

Christopher T Sempos

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

3,657
citations

257357

24
h-index

302012

39
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docs citations

40
times ranked

4540
citing authors

#	ARTICLE	IF	CITATIONS
1	Interlaboratory comparison of 25-hydroxyvitamin D assays: Vitamin D Standardization Program (VDSP) Intercomparison Study 2 – Part 2 ligand binding assays – impact of 25-hydroxyvitamin D2 and 24R,25-dihydroxyvitamin D3 on assay performance. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 351-366.	1.9	17
2	Interlaboratory comparison of 25-hydroxyvitamin D assays: Vitamin D Standardization Program (VDSP) Intercomparison Study 2 – Part 1 liquid chromatography – tandem mass spectrometry (LC-MS/MS) assays – impact of 3-epi-25-hydroxyvitamin D3 on assay performance. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 333-349.	1.9	15
3	Assessment of serum total 25-hydroxyvitamin D assays for Vitamin D External Quality Assessment Scheme (DEQAS) materials distributed at ambient and frozen conditions. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 1015-1028.	1.9	8
4	Intra-trial Mean 25(OH)D and PTH Levels and Risk of Falling in Older Men and Women in the Boston STOP IT Trial. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2022, 107, e1932-e1937.	1.8	9
5	Adjusting Coronavirus Prevalence Estimates for Laboratory Test Kit Error. <i>American Journal of Epidemiology</i> , 2021, 190, 109-115.	1.6	88
6	Serum 25-hydroxyvitamin D requirements to prevent nutritional rickets in Nigerian children on a low-calcium diet – a multivariable reanalysis. <i>American Journal of Clinical Nutrition</i> , 2021, 114, 231-237.	2.2	27
7	The Validity of Serum Alkaline Phosphatase to Identify Nutritional Rickets in Nigerian Children on a Calcium-Deprived Diet. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021, 106, e3559-e3564.	1.8	5
8	Recommendations on the measurement and the clinical use of vitamin D metabolites and vitamin D binding protein – A position paper from the IFCC Committee on bone metabolism. <i>Clinica Chimica Acta</i> , 2021, 517, 171-197.	0.5	33
9	Assessment of serum total 25-hydroxyvitamin D assay commutability of Standard Reference Materials and College of American Pathologists Accuracy-Based Vitamin D (ABVD) Scheme and Vitamin D External Quality Assessment Scheme (DEQAS) materials: Vitamin D Standardization Program (VDSP) Commutability Study 2. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 5067-5084.	1.9	13
10	Vitamin D Standardization Program (VDSP) intralaboratory study for the assessment of 25-hydroxyvitamin D assay variability and bias. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2021, 212, 105917.	1.2	27
11	The measurement of vitamin D metabolites: part I – metabolism of vitamin D and the measurement of 25-hydroxyvitamin D. <i>Hormones</i> , 2020, 19, 81-96.	0.9	38
12	Controversies in Vitamin D: A Statement From the Third International Conference. <i>JBMR Plus</i> , 2020, 4, e10417.	1.3	118
13	The measurement of vitamin D metabolites part II – the measurement of the various vitamin D metabolites. <i>Hormones</i> , 2020, 19, 97-107.	0.9	9
14	The Association between Cardiovascular Disease Risk Factors and 25-Hydroxyvitamin D and Related Analytes among Hispanic/Latino Adults: A Pilot Study. <i>Nutrients</i> , 2019, 11, 1959.	1.7	6
15	Effect of Genetically Low 25-Hydroxyvitamin D on Mortality Risk: Mendelian Randomization Analysis in 3 Large European Cohorts. <i>Nutrients</i> , 2019, 11, 74.	1.7	30
16	Vitamin D assays and the definition of hypovitaminosis D: results from the First International Conference on Controversies in Vitamin D. <i>British Journal of Clinical Pharmacology</i> , 2018, 84, 2194-2207.	1.1	211
17	Development of an Improved Standard Reference Material for Vitamin D Metabolites in Human Serum. <i>Analytical Chemistry</i> , 2017, 89, 4907-4913.	3.2	38
18	Interlaboratory Comparison for the Determination of 24,25-Dihydroxyvitamin D3 in Human Serum Using Liquid Chromatography with Tandem Mass Spectrometry. <i>Journal of AOAC INTERNATIONAL</i> , 2017, 100, 1308-1317.	0.7	17

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19	Establishing an Accuracy Basis for the Vitamin D External Quality Assessment Scheme (DEQAS). Journal of AOAC INTERNATIONAL, 2017, 100, 1277-1287.	0.7	41
20	General Steps to Standardize the Laboratory Measurement of Serum Total 25-Hydroxyvitamin D. Journal of AOAC INTERNATIONAL, 2017, 100, 1230-1233.	0.7	45
21	Baseline Assessment of 25-Hydroxyvitamin D Assay Performance: A Vitamin D Standardization Program (VDSP) Interlaboratory Comparison Study. Journal of AOAC INTERNATIONAL, 2017, 100, 1244-1252.	0.7	45
22	Simplified 25-Hydroxyvitamin D Standardization and Optimization in Dried Blood Spots by LC-MS/MS. Journal of AOAC INTERNATIONAL, 2017, 100, 1328-1336.	0.7	24
23	Development of Standard Reference Material (SRM) 2973 Vitamin D Metabolites in Frozen Human Serum (High Level). Journal of AOAC INTERNATIONAL, 2017, 100, 1294-1303.	0.7	22
24	Vitamin D and mortality: Individual participant data meta-analysis of standardized 25-hydroxyvitamin D in 26916 individuals from a European consortium. PLoS ONE, 2017, 12, e0170791.	1.1	219
25	The Vitamin D Standardization Program (VDSP) Manual for Retrospective Laboratory Standardization of Serum 25-Hydroxyvitamin D Data. Journal of AOAC INTERNATIONAL, 2017, 100, 1234-1243.	0.7	47
26	Baseline Assessment of 25-Hydroxyvitamin D Reference Material and Proficiency Testing/External Quality Assurance Material Commutability: A Vitamin D Standardization Program Study. Journal of AOAC INTERNATIONAL, 2017, 100, 1288-1293.	0.7	22
27	Role of the National Institute of Standards and Technology (NIST) in Support of the Vitamin D Initiative of the National Institutes of Health, Office of Dietary Supplements. Journal of AOAC INTERNATIONAL, 2017, 100, 1260-1276.	0.7	24
28	Seasonal Changes in Vitamin D-Effective UVB Availability in Europe and Associations with Population Serum 25-Hydroxyvitamin D. Nutrients, 2016, 8, 533.	1.7	127
29	The vitamin D status of the US population from 1988 to 2010 using standardized serum concentrations of 25-hydroxyvitamin D shows recent modest increases. American Journal of Clinical Nutrition, 2016, 104, 454-461.	2.2	162
30	National Estimates of Serum Total 25-Hydroxyvitamin D and Metabolite Concentrations Measured by Liquid Chromatography-Tandem Mass Spectrometry in the US Population during 2007-2010. Journal of Nutrition, 2016, 146, 1051-1061.	1.3	175
31	Vitamin D deficiency in Europe: pandemic?. American Journal of Clinical Nutrition, 2016, 103, 1033-1044.	2.2	963
32	Significance of Serum 24,25-Dihydroxyvitamin D in the Assessment of Vitamin D Status: A Double-edged Sword?. Clinical Chemistry, 2015, 61, 636-645.	1.5	98
33	Standardizing serum 25-hydroxyvitamin D data from four Nordic population samples using the Vitamin D Standardization Program protocols: Shedding new light on vitamin D status in Nordic individuals. Scandinavian Journal of Clinical and Laboratory Investigation, 2015, 75, 549-561.	0.6	99
34	Standardizing 25-hydroxyvitamin D values from the Canadian Health Measures Survey. American Journal of Clinical Nutrition, 2015, 102, 1044-1050.	2.2	117
35	Standardizing Vitamin D Assays: The Way Forward. Journal of Bone and Mineral Research, 2014, 29, 1709-1714.	3.1	165
36	Evaluation of Vitamin D Standardization Program protocols for standardizing serum 25-hydroxyvitamin D data: a case study of the program's potential for national nutrition and health surveys. American Journal of Clinical Nutrition, 2013, 97, 1235-1242.	2.2	150

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37	Vitamin D status as an international issue: national surveys and the problem of standardization. Scandinavian Journal of Clinical and Laboratory Investigation, Supplement, 2012, 243, 32-40.	2.7	176
38	Three-Phase Model Harmonizes Estimates of the Maximal Suppression of Parathyroid Hormone by 25-Hydroxyvitamin D in Persons 65 Years of Age and Older ^{1&#x2013;3} . Journal of Nutrition, 2010, 140, 595-599.	1.3	65