

Thomas LÃ¼cke

List of Publications by Year in descending order

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Version: 2024-02-01

107
papers

2,302
citations

186254

28
h-index

265191

42
g-index

118
all docs

118
docs citations

118
times ranked

3128
citing authors

#	ARTICLE	IF	CITATIONS
1	Use of guidelines improves the neurological outcome in glutaric aciduria type I. <i>Annals of Neurology</i> , 2010, 68, 743-752.	5.3	147
2	CLPB Mutations Cause 3-Methylglutaconic Aciduria, Progressive Brain Atrophy, Intellectual Disability, Congenital Neutropenia, Cataracts, Movement Disorder. <i>American Journal of Human Genetics</i> , 2015, 96, 245-257.	6.2	111
3	Decline of Acute Encephalopathic Crises in Children with Glutaryl-CoA Dehydrogenase Deficiency Identified by Newborn Screening in Germany. <i>Pediatric Research</i> , 2007, 62, 357-363.	2.3	102
4	Antibodies to MOG and AQP4 in children with neuromyelitis optica and limited forms of the disease. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2016, 87, 897-905.	1.9	98
5	Fabry disease: reduced activities of respiratory chain enzymes with decreased levels of energy-rich phosphates in fibroblasts. <i>Molecular Genetics and Metabolism</i> , 2004, 82, 93-97.	1.1	90
6	Oligoclonal bands predict multiple sclerosis in children with optic neuritis. <i>Annals of Neurology</i> , 2015, 77, 1076-1082.	5.3	61
7	<scp>AAC</scp> deficiency from infancy to adulthood: Symptoms and developmental outcome in an international cohort of 63 patients. <i>Journal of Inherited Metabolic Disease</i> , 2020, 43, 1121-1130.	3.6	59
8	Penetrance of biallelic SMARCAL1 mutations is associated with environmental and genetic disturbances of gene expression. <i>Human Molecular Genetics</i> , 2012, 21, 2572-2587.	2.9	57
9	Schimke immuno-osseous dysplasia: a clinicopathological correlation. <i>Journal of Medical Genetics</i> , 2006, 44, 122-130.	3.2	54
10	Developmental changes in the L-arginine/nitric oxide pathway from infancy to adulthood: plasma asymmetric dimethylarginine levels decrease with age. <i>Clinical Chemistry and Laboratory Medicine</i> , 2007, 45, 1525-30.	2.3	54
11	Schimke immunoosseous dysplasia: suggestions of genetic diversity. <i>Human Mutation</i> , 2007, 28, 273-283.	2.5	49
12	Biosynthesis of homoarginine (hArg) and asymmetric dimethylarginine (ADMA) from acutely and chronically administered free L-arginine in humans. <i>Amino Acids</i> , 2015, 47, 1893-1908.	2.7	41
13	Propionic acidemia: unusual course with late onset and fatal outcome. <i>Metabolism: Clinical and Experimental</i> , 2004, 53, 809-810.	3.4	40
14	Mitochondrial DNA Depletion and Respiratory Chain Activity in Primary Human Subcutaneous Adipocytes Treated with Nucleoside Analogue Reverse Transcriptase Inhibitors. <i>Antimicrobial Agents and Chemotherapy</i> , 2010, 54, 280-287.	3.2	38
15	Preeclampsia and HELLP Syndrome: Impaired Mitochondrial Function in Umbilical Endothelial Cells. <i>Reproductive Sciences</i> , 2010, 17, 219-226.	2.5	37
16	The L-arginine/NO pathway and homoarginine are altered in Duchenne muscular dystrophy and improved by glucocorticoids. <i>Amino Acids</i> , 2015, 47, 1853-1863.	2.7	35
17	Generalized atherosclerosis sparing the transplanted kidney in Schimke disease. <i>Pediatric Nephrology</i> , 2004, 19, 672-675.	1.7	34
18	Neurodevelopmental outcome and haematological course of a long-time survivor with homozygous alpha-thalassaemia: Case report and review of the literature. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2005, 94, 1330-1333.	1.5	34

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19	Simultaneous GC-ECNICAL-MS measurement of nitrite, nitrate and creatinine in human urine and plasma in clinical settings. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1047, 207-214.	2.3	34
20	Cannabinoids for Treatment of Dystonia in Huntington's Disease. <i>Journal of Huntington's Disease</i> , 2018, 7, 167-173.	1.9	33
21	Pulmonary Function and Long-Term Respiratory Symptoms in Children and Adolescents After COVID-19. <i>Frontiers in Pediatrics</i> , 2022, 10, 851008.	1.9	33
22	3-Hydroxy-3-methylglutaryl-coenzyme A lyase deficiency: Clinical presentation and outcome in a series of 37 patients. <i>Molecular Genetics and Metabolism</i> , 2017, 121, 206-215.	1.1	32
23	Social Cognition in Children Born Preterm: A Perspective on Future Research Directions. <i>Frontiers in Psychology</i> , 2017, 8, 455.	2.1	31
24	Impact of Hippotherapy on Gross Motor Function and Quality of Life in Children with Bilateral Cerebral Palsy: A Randomized Open-Label Crossover Study. <i>Neuropediatrics</i> , 2018, 49, 185-192.	0.6	31
25	Association of migraine-like headaches with Schimke immuno-osseous dysplasia. <i>American Journal of Medical Genetics, Part A</i> , 2005, 135A, 206-210.	1.2	29
26	Low lysine diet in glutaric aciduria type I - effect on anthropometric and biochemical follow-up parameters. <i>Journal of Inherited Metabolic Disease</i> , 2013, 36, 525-533.	3.6	29
27	Effects of chronic oral L-arginine administration on the L-arginine/NO pathway in patients with peripheral arterial occlusive disease or coronary artery disease: L-Arginine prevents renal loss of nitrite, the major NO reservoir. <i>Amino Acids</i> , 2015, 47, 1961-1974.	2.7	29
28	Schimke-immuno-osseous dysplasia: New mutation with weak genotype-phenotype correlation in siblings. <i>American Journal of Medical Genetics, Part A</i> , 2005, 135A, 202-205.	1.2	28
29	Schimke Versus Non-Schimke Chronic Kidney Disease: An Anthropometric Approach. <i>Pediatrics</i> , 2006, 118, e400-e407.	2.1	28
30	Relationship of Mitochondrial DNA Depletion and Respiratory Chain Activity in Preadipocytes treated with Nucleoside Reverse Transcriptase Inhibitors. <i>Antiviral Therapy</i> , 2007, 12, 205-216.	1.0	27
31	Neurologic Phenotype of Schimke Immuno-Osseous Dysplasia and Neurodevelopmental Expression of SMARCAL1. <i>Journal of Neuropathology and Experimental Neurology</i> , 2008, 67, 565-577.	1.7	26
32	Reduced elastogenesis: a clue to the arteriosclerosis and emphysematous changes in Schimke immuno-osseous dysplasia?. <i>Orphanet Journal of Rare Diseases</i> , 2012, 7, 70.	2.7	26
33	Developmental outcome in five children with Hurler syndrome after stem cell transplantation: a pilot study. <i>Developmental Medicine and Child Neurology</i> , 2007, 49, 693-696.	2.1	24
34	Elevated asymmetric dimethylarginine (ADMA) and inverse correlation between circulating ADMA and glomerular filtration rate in children with sporadic focal segmental glomerulosclerosis (FSGS). <i>Nephrology Dialysis Transplantation</i> , 2007, 23, 734-740.	0.7	23
35	SMARCAL1 Mutations: A Cause of Prepubertal Idiopathic Steroid-resistant Nephrotic Syndrome. <i>Pediatric Research</i> , 2009, 65, 564-568.	2.3	23
36	25-Hydroxyvitamin D concentrations are not lower in children with bronchial asthma, atopic dermatitis, obesity, or attention-deficient/hyperactivity disorder than in healthy children. <i>Nutrition Research</i> , 2018, 52, 39-47.	2.9	23

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37	Results, meta-analysis and a first evaluation of UNOxR, the urinary nitrate-to-nitrite molar ratio, as a measure of nitrite reabsorption in experimental and clinical settings. <i>Amino Acids</i> , 2018, 50, 799-821.	2.7	23
38	Schimke immunosseous dysplasia: defining skeletal features. <i>European Journal of Pediatrics</i> , 2010, 169, 801-811.	2.7	22
39	Lack of IL7R α expression in T cells is a hallmark of T-cell immunodeficiency in Schimke immuno-osseous dysplasia (SIOD). <i>Clinical Immunology</i> , 2015, 161, 355-365.	3.2	22
40	Variable disease progression after successful stem cell transplantation: Prospective follow-up investigations in eight patients with Hurler syndrome. <i>Pediatric Transplantation</i> , 2011, 15, 861-869.	1.0	21
41	Asymmetric dimethylarginine in children with homocystinuria or phenylketonuria. <i>Amino Acids</i> , 2012, 42, 1765-1772.	2.7	21
42	Insights into the expanding phenotypic spectrum of inherited disorders of biogenic amines. <i>Nature Communications</i> , 2021, 12, 5529.	12.8	21
43	Cyclosporine A: impact on mitochondrial function in endothelial cells. <i>Clinical Transplantation</i> , 2011, 25, 584-593.	1.6	20
44	Long Survival in Leigh Syndrome: New Cases and Review of Literature. <i>Neuropediatrics</i> , 2014, 45, 346-353.	0.6	20
45	The L-arginine/NO pathway, homoarginine, and nitrite-dependent renal carbonic anhydrase activity in young people with type 1 diabetes mellitus. <i>Amino Acids</i> , 2015, 47, 1865-1874.	2.7	20
46	Characterization of a universal screening approach for congenital CMV infection based on a highly-sensitive, quantitative, multiplex real-time PCR assay. <i>PLoS ONE</i> , 2020, 15, e0227143.	2.5	19
47	Clinical Manifestation of Juvenile and Pediatric HD Patients: A Retrospective Case Series. <i>Brain Sciences</i> , 2020, 10, 340.	2.3	19
48	Altered levels of high-energy phosphate compounds in fibroblasts from different forms of neuronal Paediatric Neurology, 2001, 5, 143-146.	1.6	17
49	Longitudinal Rise in Seroprevalence of SARS-CoV-2 Infections in Children in Western Germany – A Blind Spot in Epidemiology?. <i>Infectious Disease Reports</i> , 2021, 13, 957-964.	3.1	17
50	Elevated plasma concentrations of the endogenous nitric oxide synthase inhibitor asymmetric dimethylarginine in citrullinemia. <i>Metabolism: Clinical and Experimental</i> , 2006, 55, 1599-1603.	3.4	16
51	Cerebellar atrophy in Schimke-immunosseous dysplasia. <i>American Journal of Medical Genetics, Part A</i> , 2007, 143A, 2040-2045.	1.2	16
52	Congenital and Putatively Acquired Forms of Sucrase-isomaltase Deficiency in Infancy: Effects of Sacrosidase Therapy. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2009, 49, 485-487.	1.8	16
53	Novel Nonsense Mutation in <i>SLC39A13</i> Initially Presenting as Myopathy: Case Report and Review of the Literature. <i>Molecular Syndromology</i> , 2018, 9, 100-109.	0.8	16
54	Relationship of mitochondrial DNA depletion and respiratory chain activity in preadipocytes treated with nucleoside reverse transcriptase inhibitors. <i>Antiviral Therapy</i> , 2007, 12, 205-16.	1.0	16

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55	Homoarginine (hArg) and asymmetric dimethylarginine (ADMA) in short stature children without and with growth hormone deficiency: hArg and ADMA are involved differently in growth in the childhood. <i>Amino Acids</i> , 2015, 47, 1875-1883.	2.7	15
56	Early-onset leukoencephalopathy due to a homozygous missense mutation in the DARS2 gene. <i>Molecular and Cellular Probes</i> , 2015, 29, 319-322.	2.1	14
57	Improved outcome with immunosuppressive monotherapy after renal transplantation in Schimke-immuno-össeous dysplasia. <i>Pediatric Transplantation</i> , 2009, 13, 482-489.	1.0	13
58	Comprehensive analysis of the L-arginine/L-homoarginine/nitric oxide pathway in preterm neonates: potential roles for homoarginine and asymmetric dimethylarginine in foetal growth. <i>Amino Acids</i> , 2017, 49, 783-794.	2.7	13
59	Increased asymmetric dimethylarginine (ADMA) dimethylaminohydrolase (DDAH) activity in childhood hypercholesterolemia type II. <i>Amino Acids</i> , 2012, 43, 805-811.	2.7	11
60	Novel homozygous missense mutation in ALDH7A1 causes neonatal pyridoxine dependent epilepsy. <i>Molecular and Cellular Probes</i> , 2017, 32, 18-23.	2.1	11
61	Short-term effects of carbohydrates differing in glycemic index (GI) consumed at lunch on children's cognitive function in a randomized crossover study. <i>European Journal of Clinical Nutrition</i> , 2020, 74, 757-764.	2.9	11
62	Characterization of the L-Arginine/Nitric Oxide Pathway and Oxidative Stress in Pediatric Patients with Atopic Diseases. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2136.	4.1	10
63	L-Arginine/NO Pathway Is Altered in Children with Haemolytic-Uraemic Syndrome (HUS). <i>Oxidative Medicine and Cellular Longevity</i> , 2014, 2014, 1-9.	4.0	9
64	Transcriptional and posttranscriptional mechanisms contribute to the dysregulation of elastogenesis in Schimke immuno-össeous dysplasia. <i>Pediatric Research</i> , 2015, 78, 609-617.	2.3	9
65	Interrelations of Physical Fitness and Cognitive Functions in German Schoolchildren. <i>Children</i> , 2021, 8, 669.	1.5	9
66	BH4-sensitive hyperphenylalaninemia. <i>Pediatric Neurology</i> , 2003, 28, 228-230.	2.1	8
67	Atypical Clinical Presentations of TAZ Mutations: An Underdiagnosed Cause of Growth Retardation?. <i>JIMD Reports</i> , 2015, 29, 89-93.	1.5	8
68	Delayed theory of mind development in children born preterm: A longitudinal study. <i>Early Human Development</i> , 2018, 127, 85-89.	1.8	8
69	Systematic review of oral and craniofacial findings in patients with Fabry disease or Pompe disease. <i>British Journal of Oral and Maxillofacial Surgery</i> , 2019, 57, 831-838.	0.8	8
70	Haematological characteristics and spontaneous haematological recovery in Pearson syndrome. <i>British Journal of Haematology</i> , 2021, 193, 1283-1287.	2.5	8
71	Echogenicity of basal ganglia structures in different Huntington's disease phenotypes. <i>Journal of Neural Transmission</i> , 2015, 122, 825-833.	2.8	7
72	Activated L-Arginine/Nitric Oxide Pathway in Pediatric Cystic Fibrosis and Its Association with Pancreatic Insufficiency, Liver Involvement and Nourishment: An Overview and New Results. <i>Journal of Clinical Medicine</i> , 2020, 9, 2012.	2.4	7

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73	Translation of EU Food Law and Nutrient Reference Values Into Practice. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2020, 71, 550-556.	1.8	7
74	Local and Systemic Alterations of the L-Arginine/Nitric Oxide Pathway in Sputum, Blood, and Urine of Pediatric Cystic Fibrosis Patients and Effects of Antibiotic Treatment. <i>Journal of Clinical Medicine</i> , 2020, 9, 3802.	2.4	7
75	Enhanced Nitric Oxide (NO) and Decreased ADMA Synthesis in Pediatric ADHD and Selective Potentiation of NO Synthesis by Methylphenidate. <i>Journal of Clinical Medicine</i> , 2020, 9, 175.	2.4	7
76	Assessment of intellectual impairment, health-related quality of life, and behavioral phenotype in patients with neurotransmitter related disorders: Data from the <scp>iNTD</scp> registry. <i>Journal of Inherited Metabolic Disease</i> , 2021, 44, 1489-1502.	3.6	7
77	To Mask or Not to Maskâ€”Evaluation of Cognitive Performance in Children Wearing Face Masks during School Lessons (MasKids). <i>Children</i> , 2022, 9, 95.	1.5	7
78	Mitochondrial Function in Schimke-Immunoosseous Dysplasia. <i>Metabolic Brain Disease</i> , 2005, 20, 237-242.	2.9	6
79	Novel variants in a patient with late-onset hyperprolinemia type II: diagnostic key for status epilepticus and lactic acidosis. <i>BMC Neurology</i> , 2019, 19, 345.	1.8	6
80	Pitfalls in paediatric gait disturbances. <i>European Journal of Pediatrics</i> , 2006, 165, 909-912.	2.7	5
81	Thyroid Hormone Status in Overweight Children with Attention Deficit/Hyperactivity Disorder. <i>Hormone Research in Paediatrics</i> , 2018, 89, 150-156.	1.8	5
82	Intact tactile anisotropy despite altered hand perception in complex regional pain syndrome: rethinking the role of the primary sensory cortex in tactile and perceptual dysfunction. <i>PeerJ</i> , 2021, 9, e11156.	2.0	4
83	Energy metabolism in umbilical endothelial cells from preterm and term neonates. <i>Journal of Perinatal Medicine</i> , 2011, 39, 587-93.	1.4	3
84	Breast-feeding promotion in hospitals and prospective breast-feeding rates during the first year of life in two national surveys 1997â€“1998 and 2017â€“2019 in Germany. <i>Public Health Nutrition</i> , 2021, 24, 2411-2423.	2.2	3
85	Cardiac parasympathetic activity in female patients with borderline personality disorder predicts approach/avoidance behavior towards angry faces. <i>Biological Psychology</i> , 2021, 163, 108146.	2.2	3
86	The role of breastfeeding promotion in German hospitals for exclusive breastfeeding duration. <i>Maternal and Child Nutrition</i> , 2022, , e13326.	3.0	3
87	Canavanâ€™s spongiform leukodystrophy (Aspartoacylase deficiency) with emphasis on sonographic features in infancy: description of a case report and review of the literature. <i>Journal of Ultrasound</i> , 2023, 26, 757-764.	1.3	3
88	Clinical course in two children with Juvenile Paget's disease during long-term treatment with intravenous bisphosphonates. <i>Bone Reports</i> , 2021, 14, 100762.	0.4	2
89	Phoenix from the ashes: dramatic improvement in severe late-onset methylenetetrahydrofolate reductase (MTHFR) deficiency with a complete loss of vision. <i>Journal of Neurology</i> , 2021, , 1.	3.6	2
90	Impact of lunch with carbohydrates differing in glycemic index on children's cognitive functioning in the late postprandial phase: a randomized crossover study. <i>European Journal of Nutrition</i> , 2021, 61, 1637.	3.9	2

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91	Homocysteine as a potential indicator of endothelial dysfunction and cardiovascular risk in female patients with borderline personality disorder. <i>Borderline Personality Disorder and Emotion Dysregulation</i> , 2022, 9, 11.	2.6	2
92	Dual guidance structure for evaluation of patients with unclear diagnosis in centers for rare diseases (ZSE-DUO): study protocol for a controlled multi-center cohort study. <i>Orphanet Journal of Rare Diseases</i> , 2022, 17, 47.	2.7	2
93	Cross-sectional Association Between Level of School Sports and Different Cognitive Parameters in Schoolchildren, Considering Multiple Covariates. <i>Mind, Brain, and Education</i> , 0, , .	1.9	2
94	Fate of a food nudging intervention during the Corona-pandemic: unexpected shopping ban on a small clinic bistro. <i>European Journal of Clinical Nutrition</i> , 2021, 75, 209-211.	2.9	1
95	Applicability of the German Food Based Dietary Guidelines for Infancy to Estimate Exposure to Substances in Food – The Example of Erucic Acid. <i>Current Developments in Nutrition</i> , 2021, 5, 764.	0.3	1
96	Erucic acid exposure during the first year of life – Scenarios with precise food-based dietary guidelines. <i>Food Science and Nutrition</i> , 2022, 10, 115-121.	3.4	1
97	Altered left ventricular myocardial deformation in young females with Borderline Personality Disorder: an echocardiographic study. <i>Psychosomatic Medicine</i> , 2022, Publish Ahead of Print, .	2.0	1
98	CNS findings in congenital muscular dystrophy 1A (with laminin alpha-2-deficiency). <i>Translational Neuroscience</i> , 2011, 2, .	1.4	0
99	Invitation and a Warm Welcome to the 42nd Annual Meeting of the Society for Neuropediatrics. <i>Neuropediatrics</i> , 2016, 47, 069-069.	0.6	0
100	Vegetarian Diets in Children – Some Thoughts on Restricted Diets and Allergy. <i>International Journal of Clinical Medicine</i> , 2021, 12, 43-60.	0.2	0
101	P 329. Patients with Juvenile Huntington’s Disease Benefit from Early Diagnosis. <i>Neuropediatrics</i> , 2018, 49, .	0.6	0
102	P 235. Short-Term Effects of Lunch with Varying Glycemic Index on Children’s Cognitive Function – CogniDo GI-II. , 2018, 49, .		0
103	FV 969. Transplantation Surgery Used Autologous Transgenic Keratinocyte Cultures Which Regenerated an Entire, Fully Functional Epidermis. <i>Neuropediatrics</i> , 2018, 49, .	0.6	0
104	Undercarboxylated Osteocalcin Increases the Dopaminergic Activity of Neuronal Differentiated PC12 Cells In Vitro. <i>Neuropediatrics</i> , 2021, 52, .	0.6	0
105	Long-Term Effects of Drinking Water and Sweetened Beverages on Cognition of Schoolchildren – CogniDROP-II Study. <i>Current Developments in Nutrition</i> , 2022, 6, 811.	0.3	0
106	Relationship of Sleep Duration, Concentration, BMI and Dietary Behavior of European Adolescents – Results From the HELENA-Study. <i>Current Developments in Nutrition</i> , 2022, 6, 792.	0.3	0
107	Diverse Meals As Basis of a Healthy Total Diet for Children in Germany. <i>Current Developments in Nutrition</i> , 2022, 6, 668.	0.3	0