

Florent J L A Vanstapel

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47
papers

1,257
citations

17
h-index

35
g-index

49
ext. papers

1,359
ext. citations

5
avg. IF

3.37
L-index

#	Paper	IF	Citations
47	New Na(+)-H+ exchange inhibitor HOE 694 improves postischemic function and high-energy phosphate resynthesis and reduces Ca ²⁺ overload in isolated perfused rabbit heart. <i>Circulation</i> , 1994 , 89, 2787-98	16.7	166
46	Caffeine counteracts the ergogenic action of muscle creatine loading. <i>Journal of Applied Physiology</i> , 1996 , 80, 452-7	3.7	152
45	Identification, cloning, and heterologous expression of a mammalian fructosamine-3-kinase. <i>Diabetes</i> , 2000 , 49, 1627-34	0.9	117
44	Phosphocreatine resynthesis is not affected by creatine loading. <i>Medicine and Science in Sports and Exercise</i> , 1999 , 31, 236-42	1.2	73
43	Topology and regulation of bilirubin UDP-glucuronyltransferase in sealed native microsomes from rat liver. <i>Archives of Biochemistry and Biophysics</i> , 1988 , 263, 216-25	4.1	67
42	Glycogen-synthase phosphatase activity in rat liver. Two protein components and their requirement for the activation of different types of substrate. <i>FEBS Journal</i> , 1980 , 104, 137-46		66
41	No-flow ischemia inhibits insulin signaling in heart by decreasing intracellular pH. <i>Circulation Research</i> , 2001 , 88, 513-9	15.7	56
40	Demonstration of a glycogen/glucose 1-phosphate cycle in hepatocytes from fasted rats. Selective inactivation of phosphorylase by 2-deoxy-2-fluoro-alpha-D-glucopyranosyl fluoride. <i>Journal of Biological Chemistry</i> , 1995 , 270, 19351-6	5.4	52
39	Recommendation for the review of biological reference intervals in medical laboratories. <i>Clinical Chemistry and Laboratory Medicine</i> , 2016 , 54, 1893-1900	5.9	47
38	Current evidence and future perspectives on the effective practice of patient-centered laboratory medicine. <i>Clinical Chemistry</i> , 2015 , 61, 589-99	5.5	45
37	Molecular mode of inhibition of glycogenolysis in rat liver by the dihydropyridine derivative, BAY R3401: inhibition and inactivation of glycogen phosphorylase by an activated metabolite. <i>Diabetes</i> , 2000 , 49, 1419-26	0.9	45
36	Creatinine reference values in ELBW infants: impact of quantification by Jaffe or enzymatic method. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2012 , 25, 1678-81	2	33
35	Carrier-mediated translocation of uridine diphosphate glucose into the lumen of endoplasmic reticulum-derived vesicles from rat liver. <i>Journal of Clinical Investigation</i> , 1988 , 82, 1113-22	15.9	28
34	Assay of mannose-6-phosphatase in untreated and detergent-disrupted rat-liver microsomes for assessment of integrity of microsomal preparations. <i>FEBS Journal</i> , 1986 , 156, 73-7		26
33	Fructosamine 3-kinase-related protein and deglycation in human erythrocytes. <i>Biochemical Journal</i> , 2004 , 382, 137-43	3.8	25
32	Accreditation process in European countries - an EFLM survey. <i>Clinical Chemistry and Laboratory Medicine</i> , 2016 , 54, 545-51	5.9	20
31	¹³ C-NMR relaxation in glycogen. <i>Magnetic Resonance in Medicine</i> , 1996 , 36, 45-51	4.4	19

30	Phosphate metabolites in rat skin. <i>NMR in Biomedicine</i> , 1988 , 1, 50-5	4.4	16
29	Induction of hepatic glycogen synthesis by glucocorticoids is not mediated by insulin. <i>Molecular and Cellular Endocrinology</i> , 1982 , 27, 107-14	4.4	15
28	Flexible scope for ISO 15189 accreditation: a guidance prepared by the European Federation of Clinical Chemistry and Laboratory Medicine (EFLM) Working Group Accreditation and ISO/CEN standards (WG-A/ISO). <i>Clinical Chemistry and Laboratory Medicine</i> , 2015 , 53, 1173-80	5.9	14
27	Phosphonates as ³¹ P-NMR markers of extra- and intracellular space and pH in perfused rat liver. <i>NMR in Biomedicine</i> , 1997 , 10, 263-70	4.4	13
26	On the binding of bilirubin and its structural analogues to hepatic microsomal bilirubin UDPglucuronyltransferase. <i>Biochemistry</i> , 1987 , 26, 6074-82	3.2	13
25	Transient catabolic state with reduced IGF-I after antenatal glucocorticoids. <i>Pediatric Research</i> , 2007 , 62, 295-300	3.2	11
24	Evaluation of Signal Processing Methods for the Quantification of Strongly Overlapping Peaks in ³¹ P NMR Spectra. <i>Journal of Magnetic Resonance Series B</i> , 1994 , 105, 31-37		11
23	Conversion of a synthetic fructosamine into its 3-phospho derivative in human erythrocytes. <i>Biochemical Journal</i> , 2000 , 352, 835-839	3.8	11
22	A safety study on single intravenous dose of tetrachloro-diphenyl glycoluril [iodogen] dissolved in dimethyl sulphoxide (DMSO). <i>Xenobiotica</i> , 2013 , 43, 730-7	2	10
21	In situ ¹³ C NMR quantification of hepatic glycogen. <i>NMR in Biomedicine</i> , 1993 , 6, 371-6	4.4	10
20	Implementation of the new EU IVD regulation—urgent initiatives are needed to avert impending crisis. <i>Clinical Chemistry and Laboratory Medicine</i> , 2021 ,	5.9	9
19	Performance of strip-based glucose meters and cassette-based blood gas analyzer for monitoring glucose levels in a surgical intensive care setting. <i>Clinical Chemistry and Laboratory Medicine</i> , 2016 , 54, 169-80	5.9	8
18	Documenting metrological traceability as intended by ISO 15189:2012: A consensus statement about the practice of the implementation and auditing of this norm element. <i>Clinical Chemistry and Laboratory Medicine</i> , 2019 , 57, 459-464	5.9	8
17	On the inhibition of hepatic glycogenolysis by fructose. A ³¹ P-NMR study in perfused rat liver using the fructose analogue 2,5-anhydro-D-mannitol. <i>NMR in Biomedicine</i> , 1999 , 12, 145-56	4.4	7
16	Bile pigment metabolism. <i>Baillieres Clinical Gastroenterology</i> , 1989 , 3, 283-312		7
15	Practice-oriented quality specifications for therapeutic drug monitoring. <i>Clinical Chemistry</i> , 2014 , 60, 559-60	5.5	6
14	Performance of cassette-based blood gas analyzers to monitor blood glucose and lactate levels in a surgical intensive care setting. <i>Clinical Chemistry and Laboratory Medicine</i> , 2013 , 51, 1417-27	5.9	6
13	Conversion of a synthetic fructosamine into its 3-phospho derivative in human erythrocytes. <i>Biochemical Journal</i> , 2000 , 352, 835	3.8	6

12	Validation and verification of examination procedures in medical laboratories: opinion of the EFLM Working Group Accreditation and ISO/CEN standards (WG-A/ISO) on dealing with ISO 15189:2012 demands for method verification and validation. <i>Clinical Chemistry and Laboratory Medicine</i> , 2020 , 58, 361-367	5.9	6
11	An approach for determining allowable between reagent lot variation.. <i>Clinical Chemistry and Laboratory Medicine</i> , 2022 ,	5.9	6
10	¹ H NMR spectroscopy study of the dynamic properties of glycogen in solution by steady-state magnetisation measurement with off-resonance irradiation. <i>Carbohydrate Research</i> , 1998 , 306, 479-91	2.9	5
9	Quantification of the glycogen ¹³ C-1 NMR signal during glycogen synthesis in perfused rat liver. <i>NMR in Biomedicine</i> , 2003 , 16, 36-46	4.4	4
8	³¹ P-NMR study of cardiac preservation: St. ThomasSHospital cardioplegic solution versus UW preservation solution. <i>Transplant International</i> , 1991 , 4, 82-7	3	4
7	Ischaemic ATP degradation studied by HPLC and ³¹ P-NMR spectroscopy: do the two techniques observe the same ATP pools?. <i>Basic Research in Cardiology</i> , 1994 , 89, 50-60	11.8	3
6	Organisation and quality monitoring for point-of-care testing (POCT) in Belgium: proposal for an expansion of the legal framework for POCT into primary health care. <i>Acta Clinica Belgica</i> , 2021 , 1-8	1.8	3
5	Interference of ethylene glycol with lactate measurement: a comparison study on new generation cassette-based blood gas analyzers. <i>Clinica Chimica Acta</i> , 2012 , 414, 18-9	6.2	2
4	Improving the laboratory result release process in the light of ISO 15189:2012 standard. <i>Clinica Chimica Acta</i> , 2021 , 522, 167-173	6.2	2
3	Practical approach for medical validation of therapeutic drug monitoring results. <i>Clinical Chemistry and Laboratory Medicine</i> , 2016 , 54, e97-e100	5.9	1
2	Proton magnetization transfer effect in rat liver lactate. <i>Magnetic Resonance in Medicine</i> , 2002 , 47, 880-74.4	7.4	1
1	Further observations on the uptake and effects of phosphonates in perfused rat liver studied by (³¹ P)-NMR. <i>NMR in Biomedicine</i> , 1999 , 12, 275-85	4.4	1