Troy C Lund

List of Publications by Year
in descending order

112 papers	3,427 citations	159585 30 h-index	168389 53 g-index
114 all docs	114 docs citations	114 times ranked	5086 citing authors

#	Article	IF	Citations
1	Hematopoietic cell transplantation for sialidosis type I. Molecular Genetics and Metabolism Reports, 2022, 30, 100832.	1.1	2
2	Association Between the Magnitude of Intravenous Busulfan Exposure and Development of Hepatic Veno-Occlusive Disease in Children and Young Adults Undergoing Myeloablative Allogeneic Hematopoietic Cell Transplantation. Transplantation and Cellular Therapy, 2022, 28, 196-202.	1.2	12
3	Isoprostanoid Plasma Levels Are Relevant to Cerebral Adrenoleukodystrophy Disease. Life, 2022, 12, 146.	2.4	2
4	Burden of Morbidity after Allogeneic Blood or Marrow Transplantation for Inborn Errors of Metabolism: A BMT Survivor Study Report. Transplantation and Cellular Therapy, 2022, 28, 157.e1-157.e9.	1.2	0
5	Evaluation of Neurofilament Light Chain as a Biomarker of Neurodegeneration in X-Linked Childhood Cerebral Adrenoleukodystrophy. Cells, 2022, 11, 913.	4.1	7
6	Primary Adrenal Insufficiency in a Boy with Type I Diabetes: The Importance of Considering X-linked Adrenoleukodystrophy. Journal of the Endocrine Society, 2022, 6, bvac039.	0.2	3
7	Hematopoietic stem cell transplant for Hurler syndrome: does using bone marrow or umbilical cord blood make a difference?. Blood Advances, 2022, 6, 6023-6027.	5.2	4
8	Glycoprotein nonmetastatic melanoma protein B (GNMPB) as a novel biomarker for cerebral adrenoleukodystrophy. Scientific Reports, 2022, 12, 7985.	3.3	1
9	Reply to â€œProphylactic Allogeneic Hematopoietic Stem Cell Therapy for <scp>CSF1R</scp>â€Related Leukoencephalopathyâ€. Movement Disorders, 2022, 37, 1109-1110.	3.9	1
10	Neonatal Jaundice: Knowledge and Practices of Healthcare Providers and Trainees in Southwest Nigeria. American Journal of Tropical Medicine and Hygiene, 2022, 107, 328-335.	1.4	3
11	Outcome After Cord Blood Transplantation Using Busulfan Pharmacokinetics-Targeted Myeloablative Conditioning for Hurler Syndrome. Transplantation and Cellular Therapy, 2021, 27, 91.e1-91.e4.	1.2	6
12	Mucopolysaccharidosis Type I: Current Treatments, Limitations, and Prospects for Improvement. Biomolecules, 2021, 11, 189.	4.0	36
13	Consensus opinion on immune-mediated cytopenias after hematopoietic cell transplant for inherited metabolic disorders. Bone Marrow Transplantation, 2021, 56, 1238-1247.	2.4	9
14	<scp>MRI</scp> surveillance of boys with Xâ€linked adrenoleukodystrophy identified by newborn screening: Metaâ€analysis and consensus guidelines. Journal of Inherited Metabolic Disease, 2021, 44, 728-739.	3.6	39
15	White matter alteration and cerebellar atrophy are hallmarks of brain MRI in alpha-mannosidosis. Molecular Genetics and Metabolism, 2021, 132, 189-197.	1.1	8
16	Adrenal Insufficiency in an Adolescent Boy With Type 1 Diabetes Mellitus - the Importance of Considering X-Linked Adrenoleukodystrophy. Journal of the Endocrine Society, 2021, 5, A110-A110.	0.2	0
17	Differences in MPS I and MPS II Disease Manifestations. International Journal of Molecular Sciences, 2021, 22, 7888.	4.1	18
18	Treatment of <scp>CSF1R</scp>â€Related Leukoencephalopathy: Breaking New Ground. Movement Disorders, 2021, 36, 2901-2909.	3.9	25

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19	An irradiated marrow niche reveals a small non-collagenous protein mediator of homing, dermatopontin. Blood Advances, 2021, 5, 3609-3622.	5.2	2
20	Differential outcomes for frontal versus posterior demyelination in childhood cerebral adrenoleukodystrophy. Journal of Inherited Metabolic Disease, 2021, 44, 1434-1440.	3.6	3
21	Low Incidence of Chronic Graft-Versus-Host Disease in Myeloablative Allogeneic Hematopoietic Cell Transplantation with Post-Transplant Cyclophosphamide Using Matched Related or Unrelated Donors: Phase II Study Interim Analysis. Blood, 2021, 138, 1811-1811.	1.4	0
22	Adult-Onset Leukoencephalopathy With Axonal Spheroids and Pigmented Glia: Review of Clinical Manifestations as Foundations for Therapeutic Development. Frontiers in Neurology, 2021, 12, 788168.	2.4	24
23	Clinical trial of laronidase in Hurler syndrome after hematopoietic cell transplantation. Pediatric Research, 2020, 87, 104-111.	2.3	11
24	Reduced-Toxicity (BuFlu) Conditioning Is Better Tolerated but Has a Higher Second Transplantation Rate Compared to Myeloablative Conditioning (BuCy) in Children with Inherited Metabolic Disorders. Biology of Blood and Marrow Transplantation, 2020, 26, 486-492.	2.0	11
25	Humanized zebrafish enhance human hematopoietic stem cell survival and promote acute myeloid leukemia clonal diversity. Haematologica, 2020, 105, 2391-2399.	3.5	33
26	Mucopolysaccharidosis Type I: A Review of the Natural History and Molecular Pathology. Cells, 2020, 9, 1838.	4.1	48
27	Traditional African remedies induce hemolysis in a glucose-6-phopshate dehydrogenase deficient zebrafish model. Scientific Reports, 2020, 10, 19172.	3.3	3
28	Maternal Instruction About Jaundice and the Incidence of Acute Bilirubin Encephalopathy in Nigeria. Journal of Pediatrics, 2020, 221, 47-54.e4.	1.8	13
29	Volume of Gadolinium Enhancement and Successful Repair of the Blood-Brain Barrier in Cerebral Adrenoleukodystrophy. Biology of Blood and Marrow Transplantation, 2020, 26, 1894-1899.	2.0	7
30	The Role of Hematopoietic Cell Transplant in the Glycoprotein Diseases. Cells, 2020, 9, 1411.	4.1	14
31	Neurocognitive benchmarks following transplant for emerging cerebral adrenoleukodystrophy. Neurology, 2020, 95, e591-e600.	1.1	11
32	Failure of intrathecal allogeneic mesenchymal stem cells to halt progressive demyelination in two boys with cerebral adrenoleukodystrophy. Stem Cells Translational Medicine, 2020, 9, 554-558.	3.3	6
33	Dysostosis Multiplex in Human Mucopolysaccharidosis Type 1 H and in Animal Models of the Disease. Pediatric Endocrinology Reviews, 2020, 17, 317-326.	1.2	1
34	Inappropriate cathepsin K secretion promotes its enzymatic activation driving heart and valve malformation. JCI Insight, 2020, 5, .	5.0	5
35	Hematopoietic Cell Transplantâ€“Related Toxicities and Mortality in Frail Recipients. Biology of Blood and Marrow Transplantation, 2019, 25, 2454-2460.	2.0	27
36	Post-transplant laronidase augmentation for children with Hurler syndrome: biochemical outcomes. Scientific Reports, 2019, 9, 14105.	3.3	7

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37	Biochemical and clinical response after umbilical cord blood transplant in a boy with early childhoodâ€onset betaâ€mannosidosis. Molecular Genetics & Genomic Medicine, 2019, 7, e00712.	1.2	10
38	Association between APOE4 and biomarkers in cerebral adrenoleukodystrophy. Scientific Reports, 2019, 9, 7858.	3.3	10
39	A report on stateâ€wide implementation of newborn screening for Xâ€linked Adrenoleukodystrophy. American Journal of Medical Genetics, Part A, 2019, 179, 1205-1213.	1.2	56
40	Prevalence of glucose-6-phosphate dehydrogenase deficiency in Cameroonian blood donors. BMC Research Notes, 2019, 12, 195.	1.4	11
41	Intrathecal enzyme replacement for Hurler syndrome: biomarker association with neurocognitive outcomes. Genetics in Medicine, 2019, 21, 2552-2560.	2.4	25
42	Cerebral adrenoleukodystrophy is associated with loss of tolerance to profilin. European Journal of Immunology, 2019, 49, 947-953.	2.9	11
43	Hematopoietic cell transplantation for severe MPS I in the first six months of life: The heart of the matter. Molecular Genetics and Metabolism, 2019, 126, 117-120.	1.1	6
44	Successful donor engraftment and repair of the blood-brain barrier in cerebral adrenoleukodystrophy. Blood, 2019, 133, 1378-1381.	1.4	20
45	Late Mortality after Allogeneic Blood or Marrow Transplantation for Inborn Errors of Metabolism: A Report from the Blood or Marrow Transplant Survivor Study-2 (BMTSS-2). Biology of Blood and Marrow Transplantation, 2019, 25, 328-334.	2.0	9
46	Survival and Functional Outcomes in Boys with Cerebral Adrenoleukodystrophy with and without Hematopoietic Stem Cell Transplantation. Biology of Blood and Marrow Transplantation, 2019, 25, 538-548.	2.0	81
47	Long-term outcomes of systemic therapies for Hurler syndrome: an international multicenter comparison. Genetics in Medicine, 2018, 20, 1423-1429.	2.4	54
48	Fast, sensitive method for trisaccharide biomarker detection in mucopolysaccharidosis type 1. Scientific Reports, 2018, 8, 3681.	3.3	1
49	Postâ€transplant adaptive function in childhood cerebral adrenoleukodystrophy. Annals of Clinical and Translational Neurology, 2018, 5, 252-261.	3.7	7
50	Filtered sunlight versus intensive electric powered phototherapy in moderate-to-severe neonatal hyperbilirubinaemia: a randomised controlled non-inferiority trial. The Lancet Global Health, 2018, 6, e1122-e1131.	6.3	15
51	Umbilical Cord Blood Expansion: Are We There Yet?. Biology of Blood and Marrow Transplantation, 2018, 24, 1311-1312.	2.0	4
52	Assessment of blood levels of heavy metals including lead and manganese in healthy children living in the Katanga settlement of Kampala, Uganda. BMC Public Health, 2018, 18, 717.	2.9	30
53	A Functional Bioluminescent Zebrafish Screen for Enhancing Hematopoietic Cell Homing. Stem Cell Reports, 2017, 8, 177-190.	4.8	14
54	TP53 Modulates Oxidative Stress in Gata1 + Erythroid Cells. Stem Cell Reports, 2017, 8, 360-372.	4.8	8

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55	Pediatric multiple myeloma. Blood, 2017, 129, 395-395.	1.4	5
56	Allele-Level HLA Matching Impacts Key Outcomes Following Umbilical Cord Blood Transplantation for Inherited Metabolic Disorders. Biology of Blood and Marrow Transplantation, 2017, 23, 119-125.	2.0	31
57	Hematopoietic Stem-Cell Gene Therapy for Cerebral Adrenoleukodystrophy. New England Journal of Medicine, 2017, 377, 1630-1638.	27.0	412
58	Abnormal polyamine metabolism is unique to the neuropathic forms of MPS: potential for biomarker development and insight into pathogenesis. Human Molecular Genetics, 2017, 26, 3837-3849.	2.9	5
59	Dermatopontin in Bone Marrow Extracellular Matrix Regulates Adherence but Is Dispensable for Murine Hematopoietic Cell Maintenance. Stem Cell Reports, 2017, 9, 770-778.	4.8	7
60	Cadherin 17 mutation associated with leaky severe combined immune deficiency is corrected by HSCT. Blood Advances, 2017, 1, 2083-2087.	5.2	3
61	Markers of oxidative stress in umbilical cord blood from G6PD deficient African newborns. PLoS ONE, 2017, 12, e0172980.	2.5	6
62	Cerebral Spinal Fluid levels of Cytokines are elevated in Patients with Metachromatic Leukodystrophy. Scientific Reports, 2016, 6, 24579.	3.3	31
63	Elevated cerebral spinal fluid biomarkers in children with mucopolysaccharidosis I-H. Scientific Reports, 2016, 6, 38305.	3.3	25
64	Progression of Hip Dysplasia in Mucopolysaccharidosis Type I Hurler After Successful Hematopoietic Stem Cell Transplantation. Journal of Bone and Joint Surgery - Series A, 2016, 98, 386-395.	3.0	25
65	Quantitative Proteomics of Vestibular Schwannoma Cerebrospinal Fluid. Otolaryngology - Head and Neck Surgery, 2016, 154, 902-906.	1.9	7
66	Enzyme replacement therapy prior to haematopoietic stem cell transplantation in Mucopolysaccharidosis Type I: 10year combined experience of 2 centres. Molecular Genetics and Metabolism, 2016, 117, 373-377.	1.1	51
67	Fatal Myocarditis Associated With HHV-6 Following Immunosuppression in Two Children. Pediatrics, 2016, 137, .	2.1	10
68	Evaluation of TCR Gene Editing Achieved by TALENs, CRISPR/Cas9, and megaTAL Nucleases. Molecular Therapy, 2016, 24, 570-581.	8.2	168
69	Intensity of MRI Gadolinium Enhancement in Cerebral Adrenoleukodystrophy: A Biomarker for Inflammation and Predictor of Outcome following Transplantation in Higher Risk Patients. American Journal of Neuroradiology, 2016, 37, 367-372.	2.4	33
70	The Changing Patterns of Graft Failure in MPS1H, Hurler Syndrome: A Review of 30-Years Experience. Blood, 2016, 128, 4700-4700.	1.4	3
71	High-Exposure, Targeted Daily Busulfan and Fludarabine-Based Conditioning for Children Undergoing Hematopoietic Stem Cell Transplantation for Inherited Metabolic Disorders: Outcomes at a Single Center. Blood, 2016, 128, 2191-2191.	1.4	1
72	Neurocognitive Trajectory of Patients with Childhood Cerebral Adrenoleukodystrophy Who Received Allogeneic Hematopoietic Cell Transplantation at an Early Stage of Cerebral Disease. Blood, 2016, 128, 4682-4682.	1.4	0

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73	Intravenous Administration of Stable-Labeled N-Acetylcysteine Demonstrates an Indirect Mechanism for Boosting Glutathione and Improving Redox Status. Journal of Pharmaceutical Sciences, 2015, 104, 2619-2626.	3.3	34
74	Long-term outcomes after allogeneic hematopoietic stem cell transplantation for metachromatic leukodystrophy: the largest single-institution cohort report. Orphanet Journal of Rare Diseases, 2015, 10, 94.	2.7	128
75	Second allogeneic hematopoietic cell transplantation for graft failure: Poor outcomes for neutropenic graft failure. American Journal of Hematology, 2015, 90, 892-896.	4.1	27
76	Hypogammaglobulinemia in sub-Saharan Africa: a case report and review of the literature. African Health Sciences, 2015, 15, 299.	0.7	1
77	Genomic landscape of paediatric adrenocortical tumours. Nature Communications, 2015, 6, 6302.	12.8	166
78	Hematopoietic stem cell transplantation for infantile osteopetrosis. Blood, 2015, 126, 270-276.	1.4	89
79	A Randomized Trial of Phototherapy with Filtered Sunlight in African Neonates. New England Journal of Medicine, 2015, 373, 1115-1124.	27.0	59
80	Advances in umbilical cord blood manipulationâ€"from niche to bedside. Nature Reviews Clinical Oncology, 2015, 12, 163-174.	27.6	62
81	An Exploratory Analysis of Mitochondrial Haplotypes and Allogeneic Hematopoietic Cell Transplantation Outcomes. Biology of Blood and Marrow Transplantation, 2015, 21, 81-88.	2.0	9
82	Impact of Long-Term Cryopreservation on Single Umbilical Cord Blood Transplantation Outcomes. Biology of Blood and Marrow Transplantation, 2015, 21, 50-54.	2.0	29
83	Impact of Frailty on Hematopoietic Cell on Early Transplant Outcomes in Older Recipients. Blood, 2015, 126, 388-388.	1.4	4
84	A Mathematical Model of Hematopoietic Stem Cell Transplantation and Analysis of the Effect of Drug Treatments on Transplantation in Patients with Lymphoma. Blood, 2015, 126, 2376-2376.	1.4	0
85	Vitamin D Insufficiency Is Common in Ugandan Children and Is Associated with Severe Malaria. PLoS ONE, 2014, 9, e113185.	2.5	37
86	Hematopoietic Stem Cell Transplantation in the Leukodystrophies: A Systematic Review of the Literature. Neuropediatrics, 2014, 45, 169-174.	0.6	35
87	Hematopoietic Stem Cell Transplantation in the Leukodystrophies: A Systematic Review of the Literature. Neuropediatrics, 2014, 45, e1-e1.	0.6	0
88	sdf1 Expression Reveals a Source of Perivascular-Derived Mesenchymal Stem Cells in Zebrafish. Stem Cells, 2014, 32, 2767-2779.	3.2	13
89	Isokinetic muscle strength differences in patients with mucopolysaccharidosis I, II, and VI. Journal of Pediatric Rehabilitation Medicine, 2014, 7, 353-360.	0.5	1
90	Patient-Specific Naturally Gene-Reverted Induced Pluripotent Stem Cells in Recessive Dystrophic Epidermolysis Bullosa. Journal of Investigative Dermatology, 2014, 134, 1246-1254.	0.7	70

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91	PCR-Based Allelic Discrimination for Glucose-6-Phosphate Dehydrogenase (G6PD) Deficiency in Ugandan Umbilical Cord Blood. Pediatric Hematology and Oncology, 2014, 31, 68-75.	0.8	12
92	Outcomes after Hematopoietic Stem Cell Transplantation for Children with I-Cell Disease. Biology of Blood and Marrow Transplantation, 2014, 20, 1847-1851.	2.0	150
93	The blood supply in Sub-Saharan Africa: Needs, challenges, and solutions. Transfusion and Apheresis Science, 2013, 49, 416-421.	1.0	66
94	A model of glucose-6-phosphate dehydrogenase deficiency in the zebrafish. Experimental Hematology, 2013, 41, 697-710.e2.	0.4	22
95	Effect of Radiation Dose-Rate on Hematopoietic Cell Engraftment in Adult Zebrafish. PLoS ONE, 2013, 8, e73745.	2.5	14
96	Bone Marrow Stromal and Vascular Smooth Muscle Cells Have Chemosensory Capacity via Bitter Taste Receptor Expression. PLoS ONE, 2013, 8, e58945.	2.5	48
97	Glucose-6-Phosphate Dehydrogenase Deficiency in Nigerian Children. PLoS ONE, 2013, 8, e68800.	2.5	20
98	The Oxidative Stress Response In Erythroid Precursors Is Mediated By tp53. Blood, 2013, 122, 7-7.	1.4	1
99	Hematopoietic stem cell transplant for lysosomal storage diseases. Pediatric Endocrinology Reviews, 2013, 11 Suppl 1, 91-8.	1.2	11
100	Migration of cardiomyocytes is essential for heart regeneration in zebrafish. Development (Cambridge), 2012, 139, 4133-4142.	2.5	125
101	Zebrafish stromal cells have endothelial properties and support hematopoietic cells. Experimental Hematology, 2012, 40, 61-70.e1.	0.4	5
102	Elevated Cerebral Spinal Fluid Cytokine Levels in Boys with Cerebral Adrenoleukodystrophy Correlates with MRI Severity. PLoS ONE, 2012, 7, e32218.	2.5	39
103	Cerebrospinal Fluid Matrix Metalloproteinases Are Elevated in Cerebral Adrenoleukodystrophy and Correlate with MRI Severity and Neurologic Dysfunction. PLoS ONE, 2012, 7, e50430.	2.5	28
104	Stromal cellâ€“derived factor-1 and hematopoietic cell homing in an adult zebrafish model of hematopoietic cell transplantation. Blood, 2011, 118, 766-774.	1.4	41
105	Outcomes after allogeneic hematopoietic cell transplantation for childhood cerebral adrenoleukodystrophy: the largest single-institution cohort report. Blood, 2011, 118, 1971-1978.	1.4	236
106	Chitotriosidase as a biomarker of cerebral adrenoleukodystrophy. Journal of Neuroinflammation, 2011, 8, 144.	7.2	32
107	Mesenchymal stromal cells from donors varying widely in age are of equal cellular fitness after in vitro expansion under hypoxic conditions. Cytotherapy, 2010, 12, 971-981.	0.7	18
108	Expression of Telomerase and Telomere Length Are Unaffected by either Age or Limb Regeneration in Danio rerio. PLoS ONE, 2009, 4, e7688.	2.5	65

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109	Granulocyte colony-stimulating factor mobilized CFU-F can be found in the peripheral blood but have limited expansion potential. Haematologica, 2008, 93, 908-912.	3.5	29
110	iTRAQ Is a Useful Method To Screen for Membrane-Bound Proteins Differentially Expressed in Human Natural Killer Cell Types. Journal of Proteome Research, 2007, 6, 644-653.	3.7	67
111	Telomere shortening in diaphragm and tibialis anterior muscles of aged mdx mice. Muscle and Nerve, 2007, 36, 387-390.	2.2	33
112	G-CSF Mobilized Human Mesenchymal Stem Cells Are Found in the Peripheral Blood and Have Telomere Limited Growth Potential.. Blood, 2006, 108, 4246-4246.	1.4	4