FranÃ§ois Boemer

List of Publications by Year
in descending order

53	1,636	331259	301761
papers	citations	21 h-index	39 g-index

58	58	58	2066
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Clinical validation of cutoff target ranges in newborn screening of metabolic disorders by tandem mass spectrometry: A worldwide collaborative project. Genetics in Medicine, 2011, 13, 230-254.	1.1	308
2	Neonatal Screening in Europe Revisited: An ISNS Perspective on the Current State and Developments Since 2010. International Journal of Neonatal Screening, 2021, 7, 15.	1.2	118
3	Enhanced interpretation of newborn screening results without analyte cutoff values. Genetics in Medicine, 2012, 14, 648-655.	1.1	117
4	Newborn Screening for Sickle Cell Disease Using Tandem Mass Spectrometry. Clinical Chemistry, 2008, 54, 2036-2041.	1.5	70
5	Newborn screening for SMA in Southern Belgium. Neuromuscular Disorders, 2019, 29, 343-349.	0.3	65
6	Identification of methylenecyclopropyl acetic acid in serum of <scp>E</scp>uropean horses with atypical myopathy. Equine Veterinary Journal, 2014, 46, 146-149.	0.9	63
7	Hepatocyte Transplantation Using the Domino Concept in a Child with Tetrabiopterin Nonresponsive Phenylketonuria. Cell Transplantation, 2012, 21, 2765-2770.	1.2	59
8	Outcome of publicly funded nationwide first-tier noninvasive prenatal screening. Genetics in Medicine, 2021, 23, 1137-1142.	1.1	58
9	244th ENMC international workshop: Newborn screening in spinal muscular atrophy May 10â€“12, 2019, Hoofdorp, The Netherlands. Neuromuscular Disorders, 2020, 30, 93-103.	0.3	55
10	Folinic acid treatment for schizophrenia associated with folate receptor autoantibodies. Molecular Genetics and Metabolism, 2014, 113, 307-314.	0.5	47
11	Consensus guidelines for the diagnosis and management of pyridoxineâ€dependent epilepsy due to Î±â€aminoadipic semialdehyde dehydrogenase deficiency. Journal of Inherited Metabolic Disease, 2021, 44, 178-192.	1.7	47
12	Neonatal Thyroid-Stimulating Hormone Concentrations in Belgium: A Useful Indicator for Detecting Mild Iodine Deficiency?. PLoS ONE, 2012, 7, e47770.	1.1	44
13	Mutation of the ironâ€sulfur cluster assembly gene IBA57 causes fatal infantile leukodystrophy. Journal of Inherited Metabolic Disease, 2015, 38, 1147-1153.	1.7	43
14	Samaras and seedlings ofAcer pseudoplatanusare potential sources of hypoglycin A intoxication in atypical myopathy without necessarily inducing clinical signs. Equine Veterinary Journal, 2016, 48, 414-417.	0.9	35
15	A next-generation newborn screening pilot study: NGS on dried blood spots detects causal mutations in patients with inherited metabolic diseases. Scientific Reports, 2017, 7, 17641.	1.6	35
16	Three years pilot of spinal muscular atrophy newborn screening turned into official program in Southern Belgium. Scientific Reports, 2021, 11, 19922.	1.6	32
17	Tryptophan catabolism increases in breast cancer patients compared to healthy controls without affecting the cancer outcome or response to chemotherapy. Journal of Translational Medicine, 2019, 17, 239.	1.8	31
18	3-years experience review of neonatal screening for hemoglobin disorders using tandem mass spectrometry. Clinica Chimica Acta, 2011, 412, 1476-1479.	0.5	29

#	Article	IF	Citations
19	Diagnostic pitfall in antenatal manifestations of <scp>CPT II</scp> deficiency. Clinical Genetics, 2016, 89, 193-197.	1.0	29
20	Evaluation of Physiological Amino Acids Profiling by Tandem Mass Spectrometry. JIMD Reports, 2013, 13, 119-128.	0.7	26
21	Surprising causes of C5-carnitine false positive results in newborn screening. Molecular Genetics and Metabolism, 2014, 111, 52-54.	0.5	24
22	Neonatal screening for sickle cell disease in Central Africa: a study of 1825 newborns with a new enzyme-linked immunosorbent assay test. Journal of Medical Screening, 2007, 14, 113-116.	1.1	23
23	Acylcarnitines profile best predicts survival in horses with atypical myopathy. PLoS ONE, 2017, 12, e0182761.	1.1	22
24	Financial cost and quality of life of patients with spinal muscular atrophy identified by symptoms or newborn screening. Developmental Medicine and Child Neurology, 2023, 65, 67-77.	1.1	20
25	Quantification of hypoglycin A in serum using aTRAQÂ® assay. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2015, 997, 75-80.	1.2	19
26	Atypical myopathy in PÃ¨re Davidâ€™s deer (Elaphurus davidianus) associated with ingestion of hypoglycin A. Journal of Animal Science, 2018, 96, 3537-3547.	0.2	19
27	Innovative PCR without DNA extraction for African sickle cell disease diagnosis. Hematology, 2018, 23, 181-186.	0.7	17
28	Detection of hypoglycin A in the seeds of sycamore (Acer pseudoplatanus) and box elder (A.) Tj ETQq0 0 0 rgBT /Overlock 10 T Zealand Veterinary Journal, 2016, 64, 182-187.	0.4	16
29	Newborn screening of duchenne muscular dystrophy specifically targeting deletions amenable to exon-skipping therapy. Scientific Reports, 2021, 11, 3011.	1.6	14
30	Analytical validation based on total error measurement and cut-off interpretation of a neonatal screening TSH-immunoassay. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2009, 877, 2412-2417.	1.2	13
31	Mitochondrial function is altered in horse atypical myopathy. Mitochondrion, 2016, 30, 35-41.	1.6	13
32	Screening for sickle cell disease on dried blood: a new approach evaluated on 27,000 Belgian newborns. Journal of Medical Screening, 2006, 13, 132-136.	1.1	12
33	Mitochondrial encephalomyopathy with cytochrome c oxidase deficiency caused by a novel mutation in the MTCO1 gene. Mitochondrion, 2014, 17, 101-105.	1.6	10
34	Performance and Diagnostic Value of Genome-Wide Noninvasive Prenatal Testing in Multiple Gestations. Obstetrics and Gynecology, 2021, 137, 1102-1108.	1.2	10
35	Newborn screening of neuromuscular diseases. Neuromuscular Disorders, 2021, 31, 1070-1080.	0.3	9
36	Management of sickle cell disease: current practices and challenges in a northeastern region of the Democratic Republic of the Congo. Hematology, 2021, 26, 199-205.	0.7	8

#	Article	IF	Citations
37	Grazing Mares on Pasture with Sycamore Maples: A Potential Threat to Suckling Foals and Food Safety through Milk Contamination. Animals, 2021, 11, 87.	1.0	8
38	Reader response: Discrepancy in redetermination of SMN2 copy numbers in children with SMA. Neurology, 2020, 95, 144-145.	1.5	7
39	Novel Loss of Function Variant in BCKDK Causes a Treatable Developmental and Epileptic Encephalopathy. International Journal of Molecular Sciences, 2022, 23, 2253.	1.8	7
40	Neonatal Screening for Sickle Cell Disease in Belgium for More than 20 Years: An Experience for Comprehensive Care Improvement. International Journal of Neonatal Screening, 2018, 4, 37.	1.2	5
41	Raising Awareness of False Positive Newborn Screening Results Arising from Pivalate-Containing Creams and Antibiotics in Europe When Screening for Isovaleric Acidaemia. International Journal of Neonatal Screening, 2018, 4, 8.	1.2	4
42	Acylcarnitine profile in Alaskan sled dogs during submaximal multiday exercise points out metabolic flexibility and liver role in energy metabolism. PLoS ONE, 2021, 16, e0256009.	1.1	4
43	Systematic Screening of Neonatal Sickle Cell Disease with HemoTypeSC^{TM} Kit-Test: Case Study and Literature Review. Open Journal of Blood Diseases, 2020, 10, 12-21.	0.1	4
44	Altered Serum Acylcarnitines Profile after a Prolonged Stay in Intensive Care. Nutrients, 2022, 14, 1122.	1.7	4
45	Molecular Analysis in Two Siblings African Patients with Severe Form of Hunter Syndrome: Identification of a Novel (p.Y54X) Nonsense Mutation. Journal of Tropical Pediatrics, 2007, 53, 434-437.	0.7	3
46	Metabolomic Signatures Discriminate Horses with Clinical Signs of Atypical Myopathy from Healthy Co-grazing Horses. Journal of Proteome Research, 2021, 20, 4681-4692.	1.8	3
47	Overview of current progress and challenges in diagnosis, and management of pediatric sickle cell disease in Democratic Republic of the Congo. Hematology, 2022, 27, 132-140.	0.7	3
48	Atypical Myopathy in Denmark Confirmed With the aTRAQ Assay. Journal of Equine Veterinary Science, 2016, 47, 77-79.	0.4	2
49	Comorbidity of sickle cell trait and albinism: a cross-sectional survey in the Democratic Republic of the Congo. Pan African Medical Journal, 2020, 35, 127.	0.3	2
50	Correspondence on: â€œDiscrepancy in Spinal Muscular Atrophy Incidence findings in newborn screening programs: the influence of carrier screening?â€•by Kay et al. Genetics in Medicine, 2020, 22, 1913-1914.	1.1	2
51	Blood groups, hemoglobin phenotypes and clinical disorders of consanguineous Yansi population. World Journal of Hematology, 2013, 2, 109.	0.1	1
52	C5-carnitine false positive results in newborn screening: What is the cause?. Medicina ClÃnica (English) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.1	0
53	Belgian rare diseases plan in clinical pathology: identification of key biochemical diagnostic tests and establishment of reference laboratories and financing conditions. Orphanet Journal of Rare Diseases, 2021, 16, 89.	1.2	0