

Astrid Petersmann

List of Publications by Year in descending order

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Version: 2024-02-01

53
papers

5,167
citations

279798

23
h-index

161849

54
g-index

55
all docs

55
docs citations

55
times ranked

13534
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of a pneumatic tube system carrier prototype with fixing mechanism allowing for automated unloading. <i>Clinical Chemistry and Laboratory Medicine</i> , 2022, 60, 1202-1210.	2.3	1
2	Variability of Thyroid Measurements from Ultrasound and Laboratory in a Repeated Measurements Study. <i>European Thyroid Journal</i> , 2021, 10, 140-149.	2.4	5
3	Relative Efficacy of Different Strategies for Inhibition of in Vitro Glycolysis. <i>Clinical Chemistry</i> , 2021, 67, 1032-1034.	3.2	10
4	Measurement Uncertainty Impacts Diagnosis of Diabetes Mellitus: Reliable Minimal Difference of Plasma Glucose Results. <i>Diabetes Therapy</i> , 2020, 11, 293-303.	2.5	22
5	Disregarded Measurement Uncertainty Contributions and Their Magnitude in Measuring Plasma Glucose. <i>Journal of Diabetes Science and Technology</i> , 2020, , 193229682096635.	2.2	3
6	Auricular stimulation vs. expressive writing for exam anxiety in medical students – A randomized crossover investigation. <i>PLoS ONE</i> , 2020, 15, e0238307.	2.5	12
7	Gene-educational attainment interactions in a multi-ancestry genome-wide meta-analysis identify novel blood pressure loci. <i>Molecular Psychiatry</i> , 2020, 26, 2111-2125.	7.9	17
8	Response to Dr. Sadler’s comments. <i>Scandinavian Journal of Clinical and Laboratory Investigation</i> , 2020, 80, 448-449.	1.2	0
9	Free light chain kappa and the polyspecific immune response in MS and CIS – Application of the hyperbolic reference range for most reliable data interpretation. <i>Journal of Neuroimmunology</i> , 2020, 346, 577287.	2.3	16
10	Effect of periodontal therapy on adipokine biomarkers in overweight. <i>Journal of Clinical Periodontology</i> , 2020, 47, 842-850.	4.9	3
11	Is the Obesity Paradox in Type 2 Diabetes Due to Artefacts of Biases? An Analysis of Pooled Cohort Data from the Heinz Nixdorf Recall Study and the Study of Health in Pomerania. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , 2020, Volume 13, 1989-2000.	2.4	3
12	Measurement repeatability profiles of eight frequently requested measurands in clinical chemistry determined by duplicate measurements of patient samples. <i>Scandinavian Journal of Clinical and Laboratory Investigation</i> , 2020, 80, 202-209.	1.2	10
13	Effects of Calcium, Magnesium, and Potassium Concentrations on Ventricular Repolarization in Unselected Individuals. <i>Journal of the American College of Cardiology</i> , 2019, 73, 3118-3131.	2.8	27
14	Mean platelet volume is more important than age for defining reference intervals of platelet counts. <i>PLoS ONE</i> , 2019, 14, e0213658.	2.5	17
15	Relevant criteria for the selection of cryotubes. Experiences from the German National Cohort. <i>Journal of Laboratory Medicine</i> , 2019, 43, 339-345.	1.1	2
16	Definition, Classification and Diagnosis of Diabetes Mellitus. <i>Experimental and Clinical Endocrinology and Diabetes</i> , 2019, 127, S1-S7.	1.2	263
17	Associations of Mitochondrial and Nuclear Mitochondrial Variants and Genes with Seven Metabolic Traits. <i>American Journal of Human Genetics</i> , 2019, 104, 112-138.	6.2	106
18	Integrated biobanks facilitate high-quality collection and analysis of liquid biomaterials. <i>Journal of Laboratory Medicine</i> , 2019, 43, 355-358.	1.1	2

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19	High-Sensitivity Cardiac Troponin T: Association of Creatine Kinase Catalytic Activity With the 99th Percentile. <i>Clinical Chemistry</i> , 2018, 64, 973-974.	3.2	3
20	External quality assessment schemes for glucose measurements in Germany: factors for successful participation, analytical performance and medical impact. <i>Clinical Chemistry and Laboratory Medicine</i> , 2018, 56, 1238-1250.	2.3	15
21	Impact of Glucose Measuring Systems and Sample Type on Diagnosis Rates of Diabetes Mellitus. <i>Diabetes Therapy</i> , 2018, 9, 2029-2041.	2.5	6
22	Comprehensive Metabolic Profiling Reveals a Lipid-Rich Fingerprint of Free Thyroxine Far Beyond Classic Parameters. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2018, 103, 2050-2060.	3.6	8
23	Definition, Classification and Diagnosis of Diabetes Mellitus. <i>Experimental and Clinical Endocrinology and Diabetes</i> , 2018, 126, 406-410.	1.2	80
24	Auricular Acupuncture for Treatment of Preoperative Anxiety in Patients Scheduled for Ambulatory Gynaecological Surgery: A Prospective Controlled Investigation with a Non-Randomised Arm. <i>Acupuncture in Medicine</i> , 2018, 36, 222-227.	1.0	18
25	The 99th percentile and imprecision of point-of-care cardiac troponin I in comparison to central laboratory tests in a large reference population. <i>Clinical Biochemistry</i> , 2017, 50, 1198-1202.	1.9	6
26	Periodontitis and Non-alcoholic Fatty Liver Disease, a population-based cohort investigation in the Study of Health in Pomerania. <i>Journal of Clinical Periodontology</i> , 2017, 44, 1077-1087.	4.9	49
27	Diagnostic performance of point-of-care and central laboratory cardiac troponin assays in an emergency department. <i>PLoS ONE</i> , 2017, 12, e0188706.	2.5	9
28	Analytical robustness of nine common assays: frequency of outliers and extreme differences identified by a large number of duplicate measurements. <i>Biochemia Medica</i> , 2017, 27, 192-198.	2.7	5
29	Exome Genotyping Identifies Pleiotropic Variants Associated with Red Blood Cell Traits. <i>American Journal of Human Genetics</i> , 2016, 99, 8-21.	6.2	60
30	Troponin I and cardiovascular risk prediction in the general population: the BiomarCaRE consortium. <i>European Heart Journal</i> , 2016, 37, 2428-2437.	2.2	200
31	Impact of physical activity of individuals and creatine kinase on 99th percentiles of troponin I assays. <i>Clinica Chimica Acta</i> , 2016, 462, 187-192.	1.1	5
32	Novel multiple sclerosis susceptibility loci implicated in epigenetic regulation. <i>Science Advances</i> , 2016, 2, e1501678.	10.3	133
33	Serum vitamin B12 is inversely associated with periodontal progression and risk of tooth loss: a prospective cohort study. <i>Journal of Clinical Periodontology</i> , 2016, 43, 2-9.	4.9	40
34	Cell Specific eQTL Analysis without Sorting Cells. <i>PLoS Genetics</i> , 2015, 11, e1005223.	3.5	115
35	Large-scale genomic analyses link reproductive aging to hypothalamic signaling, breast cancer susceptibility and BRCA1-mediated DNA repair. <i>Nature Genetics</i> , 2015, 47, 1294-1303.	21.4	357
36	Mapping the Genetic Architecture of Gene Regulation in Whole Blood. <i>PLoS ONE</i> , 2014, 9, e93844.	2.5	31

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37	Diagnosis of late presenting subarachnoid hemorrhage: Comparison of methods for cerebrospinal fluid ferritin. <i>Scandinavian Journal of Clinical and Laboratory Investigation</i> , 2014, 74, 524-526.	1.2	1
38	Genome-wide association study of chronic periodontitis in a general German population. <i>Journal of Clinical Periodontology</i> , 2013, 40, 977-985.	4.9	123
39	A Genome-Wide Association Study of Depressive Symptoms. <i>Biological Psychiatry</i> , 2013, 73, 667-678.	1.3	149
40	Frequency of Extreme Differences and Clinical Performance of Glucose Concentration Measurements Judged from 21 000 Duplicate Measurements. <i>Clinical Chemistry</i> , 2013, 59, 998-1000.	3.2	4
41	Genetic epistasis between the brain-derived neurotrophic factor Val66Met polymorphism and the 5-HTT promoter polymorphism moderates the susceptibility to depressive disorders after childhood abuse. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2012, 36, 264-270.	4.8	73
42	Association Between Chromosome 9p21 Variants and the Ankle-Brachial Index Identified by a Meta-Analysis of 21 Genome-Wide Association Studies. <i>Circulation: Cardiovascular Genetics</i> , 2012, 5, 100-112.	5.1	98
43	Low serum magnesium concentrations predict cardiovascular and all-cause mortality. <i>Atherosclerosis</i> , 2011, 219, 280-284.	0.8	113
44	Determination of Hemolysis Thresholds by the Use of Data Loggers in Pneumatic Tube Systems. <i>Clinical Chemistry</i> , 2011, 57, 1390-1397.	3.2	62
45	EFQM in Laboratorien: Bericht über die INQUAM-Tagung 2011. <i>Laboratoriums Medizin</i> , 2011, 35, 383-384.	0.6	1
46	Hundreds of variants clustered in genomic loci and biological pathways affect human height. <i>Nature</i> , 2010, 467, 832-838.	27.8	1,789
47	Meta-analysis and imputation refines the association of 15q25 with smoking quantity. <i>Nature Genetics</i> , 2010, 42, 436-440.	21.4	581
48	Common variants in 22 loci are associated with QRS duration and cardiac ventricular conduction. <i>Nature Genetics</i> , 2010, 42, 1068-1076.	21.4	308
49	Propranolol selectively blocks the enhanced parietal old/new effect during long-term recollection of unpleasant pictures: A high density ERP study. <i>NeuroImage</i> , 2010, 49, 2800-2806.	4.2	37
50	The Association Between Alcohol Consumption and Biomarkers of Alcohol Exposure With Total Serum Immunoglobulin E Levels. <i>Alcoholism: Clinical and Experimental Research</i> , 2008, 32, 983-990.	2.4	18
51	Mitochondrial DNA instability in malignant melanoma of the skin is mostly restricted to nodular and metastatic stages. <i>Melanoma Research</i> , 2004, 14, 501-508.	1.2	20
52	Relationship Between Mitochondrial DNA Instability, Mitochondrial DNA Large Deletions, and Nuclear Microsatellite Instability in Head and Neck Squamous Cell Carcinomas. <i>Diagnostic Molecular Pathology</i> , 2004, 13, 26-32.	2.1	29
53	Impaired expression of the plastidic ferrochelatase by antisense RNA synthesis leads to a necrotic phenotype of transformed tobacco plants. <i>Plant Journal</i> , 2001, 28, 41-50.	5.7	76