

# Carsten Scavenius

## List of Publications by Year in descending order

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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	A Protein Corona Modulates Interactions of $\alpha$ -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
2	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
3	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
4	The last meal of Tollund Man: new analyses of his gut content. <i>Antiquity</i> , 2021, 95, 1195-1212.	1.0	10
5	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
6	The interactome of stabilized $\alpha$ -synuclein oligomers and neuronal proteins. <i>FEBS Journal</i> , 2020, 287, 2037-2054.	4.7	9
7	Transport of a Peptide from Bovine $\beta$ -Casein across Models of the Intestinal and Blood-Brain Barriers. <i>Nutrients</i> , 2020, 12, 3157.	4.1	8
8	STEEP mediates STING ER exit and activation of signaling. <i>Nature Immunology</i> , 2020, 21, 868-879.	14.5	82
9	FAM20C-Mediated Phosphorylation of MEPE and Its Acidic Serine- and Aspartate-Rich Motif. <i>JBMR Plus</i> , 2020, 4, e10378.	2.7	7
10	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
11	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
12	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
13	FAM20C phosphorylation of the RGDSVVYGLR motif in osteopontin inhibits interaction with the $\alpha$ <sub>v</sub> $\beta$ <sub>3</sub> integrin. <i>Journal of Cellular Biochemistry</i> , 2020, 121, 4809-4818.	2.6	12
14	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
15	Matrix-degrading protease ADAMTS-5 cleaves inter- $\alpha$ -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
16	Sex dictates the constitutive expression of hepatic cytochrome P450 isoforms in Göttingen minipigs. <i>Toxicology Letters</i> , 2019, 314, 181-186.	0.8	11
17	The serine protease HtrA1 cleaves misfolded transforming growth factor $\beta$ -induced protein (TGF $\beta$ 1p) and induces amyloid formation. <i>Journal of Biological Chemistry</i> , 2019, 294, 11817-11828.	3.4	11
18	<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

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19	Conservation of the Amyloid Interactome Across Diverse Fibrillar Structures. <i>Scientific Reports</i> , 2019, 9, 3863.	3.3	13
20	Frequently used bioinformatics tools overestimate the damaging effect of allelic variants. <i>Genes and Immunity</i> , 2019, 20, 10-22.	4.1	12
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	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
23	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
24	APD-Containing Cyclolipopeptides Target Mitochondrial Function in Hypoxic Cancer Cells. <i>Cell Chemical Biology</i> , 2018, 25, 1337-1349.e12.	5.2	27
25	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
26	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
27	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
28	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
29	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
30	Activation of Complement by Pigment Epithelium-Derived Factor in Rheumatoid Arthritis. <i>Journal of Immunology</i> , 2017, 199, 1113-1121.	0.8	4
31	Mutation-Induced Deamidation of Corneal Dystrophy-Related Transforming Growth Factor $\beta$ -Induced Protein. <i>Biochemistry</i> , 2017, 56, 6470-6480.	2.5	4
32	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
33	Impact of fibrinogen carbamylation on fibrin clot formation and stability. <i>Thrombosis and Haemostasis</i> , 2017, 117, 899-910.	3.4	47
34	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
35	Disulfide Bond Pattern of Transforming Growth Factor $\beta$ -Induced Protein. <i>Biochemistry</i> , 2016, 55, 5610-5621.	2.5	10
36	Dynamic protein coronas revealed as a modulator of silver nanoparticle sulphidation in vitro. <i>Nature Communications</i> , 2016, 7, 11770.	12.8	136

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37	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
38	Carbamylated LL-37 as a modulator of the immune response. <i>Innate Immunity</i> , 2016, 22, 218-229.	2.4	32
39	Transglutaminase 2-Catalyzed Intramolecular Cross-Linking of Osteopontin. <i>Biochemistry</i> , 2016, 55, 294-303.	2.5	14
40	The Compact and Biologically Relevant Structure of Inter- $\alpha$ -inhibitor Is Maintained by the Chondroitin Sulfate Chain and Divalent Cations. <i>Journal of Biological Chemistry</i> , 2016, 291, 4658-4670.	3.4	7
41	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
42	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
43	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
44	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
45	Fibril Core of Transforming Growth Factor Beta-Induced Protein (TGFB $\beta$ ) Facilitates Aggregation of Corneal TGFB $\beta$ . <i>Biochemistry</i> , 2015, 54, 2943-2956.	2.5	19
46	Early Events in the Amyloid Formation of the A546T Mutant of Transforming Growth Factor $\beta$ -Induced Protein in Corneal Dystrophies Compared to the Nonfibrillating R555W and R555Q Mutants. <i>Biochemistry</i> , 2015, 54, 5546-5556.	2.5	6
47	Comparison of two phenotypically distinct lattice corneal dystrophies caused by mutations in the transforming growth factor beta induced ( <i>TGFB<math>\beta</math></i> ) gene. <i>Proteomics - Clinical Applications</i> , 2014, 8, 168-177.	1.6	24
48	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
49	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
50	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
51	Carbamylation of immunoglobulin abrogates activation of the classical complement pathway. <i>European Journal of Immunology</i> , 2014, 44, 3403-3412.	2.9	23
52	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
53	Coagulation Factor XIIIa Substrates in Human Plasma. <i>Journal of Biological Chemistry</i> , 2014, 289, 6526-6534.	3.4	55
54	Preparation of uniformly $^{13}\text{C}$ , $^{15}\text{N}$ -labeled recombinant human amylin for solid-state NMR investigation. <i>Protein Expression and Purification</i> , 2014, 99, 119-130.	1.3	7

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55	Proteome Analysis of Human Sebaceous Follicle Infundibula Extracted from Healthy and Acne-Affected Skin. PLoS ONE, 2014, 9, e107908.	2.5	50
56	Identification of Transglutaminase Reactive Residues in Human Osteopontin and Their Role in Polymerization. PLoS ONE, 2014, 9, e113650.	2.5	14
57	Species Differences Take Shape at Nanoparticles: Protein Corona Made of the Native Repertoire Assists Cellular Interaction. Environmental Science & Technology, 2013, 47, 14367-14375.	10.0	75
58	Murine Extracellular Superoxide Dismutase Is Converted into the Inactive Fold by the Ser195Cys Mutation. Biochemistry, 2013, 52, 3369-3375.	2.5	3
59	Human Complement C3 Is a Substrate for Transglutaminases. A Functional Link between Non-Protease-Based Members of the Coagulation and Complement Cascades. Biochemistry, 2012, 51, 4735-4742.	2.5	24
60	Human Cornea Proteome: Identification and Quantitation of the Proteins of the Three Main Layers Including Epithelium, Stroma, and Endothelium. Journal of Proteome Research, 2012, 11, 4231-4239.	3.7	92
61	<scp>MS D</scp>ata <scp>M</scp>iner: A web-based software tool to analyze, compare, and share mass spectrometry protein identifications. Proteomics, 2012, 12, 2792-2796.	2.2	45
62	Human inter- $\alpha$ -inhibitor is a substrate for factor XIIIa and tissue transglutaminase. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2011, 1814, 1624-1630.	2.3	10
63	Hydrogen exchange mass spectrometry as an analytical tool for the analysis of amyloid fibrillogenesis. International Journal of Mass Spectrometry, 2011, 302, 167-173.	1.5	6
64	Evolutionary conservation of heavy chain protein transfer between glycosaminoglycans. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2010, 1804, 1011-1019.	2.3	13
65	The TSG-6/HC2-mediated Transfer Is a Dynamic Process Shuffling Heavy Chains between Glycosaminoglycans. Journal of Biological Chemistry, 2010, 285, 21988-21993.	3.4	18
66	TSG-6 Transfers Proteins between Glycosaminoglycans via a Ser28-mediated Covalent Catalytic Mechanism. Journal of Biological Chemistry, 2008, 283, 33919-33926.	3.4	23
67	The Transfer of Heavy Chains from Bikunin Proteins to Hyaluronan Requires Both TSG-6 and HC2. Journal of Biological Chemistry, 2008, 283, 18530-18537.	3.4	33