

Brian G Keevil

List of Publications by Year in descending order

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97
papers

3,561
citations

126858

33
h-index

149623

56
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all docs

97
docs citations

97
times ranked

4122
citing authors

#	ARTICLE	IF	CITATIONS
1	Mass spectrometry and immunoassay: how to measure steroid hormones today and tomorrow. <i>European Journal of Endocrinology</i> , 2015, 173, D1-D12.	1.9	231
2	Official International Association for Therapeutic Drug Monitoring and Clinical Toxicology Guideline: Development and Validation of Dried Blood Spot-Based Methods for Therapeutic Drug Monitoring. <i>Therapeutic Drug Monitoring</i> , 2019, 41, 409-430.	1.0	188
3	Age-Specific Reference Ranges for Serum Testosterone and Androstenedione Concentrations in Women Measured by Liquid Chromatography-Tandem Mass Spectrometry. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2012, 97, 408-415.	1.8	148
4	Low Free Testosterone Is Associated with Hypogonadal Signs and Symptoms in Men with Normal Total Testosterone. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016, 101, 2647-2657.	1.8	129
5	Simultaneous measurement of cortisol and cortisone in human saliva using liquid chromatography-tandem mass spectrometry: Application in basal and stimulated conditions. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009, 877, 3771-3775.	1.2	122
6	Development of and Recovery from Secondary Hypogonadism in Aging Men: Prospective Results from the EMAS. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2015, 100, 3172-3182.	1.8	118
7	LC-MS/MS analysis of steroids in the clinical laboratory. <i>Clinical Biochemistry</i> , 2016, 49, 989-997.	0.8	110
8	Novel liquid chromatography tandem mass spectrometry (LC-MS/MS) methods for measuring steroids. <i>Best Practice and Research in Clinical Endocrinology and Metabolism</i> , 2013, 27, 663-674.	2.2	97
9	The analysis of dried blood spot samples using liquid chromatography tandem mass spectrometry. <i>Clinical Biochemistry</i> , 2011, 44, 110-118.	0.8	96
10	Comparison of serum cortisol measurement by immunoassay and liquid chromatography-tandem mass spectrometry in patients receiving the 11 β -hydroxylase inhibitor metyrapone. <i>Annals of Clinical Biochemistry</i> , 2011, 48, 441-446.	0.8	91
11	Salivary Cortisone Reflects Cortisol Exposure Under Physiological Conditions and After Hydrocortisone. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016, 101, 1469-1477.	1.8	84
12	Liquid chromatography tandem mass spectrometry in the clinical laboratory. <i>Annals of Clinical Biochemistry</i> , 2015, 52, 18-38.	0.8	81
13	High throughput LC-MS/MS method for the simultaneous analysis of multiple vitamin D analytes in serum. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1014, 56-63.	1.2	75
14	Rapid Liquid Chromatography-Tandem Mass Spectrometry Method for Routine Analysis of Cyclosporin A Over an Extended Concentration Range. <i>Clinical Chemistry</i> , 2002, 48, 69-76.	1.5	73
15	Assessment of free testosterone concentration. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2019, 190, 207-211.	1.2	73
16	Serum Cortisol: An Up-To-Date Assessment of Routine Assay Performance. <i>Clinical Chemistry</i> , 2016, 62, 1220-1229.	1.5	70
17	Prevention of Adrenal Crisis: Cortisol Responses to Major Stress Compared to Stress Dose Hydrocortisone Delivery. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020, 105, 2262-2274.	1.8	68
18	Validation of an Assay for Voriconazole in Serum Samples Using Liquid Chromatography-Tandem Mass Spectrometry. <i>Therapeutic Drug Monitoring</i> , 2004, 26, 650-657.	1.0	66

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19	25-hydroxyvitamin D3 and 1,25-dihydroxyvitamin D3 exert distinct effects on human skeletal muscle function and gene expression. <i>PLoS ONE</i> , 2017, 12, e0170665.	1.1	65
20	Determination of tobramycin in serum using liquid chromatography-tandem mass spectrometry and comparison with a fluorescence polarisation assay. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2003, 794, 329-335.	1.2	62
21	Serum and plasma 5-hydroxyindoleacetic acid as an alternative to 24-h urine 5-hydroxyindoleacetic acid measurement. <i>Annals of Clinical Biochemistry</i> , 2016, 53, 554-560.	0.8	59
22	Simultaneous measurement of cyclosporin A and tacrolimus from dried blood spots by ultra high performance liquid chromatography tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2012, 883-884, 102-107.	1.2	58
23	Simultaneous analysis of cortisol and cortisone in saliva using XLC-MS/MS for fully automated online solid phase extraction. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2012, 881-882, 42-48.	1.2	54
24	Constitutively active follicle-stimulating hormone receptor enables androgen-independent spermatogenesis. <i>Journal of Clinical Investigation</i> , 2018, 128, 1787-1792.	3.9	54
25	Interlaboratory Variation in 25-Hydroxyvitamin D2 and 25-Hydroxyvitamin D3 Is Significantly Improved If Common Calibration Material Is Used. <i>Clinical Chemistry</i> , 2008, 54, 2082-2084.	1.5	53
26	Measurement of salivary cortisol with liquid chromatography-tandem mass spectrometry in patients undergoing dynamic endocrine testing. <i>Clinical Endocrinology</i> , 2010, 72, 17-21.	1.2	53
27	Fingerprick blood samples can be used to accurately measure tacrolimus levels by tandem mass spectrometry. <i>Pediatric Transplantation</i> , 2005, 9, 729-733.	0.5	47
28	Simultaneous and Rapid Analysis of Cyclosporin A and Creatinine in Finger Prick Blood Samples Using Liquid Chromatography Tandem Mass Spectrometry and Its Application in C2 Monitoring. <i>Therapeutic Drug Monitoring</i> , 2002, 24, 757-767.	1.0	46
29	Symptomatic androgen deficiency develops only when both total and free testosterone decline in obese men who may have incident biochemical secondary hypogonadism: Prospective results from the EMAS. <i>Clinical Endocrinology</i> , 2018, 89, 459-469.	1.2	44
30	Development of a rapid assay for the analysis of serum cortisol and its implementation into a routine service laboratory. <i>Annals of Clinical Biochemistry</i> , 2013, 50, 345-352.	0.8	41
31	Endogenous glucocorticoid analysis by liquid chromatography-tandem mass spectrometry in routine clinical laboratories. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2016, 162, 27-40.	1.2	40
32	Does the presence of 3-epi-25OHD3 affect the routine measurement of vitamin D using liquid chromatography tandem mass spectrometry?. <i>Clinical Chemistry and Laboratory Medicine</i> , 2012, 50, 181-3.	1.4	35
33	Case for the Wider Adoption of Mass Spectrometry-Based Adrenal Steroid Testing, and Beyond. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2014, 99, 4434-4437.	1.8	34
34	A direct assay for the routine measurement of testosterone, androstenedione, dihydrotestosterone and dehydroepiandrosterone by liquid chromatography tandem mass spectrometry. <i>Annals of Clinical Biochemistry</i> , 2016, 53, 580-587.	0.8	34
35	Candidate Reference Measurement Procedure for the Quantification of Total Serum Cortisol with LC-MS/MS. <i>Clinical Chemistry</i> , 2016, 62, 262-269.	1.5	34
36	A rapid direct assay for the routine measurement of oestradiol and oestrone by liquid chromatography tandem mass spectrometry. <i>Annals of Clinical Biochemistry</i> , 2014, 51, 360-367.	0.8	33

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37	Overlapping dose responses of spermatogenic and extragonadal testosterone actions jeopardize the principle of hormonal male contraception. <i>FASEB Journal</i> , 2014, 28, 2566-2576.	0.2	31
38	Natural history, risk factors and clinical features of primary hypogonadism in ageing men: Longitudinal Data from the European Male Ageing Study. <i>Clinical Endocrinology</i> , 2016, 85, 891-901.	1.2	31
39	Measurement of Salivary Adrenal-Specific Androgens as Biomarkers of Therapy Control in 21-Hydroxylase Deficiency. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2019, 104, 6417-6429.	1.8	31
40	The use of mass spectrometry to improve the diagnosis and the management of the HPA axis. <i>Reviews in Endocrine and Metabolic Disorders</i> , 2013, 14, 143-157.	2.6	30
41	Assessment of tacrolimus and creatinine concentration collected using Mitra microsampling devices. <i>Annals of Clinical Biochemistry</i> , 2020, 57, 389-396.	0.8	30
42	Quantification of Urinary Oxalate by Liquid Chromatography-Tandem Mass Spectrometry with Online Weak Anion Exchange Chromatography. <i>Clinical Chemistry</i> , 2006, 52, 2296-2299.	1.5	28
43	Supported liquid extraction as an alternative to solid phase extraction for LC-MS/MS aldosterone analysis?. <i>Annals of Clinical Biochemistry</i> , 2013, 50, 489-491.	0.8	27
44	A Liquid Chromatography-Tandem Mass Spectrometry Method for Salivary Testosterone with Adult Male Reference Interval Determination. <i>Clinical Chemistry</i> , 2011, 57, 774-775.	1.5	26
45	Elevated luteinizing hormone despite normal testosterone levels in older men-natural history, risk factors and clinical features. <i>Clinical Endocrinology</i> , 2018, 88, 479-490.	1.2	26
46	A simplified method for the measurement of urinary free cortisol using LC-MS/MS. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2007, 858, 27-31.	1.2	23
47	Distribution of Salivary Testosterone in Men and Women in a British General Population-Based Sample: The Third National Survey of Sexual Attitudes and Lifestyles (Natsal-3). <i>Journal of the Endocrine Society</i> , 2017, 1, 14-25.	0.1	23
48	The free androgen index is inaccurate in women when the SHBG concentration is low. <i>Clinical Endocrinology</i> , 2018, 88, 706-710.	1.2	22
49	Development of a total serum testosterone, androstenedione, 17-hydroxyprogesterone, 11 β -hydroxyandrostenedione and 11-ketotestosterone LC-MS/MS assay and its application to evaluate pre-analytical sample stability. <i>Clinical Chemistry and Laboratory Medicine</i> , 2020, 58, 741-752.	1.4	22
50	Monitoring of cyclosporine levels in transplant recipients using self-administered fingerprick sampling. <i>Clinical Transplantation</i> , 2006, 20, 221-225.	0.8	21
51	Mutations in succinate dehydrogenase B (SDHB) enhance neutrophil survival independent of HIF-1 α expression. <i>Blood</i> , 2016, 127, 2641-2644.	0.6	21
52	Development of a rapid liquid chromatography tandem mass spectrometry method for the quantitation of serum dexamethasone and its clinical verification. <i>Annals of Clinical Biochemistry</i> , 2018, 55, 665-672.	0.8	21
53	Liquid chromatography-mass spectrometry measurement of tacrolimus in finger-prick samples compared with venous whole blood samples. <i>Annals of Clinical Biochemistry</i> , 2009, 46, 144-145.	0.8	19
54	Oestradiol measurement during fulvestrant treatment for breast cancer. <i>British Journal of Cancer</i> , 2019, 120, 404-406.	2.9	18

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55	A widely applicable plasma renin activity assay by LC-MS/MS with offline solid phase extraction. <i>Annals of Clinical Biochemistry</i> , 2014, 51, 409-411.	0.8	16
56	Use of salivary cortisol and cortisone in the high- and low-dose synacthen test. <i>Clinical Endocrinology</i> , 2018, 88, 772-778.	1.2	16
57	Assessment of adherence to corticosteroids in asthma by drug monitoring or fractional exhaled nitric oxide: A literature review. <i>Clinical and Experimental Allergy</i> , 2021, 51, 49-62.	1.4	16
58	A novel method for the measurement of plasma metanephrines using online solid phase extraction-liquid chromatography tandem mass spectrometry. <i>Annals of Clinical Biochemistry</i> , 2015, 52, 361-369.	0.8	15
59	Salivary Cortisone to Estimate Cortisol Exposure and Sampling Frequency Required Based on Serum Cortisol Measurements. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2019, 104, 765-772.	1.8	15
60	Male sexual dysfunction in obesity: The role of sex hormones and small fibre neuropathy. <i>PLoS ONE</i> , 2019, 14, e0221992.	1.1	13
61	Intracrine Testosterone Activation in Human Pancreatic β -Cells Stimulates Insulin Secretion. <i>Diabetes</i> , 2020, 69, 2392-2399.	0.3	13
62	An LC-MS/MS assay for analysis of equilibrium angiotensin II in human serum. <i>Annals of Clinical Biochemistry</i> , 2021, 58, 422-433.	0.8	13
63	11-oxygenated androgens and their relation to hypothalamus-pituitary-gonadal-axis disturbances in adults with congenital adrenal hyperplasia. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2021, 212, 105921.	1.2	13
64	A liquid chromatography-tandem mass spectrometry assay for the profiling of classical and 11-oxygenated androgens in saliva. <i>Annals of Clinical Biochemistry</i> , 2019, 56, 564-573.	0.8	12
65	Rapid liquid chromatography-tandem mass spectrometry method for routine analysis of cyclosporin A over an extended concentration range. <i>Clinical Chemistry</i> , 2002, 48, 69-76.	1.5	12
66	Salivary Profiles of 11-oxygenated Androgens Follow a Diurnal Rhythm in Patients With Congenital Adrenal Hyperplasia. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021, 106, e4509-e4519.	1.8	11
67	Correlation between finger-prick and venous ciclosporin levels: association with gingival overgrowth and hypertrichosis. <i>Pediatric Nephrology</i> , 2007, 22, 2111-2118.	0.9	10
68	Removal of 3-Epi-25-Hydroxyvitamin D3 Interference by Liquid Chromatography-Tandem Mass Spectrometry Is Not Required for the Measurement of 25-Hydroxyvitamin D3 in Patients Older than 2 Years. <i>Clinical Chemistry</i> , 2012, 58, 1719-1720.	1.5	10
69	How Do We Measure Hyperandrogenemia in Patients With PCOS?. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2014, 99, 777-779.	1.8	10
70	Salivary testosterone measurement in women with and without polycystic ovary syndrome. <i>Scientific Reports</i> , 2017, 7, 3589.	1.6	10
71	Salivary and serum androgens with anti-Müllerian hormone measurement for the diagnosis of polycystic ovary syndrome. <i>Scientific Reports</i> , 2018, 8, 3795.	1.6	10
72	A combined liquid chromatography tandem mass spectrometry assay for the quantification of urinary oxalate and citrate in patients with nephrolithiasis. <i>Annals of Clinical Biochemistry</i> , 2018, 55, 461-468.	0.8	10

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73	A novel high-throughput assay for the measurement of salivary progesterone by liquid chromatography tandem mass spectrometry. <i>Annals of Clinical Biochemistry</i> , 2019, 56, 64-71.	0.8	10
74	Steroid Mass Spectrometry for the Diagnosis of PCOS. <i>Medical Sciences (Basel, Switzerland)</i> , 2019, 7, 78.	1.3	10
75	Accuracy of hydrocortisone dose administration via nasogastric tube. <i>Clinical Endocrinology</i> , 2019, 90, 66-73.	1.2	10
76	Sex hormone-binding globulin has no effect on salivary testosterone. <i>Annals of Clinical Biochemistry</i> , 2016, 53, 717-720.	0.8	9
77	A pilot study to investigate the use of serum inhaled corticosteroid concentration as a potential marker of treatment adherence in severe asthma. <i>Journal of Allergy and Clinical Immunology</i> , 2017, 139, 1037-1039.e1.	1.5	9
78	Glucocorticoids regulate AKR1D1 activity in human liver in vitro and in vivo. <i>Journal of Endocrinology</i> , 2020, 245, 207-218.	1.2	9
79	Ramifications of variability in sex hormone-binding globulin measurement by different immunoassays on the calculation of free testosterone. <i>Annals of Clinical Biochemistry</i> , 2020, 57, 88-94.	0.8	7
80	Pharmacodynamic studies of nasal tetracosactide with salivary glucocorticoids for a noninvasive Short Synacthen Test. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020, 105, 2692-2703.	1.8	7
81	Androsterone glucuronide to dehydroepiandrosterone sulphate ratio is discriminatory for obese Caucasian women with polycystic ovary syndrome. <i>BMC Endocrine Disorders</i> , 2017, 17, 26.	0.9	6
82	Translating research into clinical practice: quality improvement to halve non-adherence to methotrexate. <i>Rheumatology</i> , 2021, 60, 125-131.	0.9	6
83	Serum Inhaled Corticosteroid Detection for Monitoring Adherence in Severe Asthma. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2021, 9, 4279-4287.e6.	2.0	6
84	Neurokinin 3 Receptor Antagonists Do Not Increase FSH or Estradiol Secretion in Menopausal Women. <i>Journal of the Endocrine Society</i> , 2020, 4, bvz009.	0.1	5
85	Modifying dietary patterns in cardiothoracic transplant patients to reduce cardiovascular risk: The AMEND Trial. <i>Clinical Transplantation</i> , 2021, 35, e14186.	0.8	5
86	A simplified, rapid LC-MS/MS assay for serum and salivary creatinine. <i>Clinical Mass Spectrometry</i> , 2019, 11, 21-26.	1.9	4
87	Morning and evening salivary cortisol levels in patients with chronic widespread pain and those at high risk. <i>European Journal of Pain</i> , 2022, 26, 197-206.	1.4	4
88	Low salivary cortisol levels in patients with rheumatoid arthritis exposed to oral glucocorticoids: a cross-sectional study set within UK electronic health records. <i>RMD Open</i> , 2018, 4, e000700.	1.8	3
89	The contribution of serum cortisone and glucocorticoid metabolites to detrimental bone health in patients receiving hydrocortisone therapy. <i>BMC Endocrine Disorders</i> , 2020, 20, 154.	0.9	3
90	Differential activity and expression of human 5 β -reductase (AKR1D1) splice variants. <i>Journal of Molecular Endocrinology</i> , 2021, 66, 181-194.	1.1	3

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91	An oral lipidic native testosterone formulation that is absorbed independent of food. <i>European Journal of Endocrinology</i> , 2021, 185, 607-615.	1.9	3
92	Response to Letter to the Editor: "Prevention of Adrenal Crisis: Cortisol Response to Major Stress Compared to Stress Dose Hydrocortisone Delivery". <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021, 106, e404-e406.	1.8	1
93	A letter in response to "Liquid chromatography tandem mass spectrometry: challenges in introducing published methods into the clinical laboratory" by Khedr et al.. <i>Annals of Clinical Biochemistry</i> , 2018, 55, 405-406.	0.8	0
94	LC-MS/MS the First 20 years: A Personal View. <i>Annals of Clinical Biochemistry</i> , 2022, 59, 3-6.	0.8	0
95	SAT-372 Correlation of Serum Dexamethasone and Cortisol Concentrations Post Dexamethasone 1 Mg in the Overnight Dexamethasone Suppression Test in Patients with Unilateral and Bilateral Adrenal Incidentalomas. <i>Journal of the Endocrine Society</i> , 2019, 3, .	0.1	0
96	SAT-371 Correlation of Midnight and Post Dexamethasone Salivary Cortisone and Cortisol with Post Dexamethasone Serum Cortisol Concentrations In Patients with Unilateral and Bilateral Adrenal Incidentalomas. <i>Journal of the Endocrine Society</i> , 2019, 3, .	0.1	0
97	Response to Letter to the Editor from Chee et al: "Prevention of Adrenal Crisis: Cortisol Response to Major Stress Compared to Stress Dose Hydrocortisone Delivery". <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021, 106, e407-e408.	1.8	0