

Hanno Stutz

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

770
citations

623734

14
h-index

501196

28
g-index

31
all docs

31
docs citations

31
times ranked

852
citing authors

#	ARTICLE	IF	CITATIONS
1	Advances in the analysis of proteins and peptides by capillary electrophoresis with matrix-assisted laser desorption/ionization and electrospray-mass spectrometry detection. <i>Electrophoresis</i> , 2005, 26, 1254-1290.	2.4	164
2	Protein attachment onto silica surfaces – a survey of molecular fundamentals, resulting effects and novel preventive strategies in CE. <i>Electrophoresis</i> , 2009, 30, 2032-2061.	2.4	125
3	Capillary zone electrophoresis of metal-binding proteins in formic acid with UV- and mass spectrometric detection using cationic transient capillary isotachopheresis for preconcentration. <i>Electrophoresis</i> , 2004, 25, 1071-1089.	2.4	42
4	Designing hypoallergenic derivatives for allergy treatment by means of in silico mutation and screening. <i>Journal of Allergy and Clinical Immunology</i> , 2010, 125, 926-934.e10.	2.9	41
5	Analytical tools for the analysis of β -carotene and its degradation products. <i>Free Radical Research</i> , 2015, 49, 650-680.	3.3	41
6	Separation of selected metal-binding proteins with capillary zone electrophoresis. <i>Analytica Chimica Acta</i> , 2003, 477, 1-19.	5.4	38
7	Detection of coexisting protein conformations in capillary zone electrophoresis subsequent to transient contact with sodium dodecyl sulfate solutions. <i>Electrophoresis</i> , 2005, 26, 1089-1105.	2.4	32
8	Profiling preparations of recombinant birch pollen allergen Bet v 1a with capillary zone electrophoresis in pentamine modified fused-silica capillaries. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2006, 839, 19-29.	2.3	21
9	Beta-adrenergic stimulation suppresses phagocytosis via Epac activation in murine microglial cells. <i>Brain Research</i> , 2011, 1407, 1-12.	2.2	20
10	Comparison of different mobilization strategies for capillary isoelectric focusing of ovalbumin variants. <i>Journal of Separation Science</i> , 2015, 38, 148-156.	2.5	19
11	Confirmation of immunoreactivity of the recombinant major birch pollen allergen Bet v 1a by affinity-CIEF. <i>Electrophoresis</i> , 2009, 30, 2337-2346.	2.4	17
12	Capillary zone electrophoretic determination of hydroxymetabolites of atrazine in potable water using solid-phase extraction with Amberchrom resins. <i>Mikrochimica Acta</i> , 1998, 128, 107-117.	5.0	16
13	Profiling recombinant major birch pollen allergen Bet v 1a and carbamylated variants with CZE and CIEF. <i>Electrophoresis</i> , 2007, 28, 2241-2251.	2.4	15
14	Successive multiple ionic polymer layer coated capillaries in the separation of proteins – Recombinant allergen variants as a case study. <i>Electrophoresis</i> , 2010, 31, 1805-1812.	2.4	14
15	Reversible Biofunctionalization of Surfaces with a Switchable Mutant of Avidin. <i>Bioconjugate Chemistry</i> , 2013, 24, 1656-1668.	3.6	14
16	Separation and characterization of nitrated variants of the major birch pollen allergen by CZE-ESI-TOF MS. <i>Electrophoresis</i> , 2013, 34, 2695-2704.	2.4	14
17	Effects of β -Carotene and Its Cleavage Products in Primary Pneumocyte Type II Cells. <i>Antioxidants</i> , 2017, 6, 37.	5.1	14
18	Boiling down the cysteine-stabilized LTP fold - loss of structural and immunological integrity of allergenic Art v 3 and Pru p 3 as a consequence of irreversible lanthionine formation. <i>Molecular Immunology</i> , 2019, 116, 140-150.	2.2	14

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19	Solid-phase extraction and GC-MS analysis of potentially genotoxic cleavage products of β -carotene in primary cell cultures. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 400, 2415-2426.	3.7	13
20	Nitration of β -Lactoglobulin but Not of Ovomuroid Enhances Anaphylactic Responses in Food Allergic Mice. <i>PLoS ONE</i> , 2015, 10, e0126279.	2.5	11
21	Separation of 18 modern plant protectants using cyclodextrin modified micellar electrokinetic chromatography including an ion-pairing reagent. <i>Mikrochimica Acta</i> , 1998, 129, 271-280.	5.0	10
22	Determination of Regularly Distributed Plant Protectants in Raw and Drinking Waters, Using a Multiresidue Method with Cyclodextrin-Modified Micellar Electrokinetic Chromatography. <i>Journal of AOAC INTERNATIONAL</i> , 1999, 82, 1510-1522.	1.5	9
23	Validation and application of sub-2 μ m core-shell UHPLC-UV-ESI-Orbitrap MS for identification and quantification of β -carotene and selected cleavage products with preceding solid-phase extraction. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 2909-2924.	3.7	9
24	Mapping molecular adhesion sites inside SMIL coated capillaries using atomic force microscopy recognition imaging. <i>Analytica Chimica Acta</i> , 2016, 930, 39-48.	5.4	9
25	Advanced portrayal of SMIL coating by allying CZE performance with in-capillary topographic and charge-related surface characterization. <i>Analytica Chimica Acta</i> , 2017, 951, 1-15.	5.4	9
26	Top-down and bottom-up characterization of nitrated birch pollen allergen Bet v 1a with CZE hyphenated to an Orbitrap mass spectrometer. <i>Electrophoresis</i> , 2018, 39, 1190-1200.	2.4	9
27	Intact and middle-down CIEF of commercial therapeutic monoclonal antibody products under non-denaturing conditions. <i>Electrophoresis</i> , 2020, 41, 1109-1117.	2.4	9
28	Validation of capillary zone electrophoresis and capillary isoelectric focusing separations optimized for the characterization of two recombinant products of the birch pollen allergen Bet v 1a. <i>Electrophoresis</i> , 2008, 29, 2539-2549.	2.4	8
29	Monitoring of Deamidation and Lanthionine Formation in Recombinant Mugwort Allergen by Capillary Zone Electrophoresis (CZE)-UV and Transient Capillary Isotachopheresis-CZE-Electrospray Ionization-TOF-MS. <i>Analytical Chemistry</i> , 2018, 90, 11933-11940.	6.5	8
30	Analytical Cascades of Enzymes for Sensitive Detection of Structural Variations in Protein Samples. <i>Analytical Chemistry</i> , 2018, 90, 5055-5065.	6.5	4