

Mark D Kellogg

List of Publications by Year in descending order

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Version: 2024-02-01

88
papers

2,574
citations

218677

26
h-index

197818

49
g-index

89
all docs

89
docs citations

89
times ranked

4945
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Thiocyanate toxicity: a teaching case. <i>Clinical Toxicology</i> , 2022, 60, 876-881. | 1.9 | 3 |
| 2 | Multiplexed LC-MS/MS analysis of methylsuccinic acid, ethylmalonic acid, and glutaric acid in plasma and urine. <i>Analytical Biochemistry</i> , 2022, 645, 114604. | 2.4 | 1 |
| 3 | Human Milk Hormone Intake in the First Month of Life and Physical Growth Outcomes in Preterm Infants. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021, 106, 1793-1803. | 3.6 | 7 |
| 4 | Development and validation of an immunoassay for quantification of NCAM-1 in human plasma. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 197, 113981. | 2.8 | 2 |
| 5 | 112. A Rapid Host-Protein Signature Based on TNF-related Apoptosis-Induced Ligand (TRAIL), Interferon Gamma Induced Protein-10 (IP-10) and C-Reactive Protein (CRP) Accurately Differentiates Between Bacterial and Viral Infection in Febrile Children: Apollo Sub-Study. <i>Open Forum Infectious Diseases</i> , 2021, 8, S69-S69. | 0.9 | 0 |
| 6 | Gastrointestinal Hormone Profiles Associated With Enteral Nutrition Tolerance and Gastric Emptying in Pediatric Critical Illness: A Pilot Study. <i>Journal of Parenteral and Enteral Nutrition</i> , 2020, 44, 472-480. | 2.6 | 8 |
| 7 | Clinical Validation of Targeted and Untargeted Metabolomics Testing for Genetic Disorders: A 3 Year Comparative Study. <i>Scientific Reports</i> , 2020, 10, 9382. | 3.3 | 24 |
| 8 | Consolidation of vitamin A and E methods onto a multiplexing liquid chromatography tandem mass spectrometry platform simplifies laboratory workflow. <i>Clinica Chimica Acta</i> , 2020, 505, 31-33. | 1.1 | 1 |
| 9 | Modulation of radiation biomarkers in a randomized phase II study of 131I-MIBG with or without radiation sensitizers for resistant/relapsed neuroblastoma.. <i>Journal of Clinical Oncology</i> , 2020, 38, e22514-e22514. | 1.6 | 0 |
| 10 | Safety of Biweekly Chlorhexidine Gluconate Bathing in Infants 36 To 48 Weeksâ€™ Postmenstrual Age. <i>American Journal of Critical Care</i> , 2019, 28, 451-459. | 1.6 | 5 |
| 11 | Diablo ubiquitination analysis by sandwich immunoassay. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 173, 40-46. | 2.8 | 5 |
| 12 | Establishing Pediatric and Adult RBC Reference Intervals With NHANES Data Using Piecewise Regression. <i>American Journal of Clinical Pathology</i> , 2019, 151, 128-142. | 0.7 | 30 |
| 13 | Markers of Environmental Enteric Dysfunction Are Associated With Neurodevelopmental Outcomes in Tanzanian Children. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2018, 66, 953-959. | 1.8 | 13 |
| 14 | Human CCDC47 sandwich immunoassay development with electrochemiluminescence technology. <i>Journal of Immunological Methods</i> , 2018, 452, 12-19. | 1.4 | 1 |
| 15 | Characterization of growth hormone disulfide-linked molecular isoforms during post-exercise release vs nocturnal pulsatile release reveals similar milieu composition. <i>Growth Hormone and IGF Research</i> , 2018, 42-43, 102-107. | 1.1 | 2 |
| 16 | Can EHR Data Close the Gap with Reference Interval Studies?. <i>Journal of Applied Laboratory Medicine</i> , 2018, 3, 343-345. | 1.3 | 0 |
| 17 | Acute Alcohol Toxicity. <i>Clinical Chemistry</i> , 2018, 64, 1788-1789. | 3.2 | 0 |
| 18 | Effect of hemolysis, icterus, and lipemia on three acetaminophen assays: Potential medical consequences of false positive results. <i>Clinica Chimica Acta</i> , 2018, 487, 287-292. | 1.1 | 9 |

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|----|--|-----|-----------|
| 19 | Etiology of Diarrhea, Nutritional Outcomes, and Novel Intestinal Biomarkers in Tanzanian Infants. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2017, 64, 104-108. | 1.8 | 8 |
| 20 | Moderate doses of commercial preparations of Ginkgo biloba do not alter markers of liver function but moderate alcohol intake does: A new approach to identify and quantify biomarkers of "adverse effects" of dietary supplements. <i>Regulatory Toxicology and Pharmacology</i> , 2017, 84, 45-53. | 2.7 | 10 |
| 21 | Use of Oxyhemoglobin Saturation, Rather Than Oxygen Tension, as a Marker of Oxygenation in Cyanotic Patients. <i>JAMA Pediatrics</i> , 2017, 171, 1012. | 6.2 | 3 |
| 22 | Towards a random-access LC-MS/MS model for busulfan analysis. <i>Clinical Chemistry and Laboratory Medicine</i> , 2017, 55, e154-e157. | 2.3 | 1 |
| 23 | Toxicants in folk remedies: implications of elevated blood lead in an American-born infant due to imported diaper powder. <i>Environmental Geochemistry and Health</i> , 2017, 39, 1133-1143. | 3.4 | 6 |
| 24 | Measurement of Biological Materials. , 2017, , 137-155. | | 3 |
| 25 | Dose and response to cocoa (DARC): A randomized double-blind controlled trial. <i>Clinical Trials and Regulatory Science in Cardiology</i> , 2016, 23-24, 9-15. | 1.0 | 3 |
| 26 | Measurement of neosaxitoxin in human plasma using liquid chromatography tandem mass spectrometry: Proof of concept for a pharmacokinetic application. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1036-1037, 42-49. | 2.3 | 8 |
| 27 | A Phase 1, Dose-escalation, Double-blind, Block-randomized, Controlled Trial of Safety and Efficacy of Neosaxitoxin Alone and in Combination with 0.2% Bupivacaine, with and without Epinephrine, for Cutaneous Anesthesia. <i>Anesthesiology</i> , 2015, 123, 873-885. | 2.5 | 51 |
| 28 | Family Hardships and Serum Cotinine in Children With Asthma. <i>Pediatrics</i> , 2015, 135, e416-e423. | 2.1 | 14 |
| 29 | Associations of total and abdominal adiposity with risk marker patterns in children at high-risk for cardiovascular disease. <i>BMC Obesity</i> , 2015, 2, 15. | 3.1 | 10 |
| 30 | Multicenter Evaluation of the Thermo Scientific Prelude for Measurement of Immunosuppressant Drugs Using Sample Preparation Liquid Chromatography Tandem Mass Spectrometry. <i>Therapeutic Drug Monitoring</i> , 2015, 37, 161-171. | 2.0 | 13 |
| 31 | Preanalytical Considerations in the Design of Clinical Trials and Epidemiological Studies. <i>Clinical Chemistry</i> , 2015, 61, 797-803. | 3.2 | 17 |
| 32 | Mice With Hepatocyte-Specific Deficiency of Type 3 Deiodinase Have Intact Liver Regeneration and Accelerated Recovery From Nonthyroidal Illness After Toxin-Induced Hepatonecrosis. <i>Endocrinology</i> , 2014, 155, 4061-4068. | 2.8 | 7 |
| 33 | Serum Citrulline as a Biomarker of Gastrointestinal Function During Hematopoietic Cell Transplantation in Children. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2014, 58, 709-714. | 1.8 | 30 |
| 34 | Personalized Therapeutics and Companion Diagnostics: A New Paradigm in Testing and Treatment. <i>Clinical Chemistry</i> , 2014, 60, 795-796. | 3.2 | 2 |
| 35 | Twenty-Hour Growth Hormone Secretory Profiles after Aerobic and Resistance Exercise. <i>Medicine and Science in Sports and Exercise</i> , 2014, 46, 1917-1927. | 0.4 | 10 |
| 36 | Cotinine in Children Admitted for Asthma and Readmission. <i>Pediatrics</i> , 2014, 133, e355-e362. | 2.1 | 71 |

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|----|---|-----|-----------|
| 37 | Liquid Chromatography-Tandem Mass Spectrometry Enzyme Assay for UDP-Galactose 4-Epimerase: Use of Fragment Intensity Ratio in Differentiation of Structural Isomers. <i>Clinical Chemistry</i> , 2014, 60, 783-790. | 3.2 | 6 |
| 38 | Improved separation and analysis of plasma amino acids by modification of the MassTrak [™] AAA Solution Ultrapformance [®] liquid chromatography method. <i>Clinica Chimica Acta</i> , 2013, 423, 75-82. | 1.1 | 20 |
| 39 | Whey Protein Supplementation During Resistance Training Augments Lean Body Mass. <i>Journal of the American College of Nutrition</i> , 2013, 32, 122-135. | 1.8 | 137 |
| 40 | Variation in clinical vitamin D status by DiaSorin Liaison and LC-MS/MS in the presence of elevated 25-OH vitamin D2. <i>Clinica Chimica Acta</i> , 2013, 415, 54-58. | 1.1 | 37 |
| 41 | Effects of Theobromine and Caffeine on Mood and Vigilance. <i>Journal of Clinical Psychopharmacology</i> , 2013, 33, 499-506. | 1.4 | 32 |
| 42 | Commentary. <i>Clinical Chemistry</i> , 2013, 59, 1445-1446. | 3.2 | 0 |
| 43 | The United Kingdom National Health Service Perspective on the Power of Information in Healthcare. <i>Clinical Chemistry</i> , 2013, 59, 860-861. | 3.2 | 0 |
| 44 | Associations Between Intestinal Mucosal Function and Changes in Plasma Zinc Concentration Following Zinc Supplementation. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2013, 57, 348-355. | 1.8 | 20 |
| 45 | Changes in serum citrulline during hematopoietic cell transplantation (HCT) in children. <i>FASEB Journal</i> , 2013, 27, 846.8. | 0.5 | 0 |
| 46 | Changes in plasma citrulline concentration among young Malian children with moderate acute malnutrition following a 12-week dietary intervention. <i>FASEB Journal</i> , 2013, 27, 618.10. | 0.5 | 0 |
| 47 | Sweetened Beverage Consumption, Incident Coronary Heart Disease, and Biomarkers of Risk in Men. <i>Circulation</i> , 2012, 125, 1735-1741. | 1.6 | 398 |
| 48 | Response to Letters Regarding Article, "Sweetened Beverage Consumption, Incident Coronary Heart Disease, and Biomarkers of Risk in Men." <i>Circulation</i> , 2012, 126, . | 1.6 | 0 |
| 49 | A multiplex immunoassay gives different results than singleplex immunoassays which may bias epidemiologic associations. <i>Clinical Biochemistry</i> , 2012, 45, 848-851. | 1.9 | 19 |
| 50 | Recurrent unexplained hyperammonemia in an adolescent with arginase deficiency. <i>Clinical Biochemistry</i> , 2012, 45, 1583-1586. | 1.9 | 10 |
| 51 | Multiple juvenile idiopathic arthritis subtypes demonstrate proinflammatory IgG glycosylation. <i>Arthritis and Rheumatism</i> , 2012, 64, 3025-3033. | 6.7 | 29 |
| 52 | Lipid and other plasma markers are associated with anxiety, depression, and fatigue.. <i>Health Psychology</i> , 2012, 31, 210-216. | 1.6 | 30 |
| 53 | Design and Validation of a High-Throughput Matrix-Assisted Laser Desorption Ionization Time-of-Flight Mass Spectrometry Method for Quantification of Hepcidin in Human Plasma. <i>Analytical Chemistry</i> , 2011, 83, 8357-8362. | 6.5 | 20 |
| 54 | Appetite and Endocrine Regulators of Energy Balance After 2 Days of Energy Restriction: Insulin, Leptin, Ghrelin, and DHEA. <i>Obesity</i> , 2011, 19, 1124-1130. | 3.0 | 30 |

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|----|---|-----|-----------|
| 55 | Ultra fast and sensitive liquid chromatography tandem mass spectrometry based assay for galactose-1-phosphate uridylyltransferase and galactokinase deficiencies. <i>Molecular Genetics and Metabolism</i> , 2011, 102, 33-40. | 1.1 | 20 |
| 56 | Clinical utility of Abbott Precision Xceed Pro [®] ketone meter in diabetic patients. <i>Pediatric Diabetes</i> , 2011, 12, 649-655. | 2.9 | 37 |
| 57 | Sensitive isotope dilution liquid chromatography/tandem mass spectrometry method for quantitative analysis of bumetanide in serum and brain tissue. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2011, 879, 998-1002. | 2.3 | 44 |
| 58 | What Is Your Guess? A Rare Form of a Parasite under the Microscope. <i>Clinical Chemistry</i> , 2011, 57, 533-534. | 3.2 | 0 |
| 59 | A 9-Month-Old Boy with Seizures and Discrepant Urine Tryptophan Concentrations. <i>Clinical Chemistry</i> , 2011, 57, 545-548. | 3.2 | 5 |
| 60 | What Is Your Guess? A Four-Day-Old Boy with an Abnormal Metabolic Screen. <i>Clinical Chemistry</i> , 2011, 57, 927-928. | 3.2 | 1 |
| 61 | Quantification of theobromine and caffeine in saliva, plasma and urine via liquid chromatography-tandem mass spectrometry: A single analytical protocol applicable to cocoa intervention studies. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2010, 878, 409-416. | 2.3 | 73 |
| 62 | Quantification of Galactose-1-Phosphate Uridyltransferase Enzyme Activity by Liquid Chromatography-Tandem Mass Spectrometry. <i>Clinical Chemistry</i> , 2010, 56, 772-780. | 3.2 | 22 |
| 63 | Monitoring of Therapy in Congenital Adrenal Hyperplasia. <i>Clinical Chemistry</i> , 2010, 56, 1245-1251. | 3.2 | 58 |
| 64 | Commentary. <i>Clinical Chemistry</i> , 2010, 56, 1065-1065. | 3.2 | 0 |
| 65 | Difficulty Measuring Methotrexate in a Patient with High-Dose Methotrexate-Induced Nephrotoxicity. <i>Clinical Chemistry</i> , 2010, 56, 1792-1794. | 3.2 | 30 |
| 66 | Lead poisoning from use of bronze drinking vessels during the late Chinese Shang dynasty: an in vitro experiment. <i>Clinical Toxicology</i> , 2010, 48, 757-761. | 1.9 | 2 |
| 67 | Detection of Biological Agents Used for Terrorism: Are We Ready?. <i>Clinical Chemistry</i> , 2010, 56, 10-15. | 3.2 | 11 |
| 68 | Liquid Chromatography-Tandem Mass Spectrometry (LC-MS-MS) Method for Monitoring Methotrexate in the Setting of Carboxypeptidase-G2 Therapy. <i>Methods in Molecular Biology</i> , 2010, 603, 359-363. | 0.9 | 8 |
| 69 | Effects of theobromine, a caffeine-like substance found in cocoa and chocolate, on mood and vigilance. <i>FASEB Journal</i> , 2010, 24, 209.5. | 0.5 | 1 |
| 70 | Interlaboratory comparability of serum cotinine measurements at smoker and nonsmoker concentration levels: A round-robin study. <i>Nicotine and Tobacco Research</i> , 2009, 11, 1458-1466. | 2.6 | 65 |
| 71 | What Is Your Guess? Hyperkalemia or Hypokalemia?. <i>Clinical Chemistry</i> , 2009, 55, 2068-2068. | 3.2 | 0 |
| 72 | A Short Course of Antibiotic Treatment Is Effective in Preventing Death from Experimental Inhalational Anthrax after Discontinuing Antibiotics. <i>Journal of Infectious Diseases</i> , 2009, 199, 336-341. | 4.0 | 39 |

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|----|---|------|-----------|
| 73 | Mutations in mitochondrial carrier family gene SLC25A38 cause nonsyndromic autosomal recessive congenital sideroblastic anemia. <i>Nature Genetics</i> , 2009, 41, 651-653. | 21.4 | 220 |
| 74 | Effects of Exercise Mode and Duration on 24-h IGF-I System Recovery Responses. <i>Medicine and Science in Sports and Exercise</i> , 2009, 41, 1261-1270. | 0.4 | 32 |
| 75 | Performance evaluation of a particle-enhanced turbidimetric cystatin C assay on the Hitachi 917 analyzer. <i>Clinica Chimica Acta</i> , 2008, 398, 75-77. | 1.1 | 11 |
| 76 | Effects of dietary protein content on IGF-I, testosterone, and body composition during 8 days of severe energy deficit and arduous physical activity. <i>Journal of Applied Physiology</i> , 2008, 105, 58-64. | 2.5 | 64 |
| 77 | A Girl with Goiter and Inappropriate Thyroid-Stimulating Hormone Secretion. <i>Clinical Chemistry</i> , 2008, 54, 1241-1244. | 3.2 | 12 |
| 78 | Novel Association of ABO Histo-Blood Group Antigen with Soluble ICAM-1: Results of a Genome-Wide Association Study of 6,578 Women. <i>PLoS Genetics</i> , 2008, 4, e1000118. | 3.5 | 289 |
| 79 | A double-blind, placebo-controlled test of 2 d of calorie deprivation: effects on cognition, activity, sleep, and interstitial glucose concentrations. <i>American Journal of Clinical Nutrition</i> , 2008, 88, 667-676. | 4.7 | 53 |
| 80 | Utility of circulating IGF-I as a biomarker for assessing body composition changes in men during periods of high physical activity superimposed upon energy and sleep restriction. <i>Journal of Applied Physiology</i> , 2007, 103, 340-346. | 2.5 | 65 |
| 81 | Voluntary Muscle Function after Creatine Supplementation in Acute Hypobaric Hypoxia. <i>Medicine and Science in Sports and Exercise</i> , 2006, 38, 1418-1424. | 0.4 | 6 |
| 82 | Evaluation of an enzymatic homocysteine assay for the Hitachi series chemistry analyzer. <i>Clinica Chimica Acta</i> , 2005, 354, 117-122. | 1.1 | 8 |
| 83 | Effect of chronic caffeine intake on choice reaction time, mood, and visual vigilance. <i>Physiology and Behavior</i> , 2005, 85, 629-634. | 2.1 | 46 |
| 84 | Rapid and Simple Tandem Mass Spectrometry Method for Determination of Serum Cotinine Concentration. <i>Clinical Chemistry</i> , 2004, 50, 2157-2159. | 3.2 | 14 |
| 85 | Branched-chain amino acid supplementation and human performance when hypohydrated in the heat. <i>Journal of Applied Physiology</i> , 2004, 97, 1275-1282. | 2.5 | 57 |
| 86 | Measurement of Insulin-Like Growth Factor-I During Military Operational Stress via a Filter Paper Blood Spot Assay. <i>Diabetes Technology and Therapeutics</i> , 2003, 5, 455-461. | 4.4 | 15 |
| 87 | Overnight responses of the circulating IGF-I system after acute, heavy-resistance exercise. <i>Journal of Applied Physiology</i> , 2001, 90, 1319-1326. | 2.5 | 95 |
| 88 | Physiological inactivation of vasoactive hormones in rainbow trout. , 1997, 279, 254-264. | | 5 |