

Abdurrahman Coskun

List of Publications by Citations

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106
papers

1,285
citations

19
h-index

31
g-index

112
ext. papers

1,596
ext. citations

3.7
avg, IF

4.4
L-index

#	Paper	IF	Citations
106	The Biological Variation Data Critical Appraisal Checklist: A Standard for Evaluating Studies on Biological Variation. <i>Clinical Chemistry</i> , 2018 , 64, 501-514	5.5	104
105	A checklist for critical appraisal of studies of biological variation. <i>Clinical Chemistry and Laboratory Medicine</i> , 2015 , 53, 879-85	5.9	89
104	Sample collections from healthy volunteers for biological variation estimates' update: a new project undertaken by the Working Group on Biological Variation established by the European Federation of Clinical Chemistry and Laboratory Medicine. <i>Clinical Chemistry and Laboratory Medicine</i> , 2017 , 55, 1500-1000	5.9	55
103	The EuBIVAS: Within- and Between-Subject Biological Variation Data for Electrolytes, Lipids, Urea, Uric Acid, Total Protein, Total Bilirubin, Direct Bilirubin, and Glucose. <i>Clinical Chemistry</i> , 2018 , 64, 1380-1393	5.5	52
102	The use of error and uncertainty methods in the medical laboratory. <i>Clinical Chemistry and Laboratory Medicine</i> , 2018 , 56, 209-219	5.9	48
101	The EuBIVAS Project: Within- and Between-Subject Biological Variation Data for Serum Creatinine Using Enzymatic and Alkaline Picrate Methods and Implications for Monitoring. <i>Clinical Chemistry</i> , 2017 , 63, 1527-1536	5.5	46
100	Relationship between pregnancy-associated plasma protein-A and lung cancer. <i>American Journal of the Medical Sciences</i> , 2009 , 337, 241-4	2.2	44
99	Biological Variation Estimates Obtained from 91 Healthy Study Participants for 9 Enzymes in Serum. <i>Clinical Chemistry</i> , 2017 , 63, 1141-1150	5.5	43
98	Clinical applications of MALDI imaging technologies in cancer and neurodegenerative diseases. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2017 , 1865, 795-816	4	35
97	Within-subject and between-subject biological variation estimates of 21 hematological parameters in 30 healthy subjects. <i>Clinical Chemistry and Laboratory Medicine</i> , 2018 , 56, 1309-1318	5.9	32
96	European Biological Variation Study (EuBIVAS): Within- and Between-Subject Biological Variation Data for 15 Frequently Measured Proteins. <i>Clinical Chemistry</i> , 2019 , 65, 1031-1041	5.5	27
95	Analysis of Changes in Parathyroid Hormone and 25 (OH) Vitamin D Levels with Respect to Age, Gender and Season: A Data Mining Study. <i>Journal of Medical Biochemistry</i> , 2017 , 36, 73-83	1.9	26
94	Personalized Reference Intervals in Laboratory Medicine: A New Model Based on Within-Subject Biological Variation. <i>Clinical Chemistry</i> , 2021 , 67, 374-384	5.5	25
93	Harmonization initiatives in the generation, reporting and application of biological variation data. <i>Clinical Chemistry and Laboratory Medicine</i> , 2018 , 56, 1629-1636	5.9	24
92	Indirect reference intervals estimated from hospitalized population for thyrotropin and free thyroxine. <i>Croatian Medical Journal</i> , 2010 , 51, 124-30	1.6	24
91	Biological variation estimates for prostate specific antigen from the European Biological Variation Study; consequences for diagnosis and monitoring of prostate cancer. <i>Clinica Chimica Acta</i> , 2018 , 486, 185-191	6.2	23
90	Comparison of serum CA 19.9, CA 125 and CEA levels with severity of chronic obstructive pulmonary disease. <i>Medical Principles and Practice</i> , 2009 , 18, 289-93	2.1	23

89	Pregnancy-associated plasma protein-A and asthma. <i>Advances in Therapy</i> , 2007 , 24, 362-7	4.1	23
88	The European Biological Variation Study (EuBIVAS): a summary report. <i>Clinical Chemistry and Laboratory Medicine</i> , 2021 ,	5.9	20
87	Systematic review and meta-analysis of within-subject and between-subject biological variation estimates of 20 haematological parameters. <i>Clinical Chemistry and Laboratory Medicine</i> , 2019 , 58, 25-32	5.9	19
86	Pregnancy-associated plasma protein A in dialysis patients. <i>Clinical Chemistry and Laboratory Medicine</i> , 2007 , 45, 63-6	5.9	19
85	Systematic review of the biological variation data for diabetes related analytes. <i>Clinica Chimica Acta</i> , 2019 , 488, 61-67	6.2	18
84	Interaction between Chlamydia pneumoniae seropositivity, inflammation and risk factors for atherosclerosis in patients with severe coronary stenosis. <i>Scandinavian Journal of Clinical and Laboratory Investigation</i> , 2006 , 66, 523-34	2	17
83	Biological variation data for lipid cardiovascular risk assessment biomarkers. A systematic review applying the biological variation data critical appraisal checklist (BIVAC). <i>Clinica Chimica Acta</i> , 2019 , 495, 467-475	6.2	16
82	Pregnancy-associated plasma protein-A: evaluation of a new biomarker in renal transplant patients. <i>Transplantation Proceedings</i> , 2007 , 39, 3072-6	1.1	16
81	High-sensitivity C-reactive protein levels in cerebrospinal fluid and serum in severe head injury: relationship to tumor necrosis factor-alpha and interleukin-6. <i>Journal of Clinical Neuroscience</i> , 2007 , 14, 1163-71	2.2	16
80	A new approach to calculating the Sigma Metric in clinical laboratories. <i>Accreditation and Quality Assurance</i> , 2015 , 20, 147-152	0.7	14
79	Providing Correct Estimates of Biological Variation-Not an Easy Task. The Example of S100- β Protein and Neuron-Specific Enolase. <i>Clinical Chemistry</i> , 2018 , 64, 1537-1539	5.5	14
78	Comparison of Intermittent Fasting Versus Caloric Restriction in Obese Subjects: A Two Year Follow-Up. <i>Journal of Nutrition, Health and Aging</i> , 2017 , 21, 681-685	5.2	14
77	Post-translational modifications of transthyretin affect the triiodonine-binding potential. <i>Journal of Cellular and Molecular Medicine</i> , 2015 , 19, 359-70	5.6	14
76	Iodine status in Turkish populations and exposure to iodide uptake inhibitors. <i>PLoS ONE</i> , 2014 , 9, e88206	5.7	13
75	The European Biological Variation Study (EuBIVAS): weekly biological variation of cardiac troponin I estimated by the use of two different high-sensitivity cardiac troponin I assays. <i>Clinical Chemistry and Laboratory Medicine</i> , 2020 , 58, 1741-1747	5.9	13
74	Evaluating ESWL-induced renal injury based on urinary TNF- α and IL-6 levels. <i>Urological Research</i> , 2012 , 40, 569-73		12
73	Sigma metric or defects per million opportunities (DPMO): the performance of clinical laboratories should be evaluated by the Sigma metrics at decimal level with DPMOs. <i>Clinical Chemistry and Laboratory Medicine</i> , 2016 , 54, e217-9	5.9	11
72	Six Sigma and laboratory consultation. <i>Clinical Chemistry and Laboratory Medicine</i> , 2007 , 45, 121-3	5.9	11

71	High serum homocysteine levels correlate with a decrease in the blood flow velocity of the ophthalmic artery in highway toll collectors. <i>Tohoku Journal of Experimental Medicine</i> , 2007 , 212, 247-52 ^{2.4}		11
70	European Biological Variation Study (EuBIVAS): within- and between-subject biological variation estimates of β -isomerized C-terminal telopeptide of type I collagen (ICTX), N-terminal propeptide of type I collagen (PINP), osteocalcin, intact fibroblast growth factor 23 and uncarboxylated-unphosphorylated matrix-Gla protein-a cooperation between the EFLM Working	5.3	10
69	Analytical Performance Specifications for Lipoprotein(a), Apolipoprotein B-100, and Apolipoprotein A-I Using the Biological Variation Model in the EuBIVAS Population. <i>Clinical Chemistry</i> , 2020 , 66, 727-736 ^{5.5}	4.70	10
68	Six Sigma as a Quality Management Tool: Evaluation of Performance in Laboratory Medicine 2010 ,		10
67	Proteomic Analysis of Kidney Preservation Solutions Prior to Renal Transplantation. <i>PLoS ONE</i> , 2016 , 11, e0168755	3.7	10
66	Sigma metrics in laboratory medicine revisited: We are on the right road with the wrong map. <i>Biochemia Medica</i> , 2018 , 28, 020503	2.5	9
65	European Biological Variation Study (EuBIVAS): within- and between-subject biological variation estimates for serum thyroid biomarkers based on weekly samplings from 91 healthy participants. <i>Clinical Chemistry and Laboratory Medicine</i> , 2021 ,	5.9	9
64	The comparison of parametric and nonparametric bootstrap methods for reference interval computation in small sample size groups. <i>Accreditation and Quality Assurance</i> , 2013 , 18, 51-60	0.7	8
63	Six Sigma and calculated laboratory tests. <i>Clinical Chemistry</i> , 2006 , 52, 770-1	5.5	8
62	Within- and between-subject biological variation data for tumor markers based on the European Biological Variation Study. <i>Clinical Chemistry and Laboratory Medicine</i> , 2021 ,	5.9	8
61	Perchlorate Exposure Through Water and Milk in Istanbul. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2016 , 97, 439-45	2.7	7
60	Inhibition of Cholesterol Biosynthesis in Hypercholesterolemia [Is It the Right Choice? / Inhibicija Biosinteze Holesterola u Hiperholesterolemiji [Da Li Je Pravi Izbor?]. <i>Journal of Medical Biochemistry</i> , 2013 , 32, 16-19	1.9	7
59	European Biological Variation Study (EuBIVAS): within- and between-subject biological variation estimates for serum biointact parathyroid hormone based on weekly samplings from 91 healthy participants. <i>Annals of Translational Medicine</i> , 2020 , 8, 855	3.2	7
58	Reference interval of pregnancy-associated plasma protein-a in healthy men and non-pregnant women. <i>Journal of Cardiology</i> , 2013 , 61, 128-31	3	6
57	Prolonged elevation of magnesium in the cerebrospinal fluid of patients with severe head injury. <i>Neurological Research</i> , 2007 , 29, 824-9	2.7	6
56	Critical review and meta-analysis of biological variation estimates for tumor markers.. <i>Clinical Chemistry and Laboratory Medicine</i> , 2022 ,	5.9	6
55	Critical appraisal and meta-analysis of biological variation estimates for kidney related analytes. <i>Clinical Chemistry and Laboratory Medicine</i> , 2020 ,	5.9	6
54	Sigma metric revisited: True known mistakes. <i>Biochemia Medica</i> , 2019 , 29, 010902	2.5	6

53	Quality will determine the future of mass spectrometry imaging in clinical laboratories: the need for standardization. <i>Expert Review of Proteomics</i> , 2019 , 16, 521-532	4.2	5
52	Biological variations of ADAMTS13 and von Willebrand factor in human adults. <i>Biochemia Medica</i> , 2014 , 24, 138-45	2.5	5
51	Modified Levey-Jennings charts for calculated laboratory tests. <i>Clinical Chemistry and Laboratory Medicine</i> , 2006 , 44, 387-90	5.9	5
50	Westgard multirule for calculated laboratory tests. <i>Clinical Chemistry and Laboratory Medicine</i> , 2006 , 44, 1183-7	5.9	5
49	Personalized reference intervals: Using estimates of within-subject or within-person biological variation requires different statistical approaches. <i>Clinica Chimica Acta</i> , 2021 , 524, 201-201	6.2	5
48	Biological variation of morning serum cortisol: Updated estimates from the European biological variation study (EuBIVAS) and meta-analysis. <i>Clinica Chimica Acta</i> , 2020 , 509, 268-272	6.2	5
47	Biological Variation of Cardiac Troponins in Health and Disease: A Systematic Review and Meta-analysis. <i>Clinical Chemistry</i> , 2021 , 67, 256-264	5.5	5
46	Statistical distributions commonly used in measurement uncertainty in laboratory medicine. <i>Biochemia Medica</i> , 2020 , 30, 010101	2.5	4
45	A comparison between turbidimetric inhibition immunoassay and capillary electrophoresis in glycated hemoglobin (HbA1c) measurement. <i>Clinical Chemistry and Laboratory Medicine</i> , 2013 , 51, e191-3	5.9	4
44	Towards standardization of external quality assessment schemes by using bias values based on biological variation. <i>Accreditation and Quality Assurance</i> , 2009 , 14, 547-552	0.7	4
43	A new internal quality control chart based on biological variation. <i>Accreditation and Quality Assurance</i> , 2008 , 13, 69-75	0.7	4
42	Does l-carnitine have any effect on cold preservation injury of non-fatty liver in the University of Wisconsin solution?. <i>Hepatology Research</i> , 2007 , 37, 656-60	5.1	4
41	Critical appraisal and meta-analysis of biological variation studies on glycosylated albumin, glucose and HbA1c. <i>Advances in Laboratory Medicine / Avances En Medicina De Laboratorio</i> , 2020 , 1,	1.3	4
40	Z transformation is the gold standard for computing the sigma metric. <i>Clinical Biochemistry</i> , 2016 , 49, 732-733	3.5	4
39	Pregnancy-associated plasma protein-A (PAPP-A) levels in patients with severe allergic asthma are reduced by omalizumab. <i>Journal of Asthma</i> , 2018 , 55, 1116-1121	1.9	4
38	The European Biological Variation Study (EuBIVAS): Biological Variation Data for Coagulation Markers Estimated by a Bayesian Model. <i>Clinical Chemistry</i> , 2021 , 67, 1259-1270	5.5	4
37	How can we evaluate differences between serial measurements on the same sample? A new approach based on within-subject biological variation. <i>Clinical Chemistry and Laboratory Medicine</i> , 2017 , 55, e44-e46	5.9	3
36	How ISO-15189 laboratory accreditation assures patient safety? / Kako ISO-15189 akreditacija laboratorija osigurava bezbednost pacijenta?. <i>Journal of Medical Biochemistry</i> , 2012 , 31, 271-280	1.9	3

35	Biological variation in pregnancy-associated plasma protein-A in healthy men and non-pregnant healthy women. <i>Clinical Chemistry and Laboratory Medicine</i> , 2012 , 50, 2239-41	5.9	3
34	Toward standardization of quality assessment in laboratory medicine by using the same matrix samples for both internal and external quality assessments. <i>Accreditation and Quality Assurance</i> , 2010 , 15, 621-627	0.7	3
33	Does pregnancy-associated plasma protein A have a role in allergic rhinitis?. <i>American Journal of Rhinology & Allergy</i> , 2008 , 22, 219-22		3
32	Is there a relationship between cord blood pregnancy-associated plasma protein-A and birth weight and length?. <i>Early Human Development</i> , 2007 , 83, 479-82	2.2	3
31	The reliability of calculated laboratory results. <i>Clinical Chemistry and Laboratory Medicine</i> , 2005 , 43, 880-3.9	3.9	3
30	Personalized reference intervals—statistical approaches and considerations. <i>Clinical Chemistry and Laboratory Medicine</i> , 2021 ,	5.9	3
29	Biological variation of serum insulin: updated estimates from the European Biological Variation Study (EuBIVAS) and meta-analysis. <i>Clinical Chemistry and Laboratory Medicine</i> , 2020 ,	5.9	3
28	Biological variation estimates of thyroid related measurands—meta-analysis of BIVAC compliant studies. <i>Clinical Chemistry and Laboratory Medicine</i> , 2021 ,	5.9	3
27	Do Turkish adults really have lower serum levels of high-density lipoprotein cholesterol?. <i>Acta Cardiologica</i> , 2007 , 62, 453-9	0.9	3
26	An Assessment of HbA1c in Diabetes Mellitus and Pre-diabetes Diagnosis: a Multi-centered Data Mining Study. <i>Applied Biochemistry and Biotechnology</i> , 2020 , 190, 44-56	3.2	3
25	Systematic review and meta-analysis of within-subject and between-subject biological variation estimates of serum Zinc, Copper and Selenium. <i>Clinical Chemistry and Laboratory Medicine</i> , 2021 ,	5.9	3
24	IGFBP-4: A promising biomarker for lung cancer. <i>Journal of Medical Biochemistry</i> , 2021 , 40, 237-244	1.9	3
23	The short story of the long-term Sigma metric: shift cannot be treated as a linear parameter. <i>Clinical Chemistry and Laboratory Medicine</i> , 2019 , 57, e211-e213	5.9	2
22	Six Sigma revisited: We need evidence to include a 1.5 SD shift in the extraanalytical phase of the total testing process. <i>Biochemia Medica</i> , 2020 , 30, 010901	2.5	2
21	Evaluation of the performance of INDEXOR— in the archive unit of a clinical laboratory: a step to Lean laboratory. <i>Clinical Chemistry and Laboratory Medicine</i> , 2017 , 55, e62-e64	5.9	2
20	A triclonal gammopathy in a relapsing multiple myeloma patient, detected by immunosubtraction method. <i>Annals of Clinical Biochemistry</i> , 2014 , 51, 606-10	2.2	2
19	The effect of different preparations of hormone therapy on tumor necrosis factor-alpha levels in women with surgical menopause. <i>Gynecological Endocrinology</i> , 2008 , 24, 79-83	2.4	2
18	Use of acridine orange leukocyte cytospin test in diagnosis of neonatal sepsis. <i>Journal of Paediatrics and Child Health</i> , 2001 , 37, 523	1.3	2

17	Utilization of biological variation data in the interpretation of laboratory test results - survey about clinicians' opinion and knowledge. <i>Biochemia Medica</i> , 2021 , 31, 010705	2.5	2
16	Measurement uncertainty for practical use.. <i>Clinica Chimica Acta</i> , 2022 , 531, 352-360	6.2	2
15	Personalized reference intervals: from theory to practice.. <i>Critical Reviews in Clinical Laboratory Sciences</i> , 2022 , 1-16	9.4	2
14	Measurement uncertainty in laboratory medicine: the bridge between medical and industrial metrology. <i>Turkish Journal of Biochemistry</i> , 2019 , 44, 121-125	0.3	1
13	Association between serum pregnancy-associated plasma protein-A and bicarbonate in hemodialysis patients. <i>Journal of Clinical Laboratory Analysis</i> , 2014 , 28, 114-7	3	1
12	Challenges in vitamin D analysis / Izazovi u analizi vitamina D. <i>Journal of Medical Biochemistry</i> , 2012 , 31, 326-332	1.9	1
11	Hepatitis C virus positive patient diagnosed after detection of atypical cryoglobulin. <i>World Journal of Clinical Cases</i> , 2016 , 4, 81-7	1.6	1
10	Proteomic Analysis of Liver Preservation Solutions Prior to Liver Transplantation. <i>Current Proteomics</i> , 2019 , 16, 119-135	0.7	1
9	Within- and between-subject biological variation data for serum zinc, copper and selenium obtained from 68 apparently healthy Turkish subjects. <i>Clinical Chemistry and Laboratory Medicine</i> , 2021 ,	5.9	1
8	A rare association: celiac disease and multiple myeloma in an asymptomatic young patient / Asemptomatik genbir hastada yak hastalve multipl myelomn nadir birlikteli <i>Turkish Journal of Biochemistry</i> , 2016 , 41,	0.3	1
7	False negative results and tolerance limits of SARS-CoV-2 laboratory tests. <i>Pathogens and Global Health</i> , 2021 , 115, 137-138	3.1	1
6	Cerebrospinal fluid and serum levels of insulin-like growth factor-1 and insulin-like growth factor binding protein-3 in patients with severe head injury. <i>Ulusal Travma Ve Acil Cerrahi Dergisi</i> , 2007 , 13, 281-7 ^{0.6}	0.6	1
5	Cofilin-1 as a potential biomarker to evaluate acute kidney injury. <i>Biyokimya Dergisi</i> , 2019 , 44, 9-15	0.7	0
4	The Effect of Modified University of Wisconsin Solution on Kidney Preservation Time 2016 , 304-304		
3	Response to the Letter to the Editor A control chart based simply on biological variation is not enough <i>Accreditation and Quality Assurance</i> , 2008 , 13, 485-486	0.7	
2	Modified University of Wisconsin Solution With Melatonin and the Its Efficacy of Kidney Preservation Time 2016 , 306-306		
1	Truncation limits of patient-based real-time quality control: a new model derived from between-subject biological variations. <i>Clinical Chemistry and Laboratory Medicine</i> , 2021 , 59, e133-e136	5.9	