# Astrid Petersmann

List of Publications by Year
in descending order

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|---|---|---|---|
| 53 papers | 5,167 citations | 279798<br>23 h-index | 161849<br>54 g-index |
| 55 all docs | 55 docs citations | 55 times ranked | 13534 citing authors |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 1 | Hundreds of variants clustered in genomic loci and biological pathways affect human height. Nature, 2010, 467, 832-838. | 27.8 | 1,789 |
| 2 | Meta-analysis and imputation refines the association of 15q25 with smoking quantity. Nature Genetics, 2010, 42, 436-440. | 21.4 | 581 |
| 3 | Large-scale genomic analyses link reproductive aging to hypothalamic signaling, breast cancer susceptibility and BRCA1-mediated DNA repair. Nature Genetics, 2015, 47, 1294-1303. | 21.4 | 357 |
| 4 | Common variants in 22 loci are associated with QRS duration and cardiac ventricular conduction. Nature Genetics, 2010, 42, 1068-1076. | 21.4 | 308 |
| 5 | Definition, Classification and Diagnosis of Diabetes Mellitus. Experimental and Clinical Endocrinology and Diabetes, 2019, 127, S1-S7. | 1.2 | 263 |
| 6 | Troponin I and cardiovascular risk prediction in the general population: the BiomarCaRE consortium. European Heart Journal, 2016, 37, 2428-2437. | 2.2 | 200 |
| 7 | A Genome-Wide Association Study of Depressive Symptoms. Biological Psychiatry, 2013, 73, 667-678. | 1.3 | 149 |
| 8 | Novel multiple sclerosis susceptibility loci implicated in epigenetic regulation. Science Advances, 2016, 2, e1501678. | 10.3 | 133 |
| 9 | Genome‑wide association study of chronic periodontitis in a general German population. Journal of Clinical Periodontology, 2013, 40, 977-985. | 4.9 | 123 |
| 10 | Cell Specific eQTL Analysis without Sorting Cells. PLoS Genetics, 2015, 11, e1005223. | 3.5 | 115 |
| 11 | Low serum magnesium concentrations predict cardiovascular and all-cause mortality. Atherosclerosis, 2011, 219, 280-284. | 0.8 | 113 |
| 12 | Associations of Mitochondrial and Nuclear Mitochondrial Variants and Genes with Seven Metabolic Traits. American Journal of Human Genetics, 2019, 104, 112-138. | 6.2 | 106 |
| 13 | Association Between Chromosome 9p21 Variants and the Ankle-Brachial Index Identified by a Meta-Analysis of 21 Genome-Wide Association Studies. Circulation: Cardiovascular Genetics, 2012, 5, 100-112. | 5.1 | 98 |
| 14 | Definition, Classification and Diagnosis of Diabetes Mellitus. Experimental and Clinical Endocrinology and Diabetes, 2018, 126, 406-410. | 1.2 | 80 |
| 15 | Impaired expression of the plastidic ferrochelatase by antisense RNA synthesis leads to a necrotic phenotype of transformed tobacco plants. Plant Journal, 2001, 28, 41-50. | 5.7 | 76 |
| 16 | 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. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2012, 36, 264-270. | 4.8 | 73 |
| 17 | Determination of Hemolysis Thresholds by the Use of Data Loggers in Pneumatic Tube Systems. Clinical Chemistry, 2011, 57, 1390-1397. | 3.2 | 62 |
| 18 | Exome Genotyping Identifies Pleiotropic Variants Associated with Red Blood Cell Traits. American Journal of Human Genetics, 2016, 99, 8-21. | 6.2 | 60 |

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|---|---------|-----|-----------|
| 19 | Periodontitis and Nonâ€alcoholic Fatty Liver Disease, a populationâ€based cohort investigation in the Study of Health in Pomerania. Journal of Clinical Periodontology, 2017, 44, 1077-1087. | 4.9 | 49 |
| 20 | Serum vitamin B12 is inversely associated with periodontal progression and risk of tooth loss: a prospective cohort study. Journal of Clinical Periodontology, 2016, 43, 2-9. | 4.9 | 40 |
| 21 | Propranolol selectively blocks the enhanced parietal old/new effect during long-term recollection of unpleasant pictures: A high density ERP study. NeuroImage, 2010, 49, 2800-2806. | 4.2 | 37 |
| 22 | Mapping the Genetic Architecture of Gene Regulation in Whole Blood. PLoS ONE, 2014, 9, e93844. | 2.5 | 31 |
| 23 | Relationship Between Mitochondrial DNA Instability, Mitochondrial DNA Large Deletions, and Nuclear Microsatellite Instability in Head and Neck Squamous Cell Carcinomas. Diagnostic Molecular Pathology, 2004, 13, 26-32. | 2.1 | 29 |
| 24 | Effects of Calcium, Magnesium, and Potassium Concentrations on Ventricular Repolarization in Unselected Individuals. Journal of the American College of Cardiology, 2019, 73, 3118-3131. | 2.8 | 27 |
| 25 | Measurement Uncertainty Impacts Diagnosis of Diabetes Mellitus: Reliable Minimal Difference of Plasma Glucose Results. Diabetes Therapy, 2020, 11, 293-303. | 2.5 | 22 |
| 26 | Mitochondrial DNA instability in malignant melanoma of the skin is mostly restricted to nodular and metastatic stages. Melanoma Research, 2004, 14, 501-508. | 1.2 | 20 |
| 27 | The Association Between Alcohol Consumption and Biomarkers of Alcohol Exposure With Total Serum Immunoglobulin E Levels. Alcoholism: Clinical and Experimental Research, 2008, 32, 983-990. | 2.4 | 18 |
| 28 | Auricular Acupuncture for Treatment of Preoperative Anxiety in Patients Scheduled for Ambulatory Gynaecological Surgery: A Prospective Controlled Investigation with a Non-Randomised Arm. Acupuncture in Medicine, 2018, 36, 222-227. | 1.0 | 18 |
| 29 | Mean platelet volume is more important than age for defining reference intervals of platelet counts. PLoS ONE, 2019, 14, e0213658. | 2.5 | 17 |
| 30 | Gene-educational attainment interactions in a multi-ancestry genome-wide meta-analysis identify novel blood pressure loci. Molecular Psychiatry, 2020, 26, 2111-2125. | 7.9 | 17 |
| 31 | Free light chain kappa and the polyspecific immune response in MS and CIS â€" Application of the hyperbolic reference range for most reliable data interpretation. Journal of Neuroimmunology, 2020, 346, 577287. | 2.3 | 16 |
| 32 | External quality assessment schemes for glucose measurements in Germany: factors for successful participation, analytical performance and medical impact. Clinical Chemistry and Laboratory Medicine, 2018, 56, 1238-1250. | 2.3 | 15 |
| 33 | Auricular stimulation vs. expressive writing for exam anxiety in medical students â€" A randomized crossover investigation. PLoS ONE, 2020, 15, e0238307. | 2.5 | 12 |
| 34 | Measurement repeatability profiles of eight frequently requested measurands in clinical chemistry determined by duplicate measurements of patient samples. Scandinavian Journal of Clinical and Laboratory Investigation, 2020, 80, 202-209. | 1.2 | 10 |
| 35 | Relative Efficacy of Different Strategies for Inhibition of in Vitro Glycolysis. Clinical Chemistry, 2021, 67, 1032-1034. | 3.2 | 10 |
| 36 | Diagnostic performance of point-of-care and central laboratory cardiac troponin assays in an emergency department. PLoS ONE, 2017, 12, e0188706. | 2.5 | 9 |

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|---|---------|----|-----------|
| 37 | Comprehensive Metabolic Profiling Reveals a Lipid-Rich Fingerprint of Free Thyroxine Far Beyond Classic Parameters. Journal of Clinical Endocrinology and Metabolism, 2018, 103, 2050-2060. | 3.6 | 8 |
| 38 | The 99th percentile and imprecision of point-of-care cardiac troponin I in comparison to central laboratory tests in a large reference population. Clinical Biochemistry, 2017, 50, 1198-1202. | 1.9 | 6 |
| 39 | Impact of Glucose Measuring Systems and Sample Type on Diagnosis Rates of Diabetes Mellitus. Diabetes Therapy, 2018, 9, 2029-2041. | 2.5 | 6 |
| 40 | Impact of physical activity of individuals and creatine kinase on 99th percentiles of troponin I assays. Clinica Chimica Acta, 2016, 462, 187-192. | 1.1 | 5 |
| 41 | Variability of Thyroid Measurements from Ultrasound and Laboratory in a Repeated Measurements Study. European Thyroid Journal, 2021, 10, 140-149. | 2.4 | 5 |
| 42 | Analytical robustness of nine common assays: frequency of outliers and extreme differences identified by a large number of duplicate measurements. Biochemia Medica, 2017, 27, 192-198. | 2.7 | 5 |
| 43 | Frequency of Extreme Differences and Clinical Performance of Glucose Concentration Measurements Judged from 21 000 Duplicate Measurements. Clinical Chemistry, 2013, 59, 998-1000. | 3.2 | 4 |
| 44 | High-Sensitivity Cardiac Troponin T: Association of Creatine Kinase Catalytic Activity With the 99th Percentile. Clinical Chemistry, 2018, 64, 973-974. | 3.2 | 3 |
| 45 | Disregarded Measurement Uncertainty Contributions and Their Magnitude in Measuring Plasma Glucose. Journal of Diabetes Science and Technology, 2020, , 193229682096635. | 2.2 | 3 |
| 46 | Effect of periodontal therapy on adipokine biomarkers in overweight. Journal of Clinical Periodontology, 2020, 47, 842-850. | 4.9 | 3 |
| 47 | &lt;p&gt;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&lt;/p&gt;. Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy, 2020, Volume 13, 1989-2000. | 2.4 | 3 |
| 48 | Relevant criteria for the selection of cryotubes. Experiences from the German National Cohort. Journal of Laboratory Medicine, 2019, 43, 339-345. | 1.1 | 2 |
| 49 | Integrated biobanks facilitate high-quality collection and analysis of liquid biomaterials. Journal of Laboratory Medicine, 2019, 43, 355-358. | 1.1 | 2 |
| 50 | EFQM in Laboratorien: Bericht über die INQUAM-Tagung 2011. Laboratoriums Medizin, 2011, 35, 383-384. | 0.6 | 1 |
| 51 | Diagnosis of late presenting subarachnoid hemorrhage: Comparison of methods for cerebrospinal fluid ferritin. Scandinavian Journal of Clinical and Laboratory Investigation, 2014, 74, 524-526. | 1.2 | 1 |
| 52 | Evaluation of a pneumatic tube system carrier prototype with fixing mechanism allowing for automated unloading. Clinical Chemistry and Laboratory Medicine, 2022, 60, 1202-1210. | 2.3 | 1 |
| 53 | Response to Dr. Sadler's comments. Scandinavian Journal of Clinical and Laboratory Investigation, 2020, 80, 448-449. | 1.2 | 0 |