , 2017, 4, 895-906.	4.3	31
21	A Novel Biological Role for Peptidyl-Arginine Deiminases: Citrullination of Cathelicidin LL-37 Controls the Immunostimulatory Potential of Cell-Free DNA. <i>Journal of Immunology</i> , 2018, 200, 2327-2340.	0.8	27
22	APD-Containing Cyclolipodepsipeptides Target Mitochondrial Function in Hypoxic Cancer Cells. <i>Cell Chemical Biology</i> , 2018, 25, 1337-1349.e12.	5.2	27
23	Human Complement C3 Is a Substrate for Transglutaminases. A Functional Link between Non-Protease-Based Members of the Coagulation and Complement Cascades. <i>Biochemistry</i> , 2012, 51, 4735-4742.	2.5	24
24	Comparison of two phenotypically distinct lattice corneal dystrophies caused by mutations in the transforming growth factor beta induced (<i>TGFB1</i>) gene. <i>Proteomics - Clinical Applications</i> , 2014, 8, 168-177.	1.6	24
25	The spider hemolymph clot proteome reveals high concentrations of hemocyanin and von Willebrand factor-like proteins. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2016, 1864, 233-241.	2.3	24
26	TSG-6 Transfers Proteins between Glycosaminoglycans via a Ser28-mediated Covalent Catalytic Mechanism. <i>Journal of Biological Chemistry</i> , 2008, 283, 33919-33926.	3.4	23
27	Carbamylation of immunoglobulin abrogates activation of the classical complement pathway. <i>European Journal of Immunology</i> , 2014, 44, 3403-3412.	2.9	23
28	The amido-pentadienoate-functionality of the rakicidins is a thiol reactive electrophile – development of a general synthetic strategy. <i>Chemical Communications</i> , 2015, 51, 12427-12430.	4.1	22
29	Prevalence of Flp Pili-Encoding Plasmids in <i>Cutibacterium acnes</i> Isolates Obtained from Prostatic Tissue. <i>Frontiers in Microbiology</i> , 2017, 8, 2241.	3.5	21
30	A Screening Method for the Isolation of Bacteria Capable of Degrading Toxic Steroidal Glycoalkaloids Present in Potato. <i>Frontiers in Microbiology</i> , 2018, 9, 2648.	3.5	21
31	Apolipoprotein E Triggers Complement Activation in Joint Synovial Fluid of Rheumatoid Arthritis Patients by Binding C1q. <i>Journal of Immunology</i> , 2020, 204, 2779-2790.	0.8	20
32	Fibril Core of Transforming Growth Factor Beta-Induced Protein (TGFB1p) Facilitates Aggregation of Corneal TGFB1p. <i>Biochemistry</i> , 2015, 54, 2943-2956.	2.5	19
33	The TSG-6/HC2-mediated Transfer Is a Dynamic Process Shuffling Heavy Chains between Glycosaminoglycans. <i>Journal of Biological Chemistry</i> , 2010, 285, 21988-21993.	3.4	18
34	PorZ, an Essential Component of the Type IX Secretion System of <i>Porphyromonas gingivalis</i> , Delivers Anionic Lipopolysaccharide to the PorU Sortase for Transpeptidase Processing of T9SS Cargo Proteins. <i>MBio</i> , 2021, 12, .	4.1	17
35	Hepatocytes respond differently to major dietary trans fatty acid isomers, elaidic acid and trans-vaccenic acid. <i>Proteome Science</i> , 2015, 13, 31.	1.7	16
36	Enzymatic and Structural Characterization of the Major Endopeptidase in the Venus Flytrap Digestion Fluid. <i>Journal of Biological Chemistry</i> , 2016, 291, 2271-2287.	3.4	16

#	ARTICLE	IF	CITATIONS
37	Small-Molecule Probes for Affinity-Guided Introduction of Biocompatible Handles on Metal-Binding Proteins. <i>Bioconjugate Chemistry</i> , 2018, 29, 3016-3025.	3.6	16
38	Transglutaminase 2-Catalyzed Intramolecular Cross-Linking of Osteopontin. <i>Biochemistry</i> , 2016, 55, 294-303.	2.5	14
39	Identification of Transglutaminase Reactive Residues in Human Osteopontin and Their Role in Polymerization. <i>PLoS ONE</i> , 2014, 9, e113650.	2.5	14
40	Evolutionary conservation of heavy chain protein transfer between glycosaminoglycans. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2010, 1804, 1011-1019.	2.3	13
41	Conservation of the Amyloid Interactome Across Diverse Fibrillar Structures. <i>Scientific Reports</i> , 2019, 9, 3863.	3.3	13
42	<i>Staphylococcus saccharolyticus</i> Isolated From Blood Cultures and Prosthetic Joint Infections Exhibits Excessive Genome Decay. <i>Frontiers in Microbiology</i> , 2019, 10, 478.	3.5	12
43	Frequently used bioinformatics tools overestimate the damaging effect of allelic variants. <i>Genes and Immunity</i> , 2019, 20, 10-22.	4.1	12
44	Tracing the <i>In Vivo</i> Fate of Nanoparticles with a "Non-Self" Biological Identity. <i>ACS Nano</i> , 2020, 14, 10666-10679.	14.6	12
45	FAM20C phosphorylation of the RGDSVYGLR motif in osteopontin inhibits interaction with the β_3 integrin. <i>Journal of Cellular Biochemistry</i> , 2020, 121, 4809-4818.	2.6	12
46	Sex dictates the constitutive expression of hepatic cytochrome P450 isoforms in Göttingen minipigs. <i>Toxicology Letters</i> , 2019, 314, 181-186.	0.8	11
47	The serine protease HtrA1 cleaves misfolded transforming growth factor β_2 -induced protein (TGFB β 1p) and induces amyloid formation. <i>Journal of Biological Chemistry</i> , 2019, 294, 11817-11828.	3.4	11
48	Human inter- β -inhibitor is a substrate for factor XIIIa and tissue transglutaminase. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2011, 1814, 1624-1630.	2.3	10
49	Disulfide Bond Pattern of Transforming Growth Factor β_2 -Induced Protein. <i>Biochemistry</i> , 2016, 55, 5610-5621.	2.5	10
50	Matrix-degrading protease ADAMTS-5 cleaves inter- β -inhibitor and releases active heavy chain 2 in synovial fluids from arthritic patients. <i>Journal of Biological Chemistry</i> , 2019, 294, 15495-15504.	3.4	10
51	The last meal of Tollund Man: new analyses of his gut content. <i>Antiquity</i> , 2021, 95, 1195-1212.	1.0	10
52	The interactome of stabilized β -synuclein oligomers and neuronal proteins. <i>FEBS Journal</i> , 2020, 287, 2037-2054.	4.7	9
53	A Protein Corona Modulates Interactions of β -Synuclein with Nanoparticles and Alters the Rates of the Microscopic Steps of Amyloid Formation. <i>ACS Nano</i> , 2022, 16, 1102-1118.	14.6	9
54	Transport of a Peptide from Bovine β 1-Casein across Models of the Intestinal and Blood-Brain Barriers. <i>Nutrients</i> , 2020, 12, 3157.	4.1	8

#	ARTICLE	IF	CITATIONS
55	Preparation of uniformly ¹³ C, ¹⁵ N-labeled recombinant human amylin for solid-state NMR investigation. <i>Protein Expression and Purification</i> , 2014, 99, 119-130.	1.3	7
56	The Compact and Biologically Relevant Structure of Inter-Î±-inhibitor Is Maintained by the Chondroitin Sulfate Chain and Divalent Cations. <i>Journal of Biological Chemistry</i> , 2016, 291, 4658-4670.	3.4	7
57	<scp>FAM20Câ€Mediated</scp> Phosphorylation of <scp>MEPE</scp> and Its Acidic Serineâ€and <scp>Aspartateâ€Rich</scp> Motif. <i>JBMR Plus</i> , 2020, 4, e10378.	2.7	7
58	Hydrogen exchange mass spectrometry as an analytical tool for the analysis of amyloid fibrillogenesis. <i>International Journal of Mass Spectrometry</i> , 2011, 302, 167-173.	1.5	6
59	Early Events in the Amyloid Formation of the A546T Mutant of Transforming Growth Factor Î²-Induced Protein in Corneal Dystrophies Compared to the Nonfibrillating R555W and R555Q Mutants. <i>Biochemistry</i> , 2015, 54, 5546-5556.	2.5	6
60	Human Lysozyme Peptidase Resistance Is Perturbed by the Anionic Glycolipid Biosurfactant Rhamnolipid Produced by the Opportunistic Pathogen <i>Pseudomonas aeruginosa</i> . <i>Biochemistry</i> , 2017, 56, 260-270.	2.5	6
61	Identification of polyphenol oxidases in potato tuber (<i>Solanum tuberosum</i>) and purification and characterization of the major polyphenol oxidases. <i>Food Chemistry</i> , 2021, 365, 130454.	8.2	6
62	Making Silent Bones Speak: The Analysis of Orphaned Osseous Tools Illustrated with Mesolithic Stray Finds. <i>Archaeologica Baltica</i> , 2018, 25, 53-70.	0.3	5
63	Activation of Complement by Pigment Epitheliumâ€Derived Factor in Rheumatoid Arthritis. <i>Journal of Immunology</i> , 2017, 199, 1113-1121.	0.8	4
64	Mutation-Induced Deamidation of Corneal Dystrophy-Related Transforming Growth Factor Î²-Induced Protein. <i>Biochemistry</i> , 2017, 56, 6470-6480.	2.5	4
65	Murine Extracellular Superoxide Dismutase Is Converted into the Inactive Fold by the Ser195Cys Mutation. <i>Biochemistry</i> , 2013, 52, 3369-3375.	2.5	3
66	An Integrative Structural Biology Analysis of Von Willebrand Factor Binding and Processing by ADAMTS-13 in Solution. <i>Journal of Molecular Biology</i> , 2021, 433, 166954.	4.2	3
67	Post-translational modifications of ApoE: Modulation of complement in synovial fluid of rheumatoid arthritis patients?. <i>Molecular Immunology</i> , 2018, 102, 225.	2.2	0