

Alain J Van Gool

List of Publications by Year in descending order

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Version: 2024-02-01

63
papers

3,616
citations

236925

25
h-index

133252

59
g-index

66
all docs

66
docs citations

66
times ranked

4052
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | ERCC6, a member of a subfamily of putative helicases, is involved in Cockayne's syndrome and preferential repair of active genes. <i>Cell</i> , 1992, 71, 939-953. | 28.9 | 698 |
| 2 | Defective Transcription-Coupled Repair in Cockayne Syndrome B Mice Is Associated with Skin Cancer Predisposition. <i>Cell</i> , 1997, 89, 425-435. | 28.9 | 301 |
| 3 | UV-induced ubiquitination of RNA polymerase II: a novel modification deficient in Cockayne syndrome cells.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996, 93, 11586-11590. | 7.1 | 290 |
| 4 | Genome sequencing and comparison of two nonhuman primate animal models, the cynomolgus and Chinese rhesus macaques. <i>Nature Biotechnology</i> , 2011, 29, 1019-1023. | 17.5 | 284 |
| 5 | The Cockayne syndrome B protein, involved in transcription-coupled DNA repair, resides in an RNA polymerase II-containing complex. <i>EMBO Journal</i> , 1997, 16, 5955-5965. | 7.8 | 232 |
| 6 | Molecular Analysis of Mutations in the CSB(ERCC6) Gene in Patients with Cockayne Syndrome. <i>American Journal of Human Genetics</i> , 1998, 62, 77-85. | 6.2 | 145 |
| 7 | Quantitative Proteomics and Metabolomics Analysis of Normal Human Cerebrospinal Fluid Samples*. <i>Molecular and Cellular Proteomics</i> , 2010, 9, 2063-2075. | 3.8 | 127 |
| 8 | Cockayne syndrome: defective repair of transcription?. <i>EMBO Journal</i> , 1997, 16, 4155-4162. | 7.8 | 106 |
| 9 | The Effect of Preanalytical Factors on Stability of the Proteome and Selected Metabolites in Cerebrospinal Fluid (CSF). <i>Journal of Proteome Research</i> , 2009, 8, 5511-5522. | 3.7 | 102 |
| 10 | Double Mutants of <i>Saccharomyces cerevisiae</i> with Alterations in Global Genome and Transcription-Coupled Repair. <i>Molecular and Cellular Biology</i> , 1996, 16, 496-502. | 2.3 | 99 |
| 11 | Biochemical and Biological Characterization of Wild-type and ATPase-deficient Cockayne Syndrome B Repair Protein. <i>Journal of Biological Chemistry</i> , 1998, 273, 11844-11851. | 3.4 | 98 |
| 12 | Assembly of the Escherichia coli RuvABC resolvosome directs the orientation of Holliday junction resolution. <i>Genes and Development</i> , 1999, 13, 1861-1870. | 5.9 | 85 |
| 13 | Functional interactions between the Holliday junction resolvase and the branch migration motor of Escherichia coli. <i>EMBO Journal</i> , 1998, 17, 1838-1845. | 7.8 | 77 |
| 14 | Analytical techniques for multiplex analysis of protein biomarkers. <i>Expert Review of Proteomics</i> , 2020, 17, 257-273. | 3.0 | 60 |
| 15 | The Impact of Delayed Storage on the Measured Proteome and Metabolome of Human Cerebrospinal Fluid. <i>Clinical Chemistry</i> , 2011, 57, 1703-1711. | 3.2 | 59 |
| 16 | Quantitative Matrix-Assisted Laser Desorption Ionization~Fourier Transform Ion Cyclotron Resonance (MALDI~FT-ICR) Peptide Profiling and Identification of Multiple-Sclerosis-Related Proteins. <i>Journal of Proteome Research</i> , 2009, 8, 1404-1414. | 3.7 | 51 |
| 17 | Inflammation biomarker discovery in Parkinson~ disease and atypical parkinsonisms. <i>BMC Neurology</i> , 2020, 20, 26. | 1.8 | 51 |
| 18 | Analysis of 953 Human Proteins from a Mitochondrial HEK293 Fraction by Complexome Profiling. <i>PLoS ONE</i> , 2013, 8, e68340. | 2.5 | 51 |

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|----|---|------|-----------|
| 19 | Bridging the translational innovation gap through good biomarker practice. <i>Nature Reviews Drug Discovery</i> , 2017, 16, 587-588. | 46.4 | 48 |
| 20 | Data Sharing Under the General Data Protection Regulation. <i>Hypertension</i> , 2021, 77, 1029-1035. | 2.7 | 47 |
| 21 | Uncovering a Predictive Molecular Signature for the Onset of NASH-Related Fibrosis in a Translational NASH Mouse Model. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2018, 5, 83-98.e10. | 4.5 | 44 |
| 22 | Mass Spectrometry for Identification, Monitoring, and Minimal Residual Disease Detection of M-Proteins. <i>Clinical Chemistry</i> , 2020, 66, 421-433. | 3.2 | 41 |
| 23 | A CHO mutant, UV40, that is sensitive to diverse mutagens and represents a new complementation group of mitomycin C sensitivity. <i>Mutation Research DNA Repair</i> , 1996, 363, 209-221. | 3.7 | 34 |
| 24 | From biomarker strategies to biomarker activities and back. <i>Drug Discovery Today</i> , 2010, 15, 121-126. | 6.4 | 29 |
| 25 | Mammalian nucleotide excision repair and syndromes. <i>Biochemical Society Transactions</i> , 1997, 25, 309-315. | 3.4 | 26 |
| 26 | Phenotypic heterogeneity in nucleotide excision repair mutants of rodent complementation groups 1 and 4. <i>Mutation Research DNA Repair</i> , 1997, 383, 91-106. | 3.7 | 25 |
| 27 | Molecular Portrait of the Progestagenic and Estrogenic Actions of Tibolone: Behavior of Cellular Networks in Response to Tibolone. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2005, 90, 973-983. | 3.6 | 25 |
| 28 | An integrated framework of personalized medicine: from individual genomes to participatory health care. <i>Croatian Medical Journal</i> , 2012, 53, 301-303. | 0.7 | 25 |
| 29 | Multiple Myeloma Minimal Residual Disease Detection: Targeted Mass Spectrometry in Blood vs Next-Generation Sequencing in Bone Marrow. <i>Clinical Chemistry</i> , 2021, 67, 1689-1698. | 3.2 | 24 |
| 30 | Evaluation of cyclooxygenase oxylipins as potential biomarker for obesity-associated adipose tissue inflammation and type 2 diabetes using targeted multiple reaction monitoring mass spectrometry. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2020, 160, 102157. | 2.2 | 21 |
| 31 | NMR and Pattern Recognition Can Distinguish Neuroinflammation and Peripheral Inflammation. <i>Journal of Proteome Research</i> , 2011, 10, 4428-4438. | 3.7 | 20 |
| 32 | The proteomic toolbox for studying cerebrospinal fluid. <i>Expert Review of Proteomics</i> , 2012, 9, 165-179. | 3.0 | 20 |
| 33 | Biosynthetic homeostasis and resilience of the complement system in health and infectious disease. <i>EBioMedicine</i> , 2019, 45, 303-313. | 6.1 | 20 |
| 34 | Minocycline Effects on the Cerebrospinal Fluid Proteome of Experimental Autoimmune Encephalomyelitis Rats. <i>Journal of Proteome Research</i> , 2012, 11, 4315-4325. | 3.7 | 19 |
| 35 | Integrated Chemometrics and Statistics to Drive Successful Proteomics Biomarker Discovery. <i>Proteomes</i> , 2018, 6, 20. | 3.5 | 19 |
| 36 | Towards a routine application of Top-Down approaches for label-free discovery workflows. <i>Journal of Proteomics</i> , 2018, 175, 12-26. | 2.4 | 17 |

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|----|--|------|-----------|
| 37 | Cerebrospinal fluid monocyte chemoattractant protein 1 correlates with progression of Parkinson's disease. <i>Npj Parkinson's Disease</i> , 2020, 6, 21. | 5.3 | 17 |
| 38 | Inflammatory cytokine oncostatin M induces endothelial activation in macro- and microvascular endothelial cells and in APOE*3Leiden.CETP mice. <i>PLoS ONE</i> , 2018, 13, e0204911. | 2.5 | 15 |
| 39 | Plasma C-Peptide and Risk of Developing Type 2 Diabetes in the General Population. <i>Journal of Clinical Medicine</i> , 2020, 9, 3001. | 2.4 | 14 |
| 40 | Affimers as an alternative to antibodies for protein biomarker enrichment. <i>Protein Expression and Purification</i> , 2020, 174, 105677. | 1.3 | 13 |
| 41 | Clonotypic Features of Rearranged Immunoglobulin Genes Yield Personalized Biomarkers for Minimal Residual Disease Monitoring in Multiple Myeloma. <i>Clinical Chemistry</i> , 2021, 67, 867-875. | 3.2 | 12 |
| 42 | Metabolomics-Based Screening of Inborn Errors of Metabolism: Enhancing Clinical Application with a Robust Computational Pipeline. <i>Metabolites</i> , 2021, 11, 568. | 2.9 | 11 |
| 43 | Understanding the increased risk of infections in diabetes: innate and adaptive immune responses in type 1 diabetes. <i>Metabolism: Clinical and Experimental</i> , 2021, 121, 154795. | 3.4 | 11 |
| 44 | Oncostatin M reduces atherosclerosis development in APOE*3Leiden.CETP mice and is associated with increased survival probability in humans. <i>PLoS ONE</i> , 2019, 14, e0221477. | 2.5 | 10 |
| 45 | The funhouse mirror: the I in personalised healthcare. <i>Life Sciences, Society and Policy</i> , 2021, 17, 1. | 3.2 | 10 |
| 46 | Site-Specific, Platform-Based Conjugation Strategy for the Synthesis of Dual-Labeled Immunoconjugates for Bimodal PET/NIRF Imaging of HER2-Positive Tumors. <i>Bioconjugate Chemistry</i> , 2022, 33, 530-540. | 3.6 | 10 |
| 47 | Quantitative multiplex profiling of the complement system to diagnose complement-mediated diseases. <i>Clinical and Translational Immunology</i> , 2020, 9, e1225. | 3.8 | 9 |
| 48 | Escherichia coli RuvBL268S: a mutant RuvB protein that exhibits wild-type activities in vitro but confers a UV-sensitive ruv phenotype in vivo. <i>Nucleic Acids Research</i> , 1999, 27, 1275-1282. | 14.5 | 7 |
| 49 | Functional interactions of Mycobacterium leprae RuvA with Escherichia coli RuvB and RuvC on holliday junctions 1 Edited by M. Yaniv. <i>Journal of Molecular Biology</i> , 2000, 301, 839-850. | 4.2 | 6 |
| 50 | The future of protein biomarker research in type 2 diabetes mellitus. <i>Expert Review of Proteomics</i> , 2019, 16, 105-115. | 3.0 | 6 |
| 51 | Evaluation of chitotriosidase as a biomarker for adipose tissue inflammation in overweight individuals and type 2 diabetic patients. <i>International Journal of Obesity</i> , 2019, 43, 1712-1723. | 3.4 | 6 |
| 52 | Network signatures link hepatic effects of anti-diabetic interventions with systemic disease parameters. <i>BMC Systems Biology</i> , 2014, 8, 108. | 3.0 | 5 |
| 53 | Alterations in the hepatic transcriptional landscape after RNAi mediated ApoB silencing in cynomolgus monkeys. <i>Atherosclerosis</i> , 2015, 242, 383-395. | 0.8 | 5 |
| 54 | Limited impact of impaired awareness of hypoglycaemia and severe hypoglycaemia on the inflammatory profile of people with type 1 diabetes. <i>Diabetes, Obesity and Metabolism</i> , 2020, 22, 2427-2436. | 4.4 | 5 |

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|----|---|-----|-----------|
| 55 | Semi-Quantitative Multiplex Profiling of the Complement System Identifies Associations of Complement Proteins with Genetic Variants and Metabolites in Age-Related Macular Degeneration. <i>Journal of Personalized Medicine</i> , 2021, 11, 1256. | 2.5 | 5 |
| 56 | Proteomic profiling of striatal tissue of a rat model of Parkinson's disease after implantation of collagen-encapsulated human umbilical cord mesenchymal stem cells. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2020, 14, 1077-1086. | 2.7 | 4 |
| 57 | Qualitative evaluation of coronary atherosclerosis in a large cohort of young and middle-aged Dutch tissue donors implies that coronary thrombo-embolic manifestations are stochastic. <i>PLoS ONE</i> , 2018, 13, e0207943. | 2.5 | 3 |
| 58 | Biomarker Research and Development for Coronavirus Disease 2019 (COVID-19): European Medical Research Infrastructures Call for Global Coordination. <i>Clinical Infectious Diseases</i> , 2021, 72, 1838-1842. | 5.8 | 3 |
| 59 | Common Variants Associated With OSMR Expression Contribute to Carotid Plaque Vulnerability, but Not to Cardiovascular Disease in Humans. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 658915. | 2.4 | 3 |
| 60 | Clinical biomarker innovation: when is it worthwhile?. <i>Clinical Chemistry and Laboratory Medicine</i> , 2019, 57, 1712-1720. | 2.3 | 2 |
| 61 | Biomarkers in the drug development process: Report from workshop discussions. <i>Regulatory Toxicology and Pharmacology</i> , 2008, 52, 75-76. | 2.7 | 1 |
| 62 | Sharing lessons learnt across European cardiovascular research consortia. <i>Drug Discovery Today</i> , 2020, 25, 787-792. | 6.4 | 1 |
| 63 | Fasting Proinsulin Independently Predicts Incident Type 2 Diabetes in the General Population. <i>Journal of Personalized Medicine</i> , 2022, 12, 1131. | 2.5 | 1 |