

David Cowley

List of Publications by Year in descending order

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Version: 2024-02-01

84
papers

6,774
citations

279798
23
h-index

74163
75
g-index

85
all docs

85
docs citations

85
times ranked

7539
citing authors

#	ARTICLE	IF	CITATIONS
1	Hyperglycemia and Adverse Pregnancy Outcomes. New England Journal of Medicine, 2008, 358, 1991-2002.	27.0	4,444
2	How Reliable Is a Negative Blood Culture Result? Volume of Blood Submitted for Culture in Routine Practice in a Children's Hospital. Pediatrics, 2007, 119, 891-896.	2.1	322
3	The Hyperglycemia and Adverse Pregnancy Outcome (HAPO) Study. International Journal of Gynecology and Obstetrics, 2002, 78, 69-77.	2.3	314
4	Placental Growth Hormone (GH), GH-Binding Protein, and Insulin-Like Growth Factor Axis in Normal, Growth-Retarded, and Diabetic Pregnancies: Correlations with Fetal Growth*. Journal of Clinical Endocrinology and Metabolism, 2000, 85, 1143-1150.	3.6	134
5	Expanded Newborn Screening: Outcome in Screened and Unscreened Patients at Age 6 Years. Pediatrics, 2009, 124, e241-e248.	2.1	132
6	Placental Growth Hormone (GH), GH-Binding Protein, and Insulin-Like Growth Factor Axis in Normal, Growth-Retarded, and Diabetic Pregnancies: Correlations with Fetal Growth. Journal of Clinical Endocrinology and Metabolism, 2000, 85, 1143-1150.	3.6	118
7	Urolithiasis and hepatotoxicity are linked to the anion transporter Sat1 in mice. Journal of Clinical Investigation, 2010, 120, 706-712.	8.2	100
8	Hormonal and Metabolic Factors Associated With Variations in Insulin Sensitivity in Human Pregnancy. Diabetes Care, 2010, 33, 356-360.	8.6	74
9	Breastmilk-Saliva Interactions Boost Innate Immunity by Regulating the Oral Microbiome in Early Infancy. PLoS ONE, 2015, 10, e0135047.	2.5	70
10	Decreased blood dendritic cell counts in type 1 diabetic children. Clinical Immunology, 2007, 123, 281-288.	3.2	61
11	Measuring the systemic effects of inhaled beclomethasone: timed morning urine collections compared with 24 hour specimens.. Thorax, 1995, 50, 1280-1284.	5.6	54
12	Deep sequencing of the 16S ribosomal RNA of the neonatal oral microbiome: a comparison of breast-fed and formula-fed infants. Scientific Reports, 2016, 6, 38309.	3.3	51
13	Combined pituitary hormone deficiency in Australian children: clinical and genetic correlates. Clinical Endocrinology, 2003, 58, 785-794.	2.4	50
14	The relationship between insulin secretion, the insulin-like growth factor axis and growth in children with cystic fibrosis. Clinical Endocrinology, 2002, 56, 383-389.	2.4	48
15	Home monitoring of 17 hydroxyprogesterone levels in congenital adrenal hyperplasia with filter paper blood samples. Journal of Pediatrics, 1999, 134, 185-189.	1.8	47
16	The outcome in Australian children with hyperinsulinism of infancy: early extensive surgery in severe cases lowers risk of diabetes. Clinical Endocrinology, 2003, 58, 355-364.	2.4	37
17	The clinical and biochemical spectrum of congenital adrenal hyperplasia secondary to 21-hydroxylase deficiency. Clinical Biochemist Reviews, 2009, 30, 75-86.	3.3	37
18	The association between ketoacidosis and 25(OH)-vitamin D ₃ levels at presentation in children with type 1 diabetes mellitus. Pediatric Diabetes, 2009, 10, 38-43.	2.9	35

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19	Scurvy: A cutaneous clinical diagnosis. Australasian Journal of Dermatology, 2003, 44, 48-51.	0.7	30
20	Investigating maturity onset diabetes of the young. Clinical Biochemist Reviews, 2009, 30, 67-74.	3.3	28
21	The effect of breastmilk and saliva combinations on the in vitro growth of oral pathogenic and commensal microorganisms. Scientific Reports, 2018, 8, 15112.	3.3	27
22	PATHOGENESIS OF POSTOPERATIVE HYPONATRAEMIA FOLLOWING CORRECTION OF SCOLIOSIS IN CHILDREN. ANZ Journal of Surgery, 1988, 58, 485-489.	0.7	26
23	A novel NR 5 A 1 variant in an infant with elevated testosterone from an A ustralasian cohort of 46, XY patients with disorders of sex development. Clinical Endocrinology, 2013, 78, 545-550.	2.4	24
24	Stability of the Strong Ion Gap versus the Anion Gap over Extremes of PCO ₂ and pH. Anaesthesia and Intensive Care, 2007, 35, 370-373.	0.7	23
25	AUTISM AND ADENYLOSUCCINASE DEFICIENCY. Journal of the American Academy of Child and Adolescent Psychiatry, 2000, 39, 274-275.	0.5	22
26	Two Novel Mutant Human Adenylosuccinate Lyases (ASLs) Associated with Autism and Characterization of the Equivalent Mutant Bacillus subtilis ASL. Journal of Biological Chemistry, 2004, 279, 53789-53797.	3.4	20
27	Autopsy Diagnosis of 21-Hydroxylase Deficiency CAH in a Case of Apparent SIDS. Pediatric and Developmental Pathology, 2005, 8, 397-401.	1.0	19
28	Associations of serum vitamin D concentrations with obstetric glucose metabolism in a subset of the Hyperglycemia and Adverse Pregnancy Outcome (HAPO) study cohort. Diabetic Medicine, 2012, 29, e199-204.	2.3	19
29	Reference intervals for calcium, phosphate, and alkaline phosphatase as derived on the basis of multichannel-analyzer profiles. Clinical Chemistry, 1986, 32, 76-9.	3.2	19
30	HumanSLC26A1 Gene Variants: A Pilot Study. Scientific World Journal, The, 2013, 2013, 1-7.	2.1	18
31	Adult-onset arginase deficiency. Journal of Inherited Metabolic Disease, 1998, 21, 677-678.	3.6	17
32	Utility of AVP gene testing in familial neurohypophyseal diabetes insipidus. Clinical Endocrinology, 2008, 69, 926-930.	2.4	17
33	Collection and determination of nucleotide metabolites in neonatal and adult saliva by high performance liquid chromatography with tandem mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2013, 931, 140-147.	2.3	16
34	A sensitive, high-throughput fluorescent method for the determination of lactoperoxidase activities in milk and comparison in human, bovine, goat and camel milk. Food Chemistry, 2021, 339, 128090.	8.2	16
35	Equivalent Metabolic Acidosis with Four Colloids and Saline on Ex Vivo Haemodilution. Anaesthesia and Intensive Care, 2009, 37, 407-414.	0.7	15
36	Simplified column liquid chromatographic method for measuring urinary oxalate. Biomedical Applications, 1986, 383, 137-141.	1.7	14

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37	Maternal gonadal mosaicism causing ornithine transcarbamylase deficiency. , 1999, 85, 452-454.		14
38	Study of alanine aminopeptidase excretion as a test of gentamicin nephrotoxicity. Journal of Antimicrobial Chemotherapy, 1983, 11, 455-465.	3.0	13
39	The Variability and Dietary Dependence of Urinary Oxalate Excretion in Recurrent Calcium Stone Formers. Annals of Clinical Biochemistry, 1987, 24, 385-390.	1.6	13
40	Placental Growth Hormone Is Not Suppressed by Oral Glucose Loading in Normal Human Pregnancy. Hormone and Metabolic Research, 2002, 34, 250-253.	1.5	13
41	Androgen Receptor Genotyping in a Large Australasian Cohort with Androgen Insensitivity Syndrom? Identification of Four Novel Mutations. Journal of Pediatric Endocrinology and Metabolism, 2007, 20, 893-908.	0.9	13
42	Genotype-Phenotype Associations in Patients with Severe Hyperinsulinism of Infancy. Pediatric and Developmental Pathology, 2007, 10, 25-34.	1.0	13
43	Plasma sodium measurements by direct ion selective methods in laboratory and point of care may not be clinically interchangeable. Journal of Clinical Monitoring and Computing, 2017, 31, 1103-1109.	1.6	13
44	A sensitive and high-throughput fluorescent method for determination of oxidase activities in human, bovine, goat and camel milk. Food Chemistry, 2021, 336, 127689.	8.2	13
45	A possible etiological role for ascorbate in calculi formation. Clinical Chemistry, 1986, 32, 333-6.	3.2	13
46	Is it time to commence newborn screening for congenital adrenal hyperplasia in Australia?. Medical Journal of Australia, 2011, 195, 260-262.	1.7	12
47	Fibronectin as a Predictor of Preeclampsia: A Pilot Study. Australian and New Zealand Journal of Obstetrics and Gynaecology, 1996, 36, 1-3.	1.0	11
48	Stability of ascorbate in urine: relevance to analyses for ascorbate and oxalate. Clinical Chemistry, 1985, 31, 1703-5.	3.2	11
49	Comparison of ⁵¹ Cr EDTA clearance with formulae in the measurement of glomerular filtration rate. Pathology, 1986, 18, 445-447.	0.6	10
50	21-Hydroxylase Genotyping in Australasian Patients with Congenital Adrenal Hyperplasia. Journal of Pediatric Endocrinology and Metabolism, 2009, 22, 127-41.	0.9	9
51	GAMMA HEAVY CHAIN DISEASE DEVELOPING IN ASSOCIATION WITH MYELODYSPLASTIC SYNDROME. British Journal of Haematology, 1992, 81, 125-126.	2.5	8
52	Improved colorimetric determination of urinary thiosulfate to study intermediate sulfur metabolism in humans. Clinical Chemistry, 1993, 39, 2533-4.	3.2	8
53	Low Maternal Serum Oestriol at Mid-Trimester May Indicate a Fetal Disorder of Cholesterol Biosynthesis. Australian and New Zealand Journal of Obstetrics and Gynaecology, 1999, 39, 249-251.	1.0	7
54	Rapid estimation of urinary citrate by use of a centrifugal analyzer. Clinical Chemistry, 1985, 31, 779-80.	3.2	7

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55	Corticotropin deficiency: A rare cause of hyponatremia mimicking siadh. Pathology, 1991, 23, 8-10.	0.6	6
56	A radioimmunoassay of human prealbumin in body fluids. Clinica Chimica Acta, 1983, 134, 69-76.	1.1	5
57	CELLULOSE PHOSPHATE AND CHLOROTHIAZIDE IN CHILDHOOD IDIOPATHIC HYPERCALCIURIA. Australian and New Zealand Journal of Medicine, 1986, 16, 43-47.	0.5	5
58	Non-anaemic iron deficiency identified by ZPP test in extremely premature infants: prevalence, dietary risk factors, and association with neurodevelopmental problems. Early Human Development, 2002, 70, 73-83.	1.8	5
59	Chemical factors important to calcium nephrolithiasis: evidence for impaired hydroxycarboxylic acid absorption causing hyperoxaluria. Clinical Chemistry, 1987, 33, 243-7.	3.2	5
60	A comparative study of a premature infant formula and preterm breast milk for low birthweight infants. Journal of Paediatrics and Child Health, 1986, 22, 199-205.	0.8	4
61	Enteric Hyperoxaluria and Urolithiasis. New England Journal of Medicine, 1986, 315, 970-971.	27.0	4
62	IS PARATHYROID HORMONE-RELATED PROTEIN A SENSITIVE SERUM MARKER IN ADVANCED BREAST CANCER?. ANZ Journal of Surgery, 1997, 67, 256-259.	0.7	4
63	Individualizing aminophylline doses in premature infants using bioelectrical impedance: A non-invasive approach. Journal of Paediatrics and Child Health, 1993, 29, 113-118.	0.8	4
64	Preliminary Evidence for Enhanced Thymine Absorption: A Putative New Phenotype Associated With Fluoropyrimidine Toxicity in Cancer Patients. Therapeutic Drug Monitoring, 2018, 40, 495-502.	2.0	4
65	Two-carbon oxalogenesis compared in recurrent calcium oxalate stone formers and normal subjects. Clinical Chemistry, 1987, 33, 1118-20.	3.2	4
66	Rhabdomyolysis in Diabetic Ketoacidosis. JAMA Pediatrics, 1981, 135, 1079.	3.0	3
67	A report of accidental ethylene glycol ingestion in 2 siblings. Pathology, 1995, 27, 273-276.	0.6	3
68	Re: Levine et al. Fecal Hydrogen Sulfide Production in Ulcerative Colitis. American Journal of Gastroenterology, 1998, 93, 2638.	0.4	3
69	A Novel V185DfsX4 Mutation of the AAAS Gene in a 2-year-old Boy with Triple A Syndrome. Clinical Pediatric Endocrinology, 2009, 18, 73-75.	0.8	3
70	Urinary oxalate by rate analysis compared with gas-chromatographic and centrifugal analyzer methods. Clinical Chemistry, 1984, 30, 1891-2.	3.2	3
71	PORTAL VEIN PERFUSION OF THE ISOLATED RAT LIVER: SOME MARKERS OF HYPERTHERMIC LIVER DAMAGE. The Australian Journal of Experimental Biology and Medical Science, 1984, 62, 73-80.	0.7	2
72	Detection of premature rupture of membranes by measuring diamine oxidase in vaginal fluid: false-negative results caused by obstetric antiseptic creams. Clinical Chemistry, 1992, 38, 784.	3.2	2

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73	Effect of citrate on the urinary excretion of calcium and oxalate: relevance to calcium oxalate nephrolithiasis. Clinical Chemistry, 1989, 35, 23-8.	3.2	2
74	An automated method for measuring plasma citrate without protein precipitation. Clinical Chemistry, 1985, 31, 1578-9.	3.2	2
75	Quantitative determination of serum methemalbumin. Pathology, 1986, 18, 310-312.	0.6	1
76	Effect of oral citrate on calcium absorption after an oral load of calcium phosphate. Clinical Chemistry, 1989, 35, 1541.	3.2	1
77	Evidence that the Glucose-Tolerance Test Does Not Provide a Uniform Stimulus to Pancreatic Islets in Pregnancy. Obstetrical and Gynecological Survey, 1990, 45, 175-176.	0.4	0
78	Paediatric diabetes – which children can gain insulin independence?. Medical Journal of Australia, 2007, 187, 478-478.	1.7	0
79	Enzymes Indigenous to Milk: Xanthine Oxidoreductase. , 2022, , 701-705.		0
80	Hypoglycaemia: assessment and management. , 2011, , 1039-1048.		0
81	Human Placental Oxygen Metabolism. Advances in Experimental Medicine and Biology, 1992, 316, 463-466.	1.6	0
82	Effects of platelets on collection of specimens for assay of ammonia in plasma. Clinical Chemistry, 1985, 31, 332-3.	3.2	0
83	Stabilization of the reaction mixture used in urinary citrate estimations. Clinical Chemistry, 1985, 31, 1579.	3.2	0
84	False-positive result of a glucose tolerance test. Medical Journal of Australia, 1988, 149, 225-226.	1.7	0