

Alexander Benedikt Leichtle

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5520184/publications.pdf>

Version: 2024-02-01

97
papers

3,534
citations

136950

32
h-index

149698

56
g-index

103
all docs

103
docs citations

103
times ranked

5992
citing authors

#	ARTICLE	IF	CITATIONS
1	Standardized Approach to Proteome Profiling of Human Serum Based on Magnetic Bead Separation and Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry. <i>Clinical Chemistry</i> , 2005, 51, 973-980.	3.2	214
2	New Reference Intervals for Thyrotropin and Thyroid Hormones Based on National Academy of Clinical Biochemistry Criteria and Regular Ultrasonography of the Thyroid. <i>Clinical Chemistry</i> , 2005, 51, 1480-1486.	3.2	202
3	Standardized Peptidome Profiling of Human Urine by Magnetic Bead Separation and Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry. <i>Clinical Chemistry</i> , 2007, 53, 421-428.	3.2	161
4	Serum Levels of Acylcarnitines Are Altered in Prediabetic Conditions. <i>PLoS ONE</i> , 2013, 8, e82459.	2.5	160
5	Association of the Intestinal Microbiome with the Development of Neovascular Age-Related Macular Degeneration. <i>Scientific Reports</i> , 2017, 7, 40826.	3.3	149
6	Genetic Regulation of Serum Phytosterol Levels and Risk of Coronary Artery Disease. <i>Circulation: Cardiovascular Genetics</i> , 2010, 3, 331-339.	5.1	141
7	Rapid quantification of free and esterified phytosterols in human serum using APPI-LC-MS/MS. <i>Journal of Lipid Research</i> , 2005, 46, 21-26.	4.2	132
8	Serum amino acid profiles and their alterations in colorectal cancer. <i>Metabolomics</i> , 2012, 8, 643-653.	3.0	117
9	Rapid quantification of steroid patterns in human serum by on-line solid phase extraction combined with liquid chromatography-triple quadrupole linear ion trap mass spectrometry. <i>Clinica Chimica Acta</i> , 2009, 401, 114-118.	1.1	110
10	Effect of Increased Exercise in School Children on Physical Fitness and Endothelial Progenitor Cells. <i>Circulation</i> , 2009, 120, 2251-2259.	1.6	107
11	Characteristics, Symptoms, and Outcome of Severe Dysnatremias Present on Hospital Admission. <i>American Journal of Medicine</i> , 2012, 125, 1125.e1-1125.e7.	1.5	103
12	Serum Peptidome Profiling Revealed Platelet Factor 4 as a Potential Discriminating Peptide Associated with Pancreatic Cancer. <i>Clinical Cancer Research</i> , 2009, 15, 3812-3819.	7.0	101
13	Quantitative Analysis of Fluorescence Lifetime Measurements of the Macula Using the Fluorescence Lifetime Imaging Ophthalmoscope in Healthy Subjects. , 2014, 55, 2106.		100
14	Challenges and developments in tandem mass spectrometry based clinical metabolomics. <i>Molecular and Cellular Endocrinology</i> , 2009, 301, 266-271.	3.2	98
15	A survey on the future of radiology among radiologists, medical students and surgeons: Students and surgeons tend to be more skeptical about artificial intelligence and radiologists may fear that other disciplines take over. <i>European Journal of Radiology</i> , 2019, 121, 108742.	2.6	72
16	Lead Poisoning Due to Adulterated Marijuana. <i>New England Journal of Medicine</i> , 2008, 358, 1641-1642.	27.0	68
17	Impact of diuretic therapy-associated electrolyte disorders present on admission to the emergency department: a cross-sectional analysis. <i>BMC Medicine</i> , 2013, 11, 83.	5.5	61
18	Hypercalcemia in the ED: prevalence, etiology, and outcome. <i>American Journal of Emergency Medicine</i> , 2013, 31, 657-660.	1.6	56

#	ARTICLE	IF	CITATIONS
19	Tumor necrosis factor stimulates fibroblast growth factor 23 levels in chronic kidney disease and non-renal inflammation. <i>Kidney International</i> , 2019, 96, 890-905.	5.2	56
20	Diagnostic Performance of High-Sensitive Troponin T in Patients With Renal Insufficiency. <i>American Journal of Cardiology</i> , 2013, 112, 1968-1972.	1.6	51
21	Fibroblast growth factor 23 and markers of mineral metabolism in individuals with preserved renal function. <i>Kidney International</i> , 2016, 90, 648-657.	5.2	51
22	Preanalytical standardization of amino acid and acylcarnitine metabolite profiling in human blood using tandem mass spectrometry. <i>Metabolomics</i> , 2011, 7, 344-352.	3.0	47
23	Hyperphosphatemia Is an Independent Risk Factor for Mortality in Critically Ill Patients: Results from a Cross-Sectional Study. <i>PLoS ONE</i> , 2015, 10, e0133426.	2.5	46
24	Influence of centrifugation conditions on the results of 77 routine clinical chemistry analytes using standard vacuum blood collection tubes and the new BD-Barricor tubes. <i>Biochemia Medica</i> , 2018, 28, 010704.	2.7	45
25	Fatty Acid and Peptide Profiles in Plasma Membrane and Membrane Rafts of PUFA Supplemented RAW264.7 Macrophages. <i>PLoS ONE</i> , 2011, 6, e24066.	2.5	44
26	Etiology and symptoms of severe hypokalemia in emergency department patients. <i>European Journal of Emergency Medicine</i> , 2013, 21, 1.	1.1	41
27	D-dimer to Rule Out Pulmonary Embolism in Renal Insufficiency. <i>American Journal of Medicine</i> , 2014, 127, 343-347.	1.5	41
28	Age-Related Variety in Electrolyte Levels and Prevalence of Dysnatremias and Dyskalemias in Patients Presenting to the Emergency Department. <i>Gerontology</i> , 2014, 60, 420-423.	2.8	40
29	Lipoprotein(a) is associated with large artery atherosclerosis stroke aetiology and stroke recurrence among patients below the age of 60 years: results from the BIOSIGNAL study. <i>European Heart Journal</i> , 2021, 42, 2186-2196.	2.2	40
30	Pancreatic carcinoma, pancreatitis, and healthy controls: metabolite models in a three-class diagnostic dilemma. <i>Metabolomics</i> , 2013, 9, 677-687.	3.0	39
31	Hypoglycemia is associated with increased mortality in patients with acute decompensated liver cirrhosis. <i>Journal of Critical Care</i> , 2014, 29, 316.e7-316.e12.	2.2	39
32	Hypermagnesemia is a strong independent risk factor for mortality in critically ill patients: Results from a cross-sectional study. <i>European Journal of Internal Medicine</i> , 2015, 26, 504-507.	2.2	37
33	Standardized peptidome profiling of human cerebrospinal fluid by magnetic bead separation and matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. <i>Journal of Proteomics</i> , 2009, 72, 608-615.	2.4	36
34	Does centrifugation matter? Centrifugal force and spinning time alter the plasma metabolome. <i>Metabolomics</i> , 2016, 12, 159.	3.0	31
35	Hyperkalemia in the emergency department: Etiology, symptoms and outcome of a life threatening electrolyte disorder. <i>European Journal of Internal Medicine</i> , 2013, 24, e59-e60.	2.2	30
36	PR3-ANCA and panel diagnostics in pediatric inflammatory bowel disease to distinguish ulcerative colitis from Crohn's disease. <i>PLoS ONE</i> , 2018, 13, e0208974.	2.5	30

#	ARTICLE	IF	CITATIONS
37	Potential of Dried Blood Self-Sampling for CyclosporineC2Monitoring in Transplant Outpatients. <i>Journal of Transplantation</i> , 2010, 2010, 1-6.	0.5	28
38	Impact of proton pump inhibitor use on magnesium homoeostasis: a cross-sectional study in a tertiary emergency department. <i>International Journal of Clinical Practice</i> , 2014, 68, 1352-1357.	1.7	28
39	Potentials and pitfalls of clinical peptidomics and metabolomics. <i>Swiss Medical Weekly</i> , 2013, 143, w13801.	1.6	26
40	Lead Poisoning Due to Adulterated Marijuana in Leipzig. <i>Deutsches A&#x0308;rztblatt International</i> , 2008, 105, 757-62.	0.9	25
41	Thyroid function and serum electrolytes: does an association really exist?. <i>Swiss Medical Weekly</i> , 2012, 142, w13669.	1.6	24
42	The association between nurse staffing and inpatient mortality: a shift-level retrospective longitudinal study. <i>International Journal of Nursing Studies</i> , 2021, 120, 103950.	5.6	23
43	Calcium Disorders in the Emergency Department: Independent Risk Factors for Mortality. <i>PLoS ONE</i> , 2015, 10, e0132788.	2.5	23
44	S-100 B Concentrations Are a Predictor of Decreased Survival in Patients with Major Trauma, Independently of Head Injury. <i>PLoS ONE</i> , 2016, 11, e0152822.	2.5	23
45	Utility of quick sepsis-related organ failure assessment (qSOFA) to predict outcome in patients with pneumonia. <i>PLoS ONE</i> , 2017, 12, e0188913.	2.5	22
46	Sparse Proteomics Analysis â€“ a compressed sensing-based approach for feature selection and classification of high-dimensional proteomics mass spectrometry data. <i>BMC Bioinformatics</i> , 2017, 18, 160.	2.6	21
47	Body weight and oral contraceptives are the most important modulators of serum CRP levels. <i>Scandinavian Journal of Clinical and Laboratory Investigation</i> , 2008, 68, 140-144.	1.2	20
48	Electrolyte Disorders and In-Hospital Mortality during Prolonged Heat Periods: A Cross-Sectional Analysis. <i>PLoS ONE</i> , 2014, 9, e92150.	2.5	20
49	Increased endothelial microparticles and oxidative stress at extreme altitude. <i>European Journal of Applied Physiology</i> , 2016, 116, 739-748.	2.5	19
50	High sensitive cardiac troponin T: Testing the test. <i>International Journal of Cardiology</i> , 2017, 228, 779-783.	1.7	18
51	Exhaled breath condensate as a potential biomarker tool for idiopathic pulmonary fibrosisâ€”a pilot study. <i>Journal of Breath Research</i> , 2018, 12, 016003.	3.0	17
52	Effects of a 2-y dietary weight-loss intervention on cholesterol metabolism in moderately obese men. <i>American Journal of Clinical Nutrition</i> , 2011, 94, 1189-1195.	4.7	15
53	Primary Hyperventilation in the Emergency Department: A First Overview. <i>PLoS ONE</i> , 2015, 10, e0129562.	2.5	15
54	Acute S100B in serum is associated with cognitive symptoms and memory performance 4 months after paediatric mild traumatic brain injury. <i>Brain Injury</i> , 2015, 29, 1667-1673.	1.2	15

#	ARTICLE	IF	CITATIONS
55	Serum Free Light Chain Assay: Shift Toward a Higher κ/λ Ratio. <i>Journal of Applied Laboratory Medicine</i> , 2020, 5, 114-125.	1.3	15
56	Volumetric Food Quantification Using Computer Vision on a Depth-Sensing Smartphone: Preclinical Study. <i>JMIR MHealth and UHealth</i> , 2020, 8, e15294.	3.7	15
57	Longitudinal Study of the Variation in Patient Turnover and Patient-to-Nurse Ratio: Descriptive Analysis of a Swiss University Hospital. <i>Journal of Medical Internet Research</i> , 2020, 22, e15554.	4.3	15
58	Accuracy and Calibration of Computational Approaches for Inpatient Mortality Predictive Modeling. <i>PLoS ONE</i> , 2016, 11, e0159046.	2.5	14
59	Alpha-Tocopherol Distribution in Lipoproteins and Anti-Inflammatory Effects Differ between CHD-Patients and Healthy Subjects. <i>Journal of the American College of Nutrition</i> , 2006, 25, 420-428.	1.8	12
60	Presentation and formatting of laboratory results: a narrative review on behalf of the European Federation of Clinical Chemistry and Laboratory Medicine (EFLM) Working Group κ -postanalytical phase (WG-POST). <i>Critical Reviews in Clinical Laboratory Sciences</i> , 2021, 58, 329-353.	6.1	11
61	The development and validation of different decision-making tools to predict urine culture growth out of urine flow cytometry parameter. <i>PLoS ONE</i> , 2018, 13, e0193255.	2.5	11
62	Renal Function κ Adjusted d-Dimer Levels in Critically Ill Patients With Suspected Thromboembolism*. <i>Critical Care Medicine</i> , 2020, 48, e270-e276.	0.9	10
63	Cohort profile: The Swiss Transplant Cohort Study (STCS): A nationwide longitudinal cohort study of all solid organ recipients in Switzerland. <i>BMJ Open</i> , 2021, 11, e051176.	1.9	10
64	Rapid Centrifugation in the Routine Hemostasis Laboratory. <i>Thrombosis and Haemostasis</i> , 2019, 119, 2025-2033.	3.4	9
65	Role of D-Dimer testing in venous thromboembolism with concomitant renal insufficiency in critical care. <i>Intensive Care Medicine</i> , 2017, 43, 470-471.	8.2	8
66	Parathyroid Hormone and Plasma Phosphate Are Predictors of Soluble κ -Klotho Levels in Adults of European Descent. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020, 105, e1135-e1143.	3.6	8
67	Machine Learning Prediction of Hypoglycemia and Hyperglycemia From Electronic Health Records: Algorithm Development and Validation. <i>JMIR Formative Research</i> , 2022, 6, e36176.	1.4	8
68	Age is not associated with intracranial haemorrhage in patients with mild traumatic brain injury and oral anticoagulation. <i>Journal of Negative Results in BioMedicine</i> , 2016, 15, 12.	1.4	7
69	Beating the Noise: New Statistical Methods for Detecting Signals in MALDI-TOF Spectra Below Noise Level. <i>Lecture Notes in Computer Science</i> , 2006, , 119-128.	1.3	7
70	High-Sensitive Troponin Measurement in Emergency Department Patients Presenting with Syncope: A Retrospective Analysis. <i>PLoS ONE</i> , 2013, 8, e66470.	2.5	6
71	Diagnostic significance of high sensitivity troponin in diagnosis of blunt cardiac injury. <i>Intensive Care Medicine</i> , 2014, 40, 623-624.	8.2	6
72	Standard-Arbeitsanleitung zur peripher ven κ sen Blutentnahme f κ r die labormedizinische Diagnostik. <i>Laboratoriums Medizin</i> , 2017, 41, 333-340.	0.6	6

#	ARTICLE	IF	CITATIONS
73	Interoperability of laboratory data in Switzerland – a spotlight on Bern. <i>Laboratoriums Medizin</i> , 2018, 42, 251-258.	0.6	6
74	Diagnosis of Urinary Tract Infections by Urine Flow Cytometry: Adjusted Cut-Off Values in Different Clinical Presentations. <i>Disease Markers</i> , 2019, 2019, 1-10.	1.3	6
75	The links of hepcidin and erythropoietin in the interplay of inflammation and iron deficiency in a large observational study of rheumatoid arthritis. <i>British Journal of Haematology</i> , 2019, 186, 101-112.	2.5	6
76	Standardized Preprocessing of Urine for Proteome Analysis. <i>Methods in Molecular Biology</i> , 2010, 641, 47-63.	0.9	6
77	Simultaneous eicosanoid profiling and identification by liquid chromatography and hybrid triple quadrupole-linear ion trap mass spectrometry for metabolomic studies in human plasma / Multiparametrische Bestimmung und Identifizierung von Eikosanoiden mit Flüssigchromatographie in Kombination mit Hybrid-Quadrupol/lineare Ionenfallen Massenspektrometrie für Metabolom-Studien in Humanplasma. <i>Laboratoriums Medizin</i> , 2009, 33, 341-348.	0.6	5
78	A comparative study of pattern recognition algorithms for predicting the inpatient mortality risk using routine laboratory measurements. <i>Artificial Intelligence Review</i> , 2019, 52, 2559-2573.	15.7	5
79	Independent Prognostic Value of MRproANP (Midregional Proatrial Natriuretic Peptide) Levels in Patients With Stroke Is Unaltered Over Time. <i>Stroke</i> , 2020, 51, 1873-1875.	2.0	5
80	Short-term fasting attenuates overall steroid hormone biosynthesis in healthy young women. <i>Journal of the Endocrine Society</i> , 0, , .	0.2	5
81	Use of Diuretics is not associated with mortality in patients admitted to the emergency department: results from a cross-sectional study. <i>Journal of Negative Results in BioMedicine</i> , 2016, 15, 1.	1.4	4
82	Doubling immunochemistry laboratory testing efficiency with the cobas e 801 module while maintaining consistency in analytical performance. <i>Clinical Biochemistry</i> , 2018, 58, 86-93.	1.9	4
83	Real-world Health Data and Precision for the Diagnosis of Acute Kidney Injury, Acute-on-Chronic Kidney Disease, and Chronic Kidney Disease: Observational Study. <i>JMIR Medical Informatics</i> , 2022, 10, e31356.	2.6	4
84	A metabolomics approach to uncover effects of different exercise modalities in type 1 diabetes. <i>Metabolomics</i> , 2017, 13, 1.	3.0	3
85	The effect of a previous created distal arteriovenous-fistula on radial bone DXA measurements in prevalent renal transplant recipients. <i>PLoS ONE</i> , 2018, 13, e0200708.	2.5	3
86	Pathological cerebrospinal fluid protein concentration and albumin quotient at relapse predicts short-term disability progression in multiple sclerosis: a retrospective single center observational study. <i>Therapeutic Advances in Neurological Disorders</i> , 2020, 13, 175628642097590.	3.5	3
87	Time Requirement and Feasibility of a Systematic Quality Peer Review of Reporting in Radiology. <i>RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren</i> , 2021, 193, 160-167.	1.3	2
88	Urine Flow Cytometry Parameter Cannot Safely Predict Contamination of Urine – A Cohort Study of a Swiss Emergency Department Using Machine Learning Techniques. <i>Diagnostics</i> , 2022, 12, 1008.	2.6	2
89	Biomarker – vom Sein und Wesen. <i>Laboratoriums Medizin</i> , 2015, 39, 97-101.	0.6	1
90	Targeted and global pharmacometabolomics in everolimus-based immunosuppression: association of co-medication and lysophosphatidylcholines with dose requirement. <i>Metabolomics</i> , 2018, 14, 3.	3.0	1

#	ARTICLE	IF	CITATIONS
91	Bootstrap-based testing approaches for the assessment of the diagnostic accuracy of biomarkers subject to a limit of detection. <i>Statistical Methods in Medical Research</i> , 2019, 28, 1564-1578.	1.5	1
92	Effects of Freezing and Thawing Procedures on Selected Clinical Chemistry Parameters in Plasma. <i>Biopreservation and Biobanking</i> , 2020, 18, 297-304.	1.0	1
93	Pre-transplant Social Adaptability Index and clinical outcomes in renal transplantation: The Swiss Transplant Cohort study. <i>Clinical Transplantation</i> , 2021, 35, e14218.	1.6	1
94	Requirements for electronic laboratory reports according to the German guideline Rili-BAEK and ISO 15189. <i>Journal of Laboratory Medicine</i> , 2021, 45, 197-203.	1.1	1
95	SPHN/PHRT - MedCo in Action: Empowering the Swiss Molecular Tumor Board with Privacy-Preserving and Real-Time Patient Discovery. <i>Studies in Health Technology and Informatics</i> , 2020, 270, 1161-1162.	0.3	1
96	Computed exercise plasma lactate concentrations: A conversion formula. <i>Practical Laboratory Medicine</i> , 2016, 4, 11-15.	1.3	0
97	In response to the letter to the editor on our manuscript "High sensitive cardiac troponin T: Testing the test" by Dr. Badertscher. <i>International Journal of Cardiology</i> , 2017, 234, 127.	1.7	0