

# Hans-Christian Siebert

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

559  
citations

687363

13  
h-index

713466

21  
g-index

21  
all docs

21  
docs citations

21  
times ranked

822  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Articular Joint Lubricants during Osteoarthritis and Rheumatoid Arthritis Display Altered Levels and Molecular Species. <i>PLoS ONE</i> , 2015, 10, e0125192.  | 2.5  | 126       |
| 2  | Synthesis and Molecular Recognition Studies of the HNK-1 Trisaccharide and Related Oligosaccharides. The Specificity of Monoclonal Anti-HNK-1 Antibodies as Assessed by Surface Plasmon Resonance and STD NMR. <i>Journal of the American Chemical Society</i> , 2012, 134, 426-435. | 13.7 | 82        |
| 3  | Collagen Metabolism of Human Osteoarthritic Articular Cartilage as Modulated by Bovine Collagen Hydrolysates. <i>PLoS ONE</i> , 2013, 8, e53955.   | 2.5  | 39        |
| 4  | Evidence for Inhibition of Lysozyme Amyloid Fibrillization by Peptide Fragments from Human Lysozyme: A Combined Spectroscopy, Microscopy, and Docking Study. <i>Biomacromolecules</i> , 2016, 17, 1998-2009.   | 5.4  | 35        |
| 5  | Why Structurally Different Cyclic Peptides Can Be Glycomimetics of the HNK-1 Carbohydrate Antigen. <i>Journal of the American Chemical Society</i> , 2010, 132, 96-105.  | 13.7 | 32        |
| 6  | Metabolic Response of Human Osteoarthritic Cartilage to Biochemically Characterized Collagen Hydrolysates. <i>International Journal of Molecular Sciences</i> , 2017, 18, 207.   | 4.1  | 31        |
| 7  | Interaction of the $\beta 2$ domain of integrin with small collagen fragments. <i>Protein and Cell</i> , 2010, 1, 393-405.   | 11.0 | 30        |
| 8  | Lysozyme's lectin-like characteristics facilitates its immune defense function. <i>Quarterly Reviews of Biophysics</i> , 2017, 50, e9.   | 5.7  | 29        |
| 9  | Amelioration of clinical course and demyelination in the cuprizone mouse model in relation to ketogenic diet. <i>Food and Function</i> , 2020, 11, 5647-5663.  | 4.6  | 26        |
| 10 | Influence of Long-Chain/Medium-Chain Triglycerides and Whey Protein/Tween 80 Ratio on the Stability of Phosphatidylserine Emulsions (O/W). <i>ACS Omega</i> , 2020, 5, 7792-7801.  | 3.5  | 21        |
| 11 | Structure-Function Relationships of Antimicrobial Peptides and Proteins with Respect to Contact Molecules on Pathogen Surfaces. <i>Current Topics in Medicinal Chemistry</i> , 2015, 16, 89-98.  | 2.1  | 18        |
| 12 | Molecular Organization of Various Collagen Fragments as Revealed by Atomic Force Microscopy and Diffusion-Ordered NMR Spectroscopy. <i>ChemPhysChem</i> , 2012, 13, 3117-3125.   | 2.1  | 16        |
| 13 | A lectin from the Chinese bird-hunting spider binds sialic acids. <i>Carbohydrate Research</i> , 2009, 344, 1515-1525.   | 2.3  | 15        |
| 14 | Molecular Basis of the Receptor Interactions of Polysialic Acid (polySia), polySia Mimetics, and Sulfated Polysaccharides. <i>ChemMedChem</i> , 2016, 11, 990-1002.  | 3.2  | 11        |
| 15 | The Sialic Acid-Dependent Nematocyst Discharge Process in Relation to Its Physical-Chemical Properties Is a Role Model for Nanomedical Diagnostic and Therapeutic Tools. <i>Marine Drugs</i> , 2019, 17, 469.  | 4.6  | 11        |
| 16 | Nanomedical Relevance of the Intermolecular Interaction Dynamics—Examples from Lysozymes and Insulins. <i>ACS Omega</i> , 2019, 4, 4206-4220.  | 3.5  | 11        |
| 17 | <i>In silico</i> Study on Sulfated and Non-Sulfated Carbohydrate Chains from Proteoglycans in <i>Cnidaria</i> and Interaction with Collagen. <i>Open Journal of Physical Chemistry</i> , 2012, 02, 123-133.  | 0.6  | 10        |
| 18 | Efficacy of Chondroprotective Food Supplements Based on Collagen Hydrolysate and Compounds Isolated from Marine Organisms. <i>Marine Drugs</i> , 2021, 19, 542.  | 4.6  | 9         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Preparation, Characterization, Evaluation of Neuroprotective Effect, and Related Mechanisms of Phosphatidylserine Emulsion in 5- and 12-Week Old Mice. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 1852-1864.  | 5.2 | 4         |
| 20 | Evidence for Quantum Chemical Effects in Receptor-Ligand Binding Between Integrin and Collagen Fragments – A Computational Investigation With an Impact on Tissue Repair, Neurooncology and Glycobiology. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 756701. | 3.5 | 2         |