

Ralf KrÃ¼ger

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8093196/publications.pdf>

Version: 2024-02-01

32
papers

1,682
citations

393982

19
h-index

433756

31
g-index

32
all docs

32
docs citations

32
times ranked

2458
citing authors

#	ARTICLE	IF	CITATIONS
1	Ion Formation in MALDI: The Cluster Ionization Mechanism. <i>Chemical Reviews</i> , 2003, 103, 427-440.	23.0	539
2	Metabolite patterns predicting sex and age in participants of the Karlsruhe Metabolomics and Nutrition (KarMeN) study. <i>PLoS ONE</i> , 2017, 12, e0183228.	1.1	150
3	Silica- and Alkoxysilane-Coated Ultrasmall Superparamagnetic Iron Oxide Particles: A Promising Tool To Label Cells for Magnetic Resonance Imaging. <i>Langmuir</i> , 2007, 23, 1427-1434.	1.6	141
4	Analyte Incorporation and Ionization in Matrix-Assisted Laser Desorption/Ionization Visualized by pH Indicator Molecular Probes. <i>Analytical Chemistry</i> , 2001, 73, 5812-5821.	3.2	84
5	Associations of current diet with plasma and urine TMAO in the KarMeN study: direct and indirect contributions. <i>Molecular Nutrition and Food Research</i> , 2017, 61, 1700363.	1.5	84
6	Mechanisms in MALDI analysis: surface interaction or incorporation of analytes?. <i>International Journal of Mass Spectrometry</i> , 2001, 210-211, 121-132.	0.7	77
7	Protein and Proteome Phosphorylation Stoichiometry Analysis by Element Mass Spectrometry. <i>Analytical Chemistry</i> , 2006, 78, 1987-1994.	3.2	71
8	Matrix-assisted laser desorption/ionization mass spectrometry for the characterization of ionic liquids and the analysis of amino acids, peptides and proteins in ionic liquids. <i>Journal of Mass Spectrometry</i> , 2004, 39, 1494-1505.	0.7	62
9	Neutral Loss-Based Phosphopeptide Recognition: A Collection of Caveats. <i>Journal of Proteome Research</i> , 2007, 6, 2866-2873.	1.8	47
10	^{34}S LC coupled to ICP-MS with post-column isotope dilution analysis of sulfur for absolute protein quantification. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 391, 537-543.	1.9	47
11	Iodoacetamide-alkylated methionine can mimic neutral loss of phosphoric acid from phosphopeptides as exemplified by nano-electrospray ionization quadrupole time-of-flight parent ion scanning. <i>Rapid Communications in Mass Spectrometry</i> , 2005, 19, 1709-1716.	0.7	42
12	Formation and fate of ion pairs during MALDI analysis: Anion adduct generation as an indicative tool to determine ionization processes. <i>Journal of the American Society for Mass Spectrometry</i> , 2002, 13, 1218-1226.	1.2	39
13	Quantification of the Fabry marker lysoGb3 in human plasma by tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2012, 883-884, 128-135.	1.2	32
14	Plant protein phosphorylation monitored by capillary liquid chromatography-element mass spectrometry. <i>Biochemical and Biophysical Research Communications</i> , 2007, 355, 89-96.	1.0	29
15	Trimethylamine-N-Oxide Postprandial Response in Plasma and Urine Is Lower After Fermented Compared to Non-Fermented Dairy Consumption in Healthy Adults. <i>Nutrients</i> , 2020, 12, 234.	1.7	27
16	A novel approach for analysis of oligonucleotide-cisplatin interactions by continuous elution gel electrophoresis coupled to isotope dilution inductively coupled plasma mass spectrometry and matrix-assisted laser desorption/ionization mass spectrometry. <i>Electrophoresis</i> , 2008, 29, 1451-1459.	1.3	26
17	Characterization of a gadolinium-tagged modular contrast agent by element and molecular mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2004, 19, 852-857.	1.6	22
18	Determination of globotriaosylceramide in plasma and urine by mass spectrometry. <i>Clinical Chemistry and Laboratory Medicine</i> , 2010, 48, 189-98.	1.4	22

#	ARTICLE	IF	CITATIONS
19	Matrix-analyte-interaction in MALDI-MS: Pellet and nano-electrospray preparations. International Journal of Mass Spectrometry, 2006, 249-250, 426-432.	0.7	20
20	Mass Spectrometric Sequencing of Individual Peptides from Combinatorial Libraries via Specific Generation of Chain-Terminated Sequences. ACS Combinatorial Science, 2002, 4, 79-86.	3.3	18
21	Impact of glucuronide interferences on therapeutic drug monitoring of posaconazole by tandem mass spectrometry. Clinical Chemistry and Laboratory Medicine, 2010, 48, 1723-1731.	1.4	18
22	The influence of a chronic L-carnitine administration on the plasma metabolome of male Fischer F344 rats*. Molecular Nutrition and Food Research, 2017, 61, 1600651.	1.5	15
23	High-Intensity Interval Training Decreases Resting Urinary Hypoxanthine Concentration in Young Active Men: A Metabolomic Approach. Metabolites, 2019, 9, 137.	1.3	12
24	Targeted ultra-performance liquid chromatography/tandem mass spectrometric quantification of methylated amines and selected amino acids in biofluids. Rapid Communications in Mass Spectrometry, 2020, 34, e8646.	0.7	10
25	Determination of naltrexone and 6 ³ H-naltrexol in human blood: comparison of high-performance liquid chromatography with spectrophotometric and tandem-mass-spectrometric detection. Analytical and Bioanalytical Chemistry, 2010, 396, 1249-1257.	1.9	9
26	Specific Wheat Fractions Influence Hepatic Fat Metabolism in Diet-Induced Obese Mice. Nutrients, 2019, 11, 2348.	1.7	9
27	Quantification of Protein Phosphorylation by ¹ H-LC-ICP-MS. Methods in Molecular Biology, 2009, 527, 201-218.	0.4	8
28	Roux-En-Y Gastric Bypass (RYGB) Surgery during High Liquid Sucrose Diet Leads to Gut Microbiota-Related Systematic Alterations. International Journal of Molecular Sciences, 2022, 23, 1126.	1.8	7
29	Sex-Specific Relationship between the Cardiorespiratory Fitness and Plasma Metabolite Patterns in Healthy Humans—Results of the KarMeN Study. Metabolites, 2021, 11, 463.	1.3	6
30	Dietary essential α -linolenic acid and linoleic acid differentially modulate TNF α -induced NF κ B activity in FADS2-deficient HEK-293 cells. International Journal of Food Sciences and Nutrition, 2017, 68, 553-559.	1.3	5
31	Lipophilic compounds, but not fucoxanthin, mediate the genotoxic effect of photoautotrophic grown Phaeodactylum tricornutum in Caco-2 and HT-29 cells. Journal of Functional Foods, 2020, 64, 103671.	1.6	4
32	A New Edman-Type Reagent for High Sensitive Protein Sequencing. Principles and Practice, 2004, , 269-278.	0.3	0