

Damien Gruson

List of Publications by Year in descending order

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105
papers

2,493
citations

304743

22
h-index

214800

47
g-index

109
all docs

109
docs citations

109
times ranked

3973
citing authors

#	ARTICLE	IF	CITATIONS
1	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. Acta Clinica Belgica, 2022, 77, 329-336.	1.2	6
2	Performances of a novel chemiluminescence ABEI-based NT-proBNP immunoassay. Acta Cardiologica, 2022, 77, 176-179.	0.9	1
3	Interferences with cardiac biomarker assays: understanding the clinical impact. European Heart Journal, 2022, 43, 2286-2288.	2.2	12
4	Development of SARS-CoV2 humoral response including neutralizing antibodies is not sufficient to protect patients against fatal infection. Scientific Reports, 2022, 12, 2077.	3.3	8
5	Testing for anti-MÃ¼llerian hormone: analytical performances and usability of a point-of-care assay. Clinical Chemistry and Laboratory Medicine, 2022, .	2.3	0
6	Oxidative stress-induced endothelial dysfunction and decreased vascular nitric oxide in COVID-19 patients. EBioMedicine, 2022, 77, 103893.	6.1	48
7	Use of thyroid hormones in hypothyroid and euthyroid patients: a THESIS* survey of Belgian specialists *THESIS: treatment of hypothyroidism in Europe by specialists: an international survey. Thyroid Research, 2022, 15, 3.	1.5	12
8	Short-term biological variation study of plasma hemophilia and thrombophilia parameters in a population of apparently healthy Caucasian adults. Clinical Chemistry and Laboratory Medicine, 2022, 60, 1409-1415.	2.3	2
9	Artificial intelligence and thyroid disease management. Biochemia Medica, 2022, 32, 182-188.	2.7	3
10	PTH and cardiovascular risk. Annales D'Endocrinologie, 2021, 82, 149-150.	1.4	8
11	Clinical usefulness of fully automated chemiluminescent immunoassay for quantitative antibody measurements in COVID-19 patients. Journal of Medical Virology, 2021, 93, 1465-1477.	5.0	41
12	Biological variation and analytical goals of four thyroid function biomarkers in healthy European volunteers. Clinical Endocrinology, 2021, 94, 845-850.	2.4	5
13	Big Data, artificial intelligence and laboratory medicine: time for integration. Advances in Laboratory Medicine / Avances En Medicina De Laboratorio, 2021, 2, 1-3.	0.2	4
14	<i>Big Data</i>, inteligencia artificial y medicina de laboratorio: la hora de la integraciÃ³n. Advances in Laboratory Medicine / Avances En Medicina De Laboratorio, 2021, 2, 5-7.	0.2	0
15	Sustainability in Healthcare: Perspectives and Reflections Regarding Laboratory Medicine. Annals of Laboratory Medicine, 2021, 41, 139-144.	2.5	32
16	Digital Diagnostics and Mobile Health in Laboratory Medicine: An International Federation of Clinical Chemistry and Laboratory Medicineâ€™s Survey on Current Practice and Future Perspectives. journal of applied laboratory medicine, The, 2021, 6, 969-979.	1.3	4
17	False-positive pregnancy test: beware of familial hCG syndrome. Clinical Chemistry and Laboratory Medicine, 2021, 59, e424-e425.	2.3	2
18	How Well Do Laboratories Adhere to Recommended Guidelines for Cardiac Biomarkers Management in Europe? The CARdiac MARKer Guideline Uptake in Europe (CAMARGUE) Study of the European Federation of Laboratory Medicine Task Group on Cardiac Markers. Clinical Chemistry, 2021, 67, 1144-1152.	3.2	7

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19	Heart-type fatty acid binding protein is related to severity and established cardiac biomarkers of heart failure. <i>Advances in Laboratory Medicine / Avances En Medicina De Laboratorio</i> , 2021, .	0.2	0
20	Seroprevalence of SARS-CoV-2 infection in health care workers of a teaching hospital in Belgium: self-reported occupational and household risk factors for seropositivity. <i>Diagnostic Microbiology and Infectious Disease</i> , 2021, 100, 115414.	1.8	8
21	A colossal, enigmatic, and long-lasting high-sensitivity cardiac troponin T elevation. <i>Clinica Chimica Acta</i> , 2021, 520, 214-216.	1.1	1
22	Enhancing the value of the sFlt-1/PlGF ratio for the prediction of preeclampsia: Cost analysis from the Belgian healthcare payersâ€™ perspective. <i>Pregnancy Hypertension</i> , 2021, 26, 31-37.	1.4	5
23	Influence of secretory phenotype and preoperative preparation on surgical outcome in pheochromocytoma. <i>Endocrine Connections</i> , 2021, 10, 92-101.	1.9	5
24	The underestimated issue of non-reproducible cardiac troponin I and T results: case series and systematic review of the literature. <i>Clinical Chemistry and Laboratory Medicine</i> , 2021, 59, 1201-1211.	2.3	21
25	Treatment with sodium-glucose cotransporter-2 inhibitors in heart failure patients: the potential benefits of monitoring FGF-23 levels?. <i>Annales D'Endocrinologie</i> , 2021, 83, 78-78.	1.4	1
26	Usefulness of a Non-Streptavidin Bead Technology to Overcome Biotin Interference: Proof of Principle with 25-OH Vitamin D, TSH, and FT4. <i>Journal of Applied Laboratory Medicine</i> , The, 2021, 6, 1072-1077.	1.3	1
27	Controlling Reliability, Interoperability and Security of Mobile Health Solutions. <i>Electronic Journal of the International Federation of Clinical Chemistry and Laboratory Medicine</i> , 2021, 32, 118-123.	0.7	1
28	La proteÃ­na de uniÃ³n a los Ã¡cidos grasos cardÃ­aca (HFABP) estÃ¡ relacionada con la gravedad de la insuficiencia cardÃ­aca y sus biomarcadores cardÃ­acos conocidos. <i>Advances in Laboratory Medicine / Avances En Medicina De Laboratorio</i> , 2021, 2, 545-549.	0.2	0
29	Macro vitamin B12: an underestimated threat. <i>Clinical Chemistry and Laboratory Medicine</i> , 2020, 58, 408-415.	2.3	13
30	High clinical performance and quantitative assessment of antibody kinetics using a dual recognition assay for the detection of SARS-CoV-2 IgM and IgG antibodies. <i>Clinical Biochemistry</i> , 2020, 86, 23-27.	1.9	22
31	Marked Increased Production of Acute Phase Reactants by Skeletal Muscle during Cancer Cachexia. <i>Cancers</i> , 2020, 12, 3221.	3.7	7
32	Evaluation of two automated and three rapid lateral flow immunoassays for the detection of anti-SARS-CoV-2 antibodies. <i>Journal of Clinical Virology</i> , 2020, 128, 104413.	3.1	247
33	Fibroblast growth factor 23: a biomarker of fibrosis and prognosis in heart failure with preserved ejection fraction. <i>ESC Heart Failure</i> , 2020, 7, 2494-2507.	3.1	43
34	How well do laboratories adhere to recommended guidelines for dyslipidaemia management in Europe? The CARDiac MARKer Guideline Uptake in Europe (CAMARGUE) study. <i>Clinica Chimica Acta</i> , 2020, 508, 267-272.	1.1	13
35	Collaborative AI and Laboratory Medicine integration in precision cardiovascular medicine. <i>Clinica Chimica Acta</i> , 2020, 509, 67-71.	1.1	23
36	A Challenging Case of Falsely Elevated Free Thyroid Hormones. <i>Journal of Applied Laboratory Medicine</i> , The, 2020, 5, 406-411.	1.3	1

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37	Evaluation of Chilblains as a Manifestation of the COVID-19 Pandemic. <i>JAMA Dermatology</i> , 2020, 156, 998.	4.1	124
38	Neutralization of biotin interference: preliminary evaluation of the VeraTest Biotin [®] , VeraPrep Biotin [®] , and BioT-Filter [®] . <i>Clinical Chemistry and Laboratory Medicine</i> , 2020, 58, e130-e133.	2.3	9
39	Biotin interferences: Have we neglected the impact on serological markers?. <i>Clinica Chimica Acta</i> , 2020, 503, 107-112.	1.1	10
40	Soluble ST2: A complex and diverse role in several diseases. <i>Clinica Chimica Acta</i> , 2020, 507, 75-87.	1.1	83
41	Update on current practice in laboratory medicine in respect of natriuretic peptide testing for heart failure diagnosis and management in Europe. The CARdiac MARker guideline Uptake in Europe (CARMAGUE) study. <i>Clinica Chimica Acta</i> , 2020, 511, 59-66.	1.1	6
42	A rare case of tuberculosis-induced hypercalcemia. <i>Biochemia Medica</i> , 2020, 30, 471-474.	2.7	3
43	Biotin interference: evaluation of a new generation of electrochemiluminescent immunoassays for high-sensitive troponin T and thyroid-stimulating hormone testing. <i>Clinical Chemistry and Laboratory Medicine</i> , 2020, 58, 2037-2045.	2.3	18
44	A biological profile for diagnosis and outcome of COVID-19 patients. <i>Clinical Chemistry and Laboratory Medicine</i> , 2020, 58, 2141-2150.	2.3	20
45	COVID-19: Armageddon before Light?. <i>Electronic Journal of the International Federation of Clinical Chemistry and Laboratory Medicine</i> , 2020, 31, 103-105.	0.7	1
46	Comment on "High doses of biotin can interfere with immunoassays that use biotin-strept(avidin) technologies: Implications for individuals with biotin-responsive inherited metabolic disorders". <i>Molecular Genetics and Metabolism Reports</i> , 2019, 21, 100506.	1.1	3
47	Key questions about the future of laboratory medicine in the next decade of the 21st century: A report from the IFCC-Emerging Technologies Division. <i>Clinica Chimica Acta</i> , 2019, 495, 570-589.	1.1	56
48	Data science, artificial intelligence, and machine learning: Opportunities for laboratory medicine and the value of positive regulation. <i>Clinical Biochemistry</i> , 2019, 69, 1-7.	1.9	79
49	FGF23: Clinical usefulness and analytical evolution. <i>Clinical Biochemistry</i> , 2019, 66, 1-12.	1.9	23
50	Anti-streptavidin antibodies mimicking heterophilic antibodies in thyroid function tests. <i>Clinical Chemistry and Laboratory Medicine</i> , 2018, 56, e160-e163.	2.3	16
51	Assessment of in vitro stability: a call for harmonization across studies. <i>Clinical Chemistry and Laboratory Medicine</i> , 2018, 56, e121-e124.	2.3	7
52	SFE/SFEDP adrenal insufficiency French consensus: Introduction and handbook. <i>Annales D'Endocrinologie</i> , 2018, 79, 1-22.	1.4	38
53	Preanalytics of ammonia: stability, transport and temperature of centrifugation. <i>Clinical Chemistry and Laboratory Medicine</i> , 2018, 56, e65-e68.	2.3	6
54	Interferences With Thyroid Function Immunoassays: Clinical Implications and Detection Algorithm. <i>Endocrine Reviews</i> , 2018, 39, 830-850.	20.1	164

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55	Haploid Germ Cells Generated in Organotypic Culture of Testicular Tissue From Prepubertal Boys. <i>Frontiers in Physiology</i> , 2018, 9, 1413.	2.8	75
56	Oxytocin testing and reproductive health: Status and clinical applications. <i>Clinical Biochemistry</i> , 2018, 62, 55-61.	1.9	4
57	Biomarkers in reproductive health. <i>Clinical Biochemistry</i> , 2018, 62, 1.	1.9	0
58	Incremental value of intact fibroblast growth factor 23 to natriuretic peptides for long-term risk estimation of heart failure patients. <i>Clinical Biochemistry</i> , 2018, 61, 47-49.	1.9	5
59	Rationale and design of a multicentre, randomized, placebo-controlled trial of mirabegron, a Beta3-adrenergic receptor agonist on left ventricular mass and diastolic function in patients with structural heart disease Beta3-left ventricular hypertrophy (Beta3-LVH). <i>ESC Heart Failure</i> , 2018, 5, 830-841.	3.1	29
60	New Solutions for the Sample Transport and Results Delivery: A Digital Lab. <i>Electronic Journal of the International Federation of Clinical Chemistry and Laboratory Medicine</i> , 2018, 29, 210-214.	0.7	2
61	Systematic vitamin D supplementation and monitoring: improving outcomes in heart failure?. <i>European Journal of Heart Failure</i> , 2017, 19, 686-687.	7.1	5
62	Natriuretic peptides: degradation, circulating forms, dosages and new therapeutic approaches. <i>Annales De Biologie Clinique</i> , 2017, 75, 259-267.	0.1	3
63	First trimester isolated maternal hypothyroxinaemia: adverse maternal metabolic profile and impact on the obstetrical outcome. <i>Clinical Endocrinology</i> , 2017, 86, 576-583.	2.4	20
64	Circulating <scp>Activin A</scp> predicts survival in cancer patients. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2017, 8, 768-777.	7.3	61
65	Dosage du r�cepteur soluble sST2 : perspectives. <i>Revue Francophone Des Laboratoires</i> , 2017, 2017, 51-55.	0.0	0
66	Group 2: Adrenal insufficiency: screening methods and confirmation of diagnosis. <i>Annales D'Endocrinologie</i> , 2017, 78, 495-511.	1.4	20
67	Head to head comparison of intact and C-terminal fibroblast growth factor 23 in heart failure patients with reduced ejection fraction. <i>International Journal of Cardiology</i> , 2017, 248, 270-273.	1.7	5
68	Elevation of plasma oncostatin M in heart failure. <i>Future Cardiology</i> , 2017, 13, 219-227.	1.2	20
69	Tracking Macroprolactin: Use of an Optimized Polyethylene Glycol Precipitation Method More Compatible with the Requirements and Processes of Automated Core Laboratories. <i>journal of applied laboratory medicine, The</i> , 2017, 1, 661-667.	1.3	7
70	Pre-eclampsia: overview on the role of biomarkers in 2016. <i>Annales De Biologie Clinique</i> , 2017, 75, 245-258.	0.1	4
71	Laboratory medicine and mobile health technologies at crossroads: Perspectives for the management of chronic diseases. <i>Critical Reviews in Clinical Laboratory Sciences</i> , 2016, 53, 352-357.	6.1	2
72	Soluble ST2, the vitamin D/PTH axis and the heart: New interactions in the air?. <i>International Journal of Cardiology</i> , 2016, 212, 292-294.	1.7	7

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73	Sflt-1 in heart failure: relation with disease severity and biomarkers. <i>Scandinavian Journal of Clinical and Laboratory Investigation</i> , 2016, 76, 411-416.	1.2	16
74	Implementation of automated testing for 1,25-dihydroxyvitamin D: Return of experience from a core-laboratory. <i>Clinical Biochemistry</i> , 2016, 49, 298-301.	1.9	5
75	Chromogranin-A Levels Measured with Automated Immunoassay. <i>International Journal of Biological Markers</i> , 2015, 30, 132-135.	1.8	3
76	1,25-Dihydroxyvitamin D to PTH(1-84) Ratios Strongly Predict Cardiovascular Death in Heart Failure. <i>PLoS ONE</i> , 2015, 10, e0135427.	2.5	30
77	Measurement of anti-Müllerian hormone: Performances of a new ultrasensitive immunoassay. <i>Clinical Biochemistry</i> , 2015, 48, 453-455.	1.9	10
78	Multiple biomarker strategy based on parathyroid hormone and natriuretic peptides testing for improved prognosis of chronic heart failure. <i>Peptides</i> , 2015, 64, 24-28.	2.4	10
79	Comparison of fibroblast growth factor 23, soluble ST2 and Galectin-3 for prognostication of cardiovascular death in heart failure patients. <i>International Journal of Cardiology</i> , 2015, 189, 185-187.	1.7	16
80	Anti-Müllerian hormone testing: Evaluation of a novel method allowing more automation. <i>Scandinavian Journal of Clinical and Laboratory Investigation</i> , 2015, 75, 681-5.	1.2	3
81	Laboratory automation: how will you select the boarding assays?. <i>Clinical Chemistry and Laboratory Medicine</i> , 2014, 52, e167-9.	2.3	2
82	Increased soluble ST2 is a stronger predictor of long-term cardiovascular death than natriuretic peptides in heart failure patients with reduced ejection fraction. <i>International Journal of Cardiology</i> , 2014, 172, e250-e252.	1.7	46
83	Aldosterone testing: evaluation of a novel automated immunoassay. <i>Biomarkers</i> , 2014, 19, 86-91.	1.9	9
84	Football, concussions and biomarkers: Ready for more touchdowns?. <i>Clinical Biochemistry</i> , 2014, 47, 1345-1346.	1.9	2
85	Value of proBNP \geq 108 testing for the risk stratification of patients with systolic heart failure. <i>Peptides</i> , 2013, 50, 125-128.	2.4	3
86	Measurement of C-terminal cross-linking telopeptide of type I collagen: Evaluation of a new automated assay. <i>Clinical Biochemistry</i> , 2013, 46, 1778-1779.	1.9	6
87	First trimester placental growth factor and soluble fms-like tyrosine kinase 1 are significantly related to PAPP-A levels. <i>Clinical Chemistry and Laboratory Medicine</i> , 2013, 51, e49-51.	2.3	1
88	A position paper of the EFLM Committee on Education and Training and Working Group on Distance Education Programmes/E-Learning: developing an e-learning platform for the education of stakeholders in laboratory medicine. <i>Clinical Chemistry and Laboratory Medicine</i> , 2013, 51, 775-80.	2.3	4
89	Impact of growth hormone (GH) treatment on circulating Nt-proBNP concentrations and on cardiac function in adult GH-deficient patients. <i>Scandinavian Journal of Clinical and Laboratory Investigation</i> , 2012, 72, 387-394.	1.2	9
90	Continuous health monitoring: integrating biomarkers for the management of chronic diseases. <i>Biomarkers</i> , 2012, 17, 668-670.	1.9	1

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91	Head-to-head comparison of the prohormone proBNP1-108 with BNP and Nt-proBNP in patients admitted to emergency department. <i>Clinical Biochemistry</i> , 2012, 45, 249-252.	1.9	5
92	Galectins testing: New promises for the diagnosis and risk stratification of chronic diseases?. <i>Clinical Biochemistry</i> , 2012, 45, 719-726.	1.9	31
93	Urotensin II and urocortin trigger the expression of myostatin, a negative regulator of cardiac growth, in cardiomyocytes. <i>Peptides</i> , 2012, 33, 351-353.	2.4	16
94	C-terminal FGF23 is a strong predictor of survival in systolic heart failure. <i>Peptides</i> , 2012, 37, 258-262.	2.4	54
95	Urocortin-induced cardiomyocytes hypertrophy is associated with regulation of the GSK-3 β pathway. <i>Heart and Vessels</i> , 2012, 27, 202-207.	1.2	14
96	Diagnosing Destabilized Heart Failure in the Emergency Setting. <i>Molecular Diagnosis and Therapy</i> , 2011, 15, 327-340.	3.8	1
97	Is There a Place for Bone Turnover Markers in the Assessment of Osteoporosis and its Treatment?. <i>Rheumatic Disease Clinics of North America</i> , 2011, 37, 365-386.	1.9	20
98	Increased plasma myostatin in heart failure. <i>European Journal of Heart Failure</i> , 2011, 13, 734-736.	7.1	87
99	Cross-reactivity of insulin analogs with the Diasorin Liaison Insulin assay. <i>Clinical Chemistry and Laboratory Medicine</i> , 2011, 49, 1081-1082.	2.3	3
100	The IFCC Task Force for Young Scientists. <i>Clinical Chemistry and Laboratory Medicine</i> , 2011, 49, 753.	2.3	1
101	Biomarkers of inflammation and cardiac remodeling: the quest of relevant companions for the risk stratification of heart failure patients is still ongoing. <i>Biochemia Medica</i> , 2011, 21, 254-263.	2.7	22
102	Vitamin D and musculoskeletal health, cardiovascular disease, autoimmunity and cancer: Recommendations for clinical practice. <i>Autoimmunity Reviews</i> , 2010, 9, 709-715.	5.8	469
103	Raised Plasma Urotensin II in Type 2 Diabetes Patients Is Associated With the Metabolic Syndrome Phenotype. <i>Journal of Clinical Hypertension</i> , 2010, 12, 653-660.	2.0	24
104	Multimarker panel in patients admitted to emergency department: A comparison with reference methods. <i>Clinical Biochemistry</i> , 2009, 42, 185-188.	1.9	8
105	Accuracy of N-terminal proatrial natriuretic peptide in patients admitted to emergency department. <i>Scandinavian Journal of Clinical and Laboratory Investigation</i> , 2008, 68, 410-414.	1.2	10