

Hans-Christian Siebert

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

559
citations

687363

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h-index

713466

21
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21
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21
times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	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
5	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
6	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
7	Nanomedical Relevance of the Intermolecular Interaction Dynamics – Examples from Lysozymes and Insulins. <i>ACS Omega</i> , 2019, 4, 4206-4220.	3.5	11
8	Lysozyme's lectin-like characteristics facilitates its immune defense function. <i>Quarterly Reviews of Biophysics</i> , 2017, 50, e9.	5.7	29
9	Metabolic Response of Human Osteoarthritic Cartilage to Biochemically Characterized Collagen Hydrolysates. <i>International Journal of Molecular Sciences</i> , 2017, 18, 207.	4.1	31
10	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
11	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
12	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
13	Articular Joint Lubricants during Osteoarthritis and Rheumatoid Arthritis Display Altered Levels and Molecular Species. <i>PLoS ONE</i> , 2015, 10, e0125192.	2.5	126
14	Collagen Metabolism of Human Osteoarthritic Articular Cartilage as Modulated by Bovine Collagen Hydrolysates. <i>PLoS ONE</i> , 2013, 8, e53955.	2.5	39
15	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
16	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
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	Interaction of the β 2A domain of integrin with small collagen fragments. <i>Protein and Cell</i> , 2010, 1, 393-405.	11.0	30

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19	Why Structurally Different Cyclic Peptides Can Be Glycomimetics of the HNK-1 Carbohydrate Antigen. Journal of the American Chemical Society, 2010, 132, 96-105.	13.7	32
20	A lectin from the Chinese bird-hunting spider binds sialic acids. Carbohydrate Research, 2009, 344, 1515-1525.	2.3	15