

Abdurrahman Coskun

List of Publications by Year in descending order

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109
papers

1,986
citations

257101

24
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315357

38
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all docs

112
docs citations

112
times ranked

1598
citing authors

#	ARTICLE	IF	CITATIONS
1	The Biological Variation Data Critical Appraisal Checklist: A Standard for Evaluating Studies on Biological Variation. <i>Clinical Chemistry</i> , 2018, 64, 501-514.	1.5	152
2	A checklist for critical appraisal of studies of biological variation. <i>Clinical Chemistry and Laboratory Medicine</i> , 2015, 53, 879-85.	1.4	120
3	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> , 2016, 54, 1599-1608.	1.4	76
4	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.	1.5	75
5	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.	1.5	66
6	The use of error and uncertainty methods in the medical laboratory. <i>Clinical Chemistry and Laboratory Medicine</i> , 2018, 56, 209-219.	1.4	66
7	Biological Variation Estimates Obtained from 91 Healthy Study Participants for 9 Enzymes in Serum. <i>Clinical Chemistry</i> , 2017, 63, 1141-1150.	1.5	51
8	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.	1.4	51
9	Relationship Between Pregnancy-Associated Plasma Protein-A and Lung Cancer. <i>American Journal of the Medical Sciences</i> , 2009, 337, 241-244.	0.4	46
10	Clinical applications of MALDI imaging technologies in cancer and neurodegenerative diseases. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2017, 1865, 795-816.	1.1	46
11	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.	0.7	46
12	Personalized Reference Intervals in Laboratory Medicine: A New Model Based on Within-Subject Biological Variation. <i>Clinical Chemistry</i> , 2021, 67, 374-384.	1.5	45
13	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.	1.4	40
14	The European Biological Variation Study (EuBIVAS): a summary report. <i>Clinical Chemistry and Laboratory Medicine</i> , 2022, 60, 505-517.	1.4	40
15	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.	1.5	39
16	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.	0.5	37
17	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.	1.5	35
18	Harmonization initiatives in the generation, reporting and application of biological variation data. <i>Clinical Chemistry and Laboratory Medicine</i> , 2018, 56, 1629-1636.	1.4	33

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19	Systematic review of the biological variation data for diabetes related analytes. Clinica Chimica Acta, 2019, 488, 61-67.	0.5	32
20	European Biological Variation Study (EuBIVAS): within- and between-subject biological variation estimates of I ² -isomerized C-terminal telopeptide of type I collagen (I ² -CTX), N-terminal propeptide of type I collagen (PINP), osteocalcin, intact fibroblast growth factor 23 and uncarboxylated-unphosphorylated matrix-Gla proteinâ€”a cooperation between the EFLM Working Group on Biological Variation and the International Osteoporosis Foundation-International Federation of Clinical Chemistry Committee on Bone Metabol. Osteoporosis International, 2020, 31, 146.	1.3	31
21	Comparison of Serum CA 19.9, CA 125 and CEA Levels with Severity of Chronic Obstructive Pulmonary Disease. Medical Principles and Practice, 2009, 18, 289-293.	1.1	29
22	Indirect Reference Intervals Estimated from Hospitalized Population for Thyrotropin and Free Thyroxine. Croatian Medical Journal, 2010, 51, 124-130.	0.2	29
23	Pregnancy-associated plasma protein-A and asthma. Advances in Therapy, 2007, 24, 362-367.	1.3	27
24	Biological variation data for lipid cardiovascular risk assessment biomarkers. A systematic review applying the biological variation data critical appraisal checklist (BIVAC). Clinica Chimica Acta, 2019, 495, 467-475.	0.5	27
25	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. Clinical Chemistry and Laboratory Medicine, 2020, 58, 1741-1747.	1.4	25
26	Pregnancy-associated plasma protein A in dialysis patients. Clinical Chemistry and Laboratory Medicine, 2007, 45, 63-6.	1.4	22
27	A new approach to calculating the Sigma Metric in clinical laboratories. Accreditation and Quality Assurance, 2015, 20, 147-152.	0.4	21
28	Biological Variation of Cardiac Troponins in Health and Disease: A Systematic Review and Meta-analysis. Clinical Chemistry, 2021, 67, 256-264.	1.5	21
29	European Biological Variation Study (EuBIVAS): within- and between-subject biological variation estimates for serum thyroid biomarkers based on weekly samplings from 91 healthy participants. Clinical Chemistry and Laboratory Medicine, 2022, 60, 523-532.	1.4	21
30	Postâ€”translational modifications of transthyretin affect the triiodothyronineâ€”binding potential. Journal of Cellular and Molecular Medicine, 2015, 19, 359-370.	1.6	20
31	Providing Correct Estimates of Biological Variationâ€”Not an Easy Task. The Example of S100-Î² Protein and Neuron-Specific Enolase. Clinical Chemistry, 2018, 64, 1537-1539.	1.5	19
32	Within- and between-subject biological variation data for tumor markers based on the European Biological Variation Study. Clinical Chemistry and Laboratory Medicine, 2022, 60, 543-552.	1.4	19
33	Iodine Status in Turkish Populations and Exposure to Iodide Uptake Inhibitors. PLoS ONE, 2014, 9, e88206.	1.1	19
34	High-sensitivity C-reactive protein levels in cerebrospinal fluid and serum in severe head injury: Relationship to tumor necrosis factor-Î± and interleukin-6. Journal of Clinical Neuroscience, 2007, 14, 1163-1171.	0.8	18
35	Sigma metrics in laboratory medicine revisited: We are on the right road with the wrong map. Biochimica Medica, 2018, 28, 020503.	1.2	18
36	Interaction between Chlamydia pneumoniae seropositivity, inflammation and risk factors for atherosclerosis in patients with severe coronary stenosis. Scandinavian Journal of Clinical and Laboratory Investigation, 2006, 66, 523-534.	0.6	17

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37	Pregnancy-Associated Plasma Protein-A: Evaluation of a New Biomarker in Renal Transplant Patients. Transplantation Proceedings, 2007, 39, 3072-3076.	0.3	17
38	Six Sigma as a Quality Management Tool: Evaluation of Performance in Laboratory Medicine. , 0, , .		17
39	Analytical Performance Specifications for Lipoprotein(a), Apolipoprotein B-100, and Apolipoprotein A-I Using the Biological Variation Model in the EuBIVAS Population. Clinical Chemistry, 2020, 66, 727-736.	1.5	17
40	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. Clinical Chemistry and Laboratory Medicine, 2016, 54, e217-9.	1.4	16
41	Evaluating ESWL-induced renal injury based on urinary TNF- α , IL-1 β , and IL-6 levels. Urological Research, 2012, 40, 569-573.	1.5	15
42	The comparison of parametric and nonparametric bootstrap methods for reference interval computation in small sample size groups. Accreditation and Quality Assurance, 2013, 18, 51-60.	0.4	15
43	Critical appraisal and meta-analysis of biological variation estimates for kidney related analytes. Clinical Chemistry and Laboratory Medicine, 2022, 60, 469-478.	1.4	15
44	Biological variation estimates of thyroid related measurands“ meta-analysis of BIVAC compliant studies. Clinical Chemistry and Laboratory Medicine, 2022, 60, 483-493.	1.4	15
45	Proteomic Analysis of Kidney Preservation Solutions Prior to Renal Transplantation. PLoS ONE, 2016, 11, e0168755.	1.1	14
46	The European Biological Variation Study (EuBIVAS): Biological Variation Data for Coagulation Markers Estimated by a Bayesian Model. Clinical Chemistry, 2021, 67, 1259-1270.	1.5	14
47	Six Sigma and laboratory consultation. Clinical Chemistry and Laboratory Medicine, 2007, 45, 121-3.	1.4	13
48	Critical review and meta-analysis of biological variation estimates for tumor markers. Clinical Chemistry and Laboratory Medicine, 2022, 60, 494-504.	1.4	13
49	High Serum Homocysteine Levels Correlate with a Decrease in the Blood Flow Velocity of the Ophthalmic Artery in Highway Toll Collectors. Tohoku Journal of Experimental Medicine, 2007, 212, 247-252.	0.5	12
50	Sigma metric revisited: True known mistakes. Biochemia Medica, 2019, 29, 142-148.	1.2	12
51	Biological variation of morning serum cortisol: Updated estimates from the European biological variation study (EuBIVAS) and meta-analysis. Clinica Chimica Acta, 2020, 509, 268-272.	0.5	12
52	Pregnancy-associated plasma protein-A (PAPP-A) levels in patients with severe allergic asthma are reduced by omalizumab. Journal of Asthma, 2018, 55, 1116-1121.	0.9	11
53	Statistical distributions commonly used in measurement uncertainty in laboratory medicine. Biochemia Medica, 2020, 30, 5-17.	1.2	11
54	Personalized reference intervals“ statistical approaches and considerations. Clinical Chemistry and Laboratory Medicine, 2022, 60, 629-635.	1.4	11

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55	Inhibition of Cholesterol Biosynthesis in Hypercholesterolemia – Is It the Right Choice? / Inhibicija Biosinteze Holesterolu u Hiperholesterolemiji – Da Li Je Pravi Izbor?. <i>Journal of Medical Biochemistry</i> , 2013, 32, 16-19.	0.7	10
56	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.	1.4	10
57	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, 855-855.	0.7	10
58	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, 149-152.	1.2	9
59	IGFBP-4: A promising biomarker for lung cancer. <i>Journal of Medical Biochemistry</i> , 2021, 40, 237-244.	0.7	9
60	Personalized reference intervals: Using estimates of within-subject or within-person biological variation requires different statistical approaches. <i>Clinica Chimica Acta</i> , 2022, 524, 201-202.	0.5	9
61	Personalized reference intervals: from theory to practice. <i>Critical Reviews in Clinical Laboratory Sciences</i> , 2022, 59, 501-516.	2.7	9
62	Six Sigma and Calculated Laboratory Tests. <i>Clinical Chemistry</i> , 2006, 52, 770-771.	1.5	8
63	Reference interval of pregnancy-associated plasma protein-A in healthy men and non-pregnant women. <i>Journal of Cardiology</i> , 2013, 61, 128-131.	0.8	8
64	Perchlorate Exposure Through Water and Milk in Istanbul. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2016, 97, 439-445.	1.3	8
65	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> , 2022, 60, 533-542.	1.4	8
66	Measurement uncertainty for practical use. <i>Clinica Chimica Acta</i> , 2022, 531, 352-360.	0.5	8
67	Prolonged elevation of magnesium in the cerebrospinal fluid of patients with severe head injury. <i>Neurological Research</i> , 2007, 29, 824-829.	0.6	7
68	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.	1.3	7
69	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> , 2022, 60, 479-482.	1.4	7
70	Is there a relationship between cord blood pregnancy-associated plasma protein-A and birth weight and length?. <i>Early Human Development</i> , 2007, 83, 479-482.	0.8	6
71	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.	0.7	6
72	Utilization of biological variation data in the interpretation of laboratory test results – survey about clinicians’ opinion and knowledge. <i>Biochemia Medica</i> , 2021, 31, 93-102.	1.2	6

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73	Critical appraisal and meta-analysis of biological variation studies on glycosylated albumin, glucose and HbA _{1c} . <i>Advances in Laboratory Medicine / Avances En Medicina De Laboratorio</i> , 2020, 1, .	0.1	6
74	Biological variation of serum insulin: updated estimates from the European Biological Variation Study (EuBIVAS) and meta-analysis. <i>Clinical Chemistry and Laboratory Medicine</i> , 2022, 60, 518-522.	1.4	6
75	Modified Levey-Jennings charts for calculated laboratory tests. <i>Clinical Chemistry and Laboratory Medicine</i> , 2006, 44, 387-90.	1.4	5
76	Westgard multirule for calculated laboratory tests. <i>Clinical Chemistry and Laboratory Medicine</i> , 2006, 44, 1183-7.	1.4	5
77	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, 656-660.	1.8	5
78	A new internal quality control chart based on biological variation. <i>Accreditation and Quality Assurance</i> , 2008, 13, 69-75.	0.4	5
79	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.	0.4	5
80	A triclonal gammopathy in a relapsing multiple myeloma patient, detected by immunosubtraction method. <i>Annals of Clinical Biochemistry</i> , 2014, 51, 606-610.	0.8	5
81	Biological variations of ADAMTS13 and von Willebrand factor in human adults. <i>Biochemia Medica</i> , 2014, 24, 138-145.	1.2	5
82	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.	1.4	5
83	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.	1.4	5
84	Long-term within- and between-subject biological variation of 29 routine laboratory measurands in athletes. <i>Clinical Chemistry and Laboratory Medicine</i> , 2022, 60, 618-628.	1.4	5
85	The reliability of calculated laboratory results. <i>Clinical Chemistry and Laboratory Medicine</i> , 2005, 43, 880-2.	1.4	4
86	Does Pregnancy-associated Plasma Protein A have a Role in Allergic Rhinitis?. <i>American Journal of Rhinology & Allergy</i> , 2008, 22, 219-222.	2.3	4
87	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.	0.4	4
88	A comparison between turbidimetric inhibition immunoassay and capillary electrophoresis in glycated hemoglobin (HbA _{1c}) measurement. <i>Clinical Chemistry and Laboratory Medicine</i> , 2013, 51, e191-e193.	1.4	4
89	Z transformation is the gold standard for computing the sigma metric. <i>Clinical Biochemistry</i> , 2016, 49, 732-733.	0.8	4
90	Do Turkish adults really have lower serum levels of high-density lipoprotein cholesterol?. <i>Acta Cardiologica</i> , 2007, 62, 453-459.	0.3	4

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91	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, 2239-2241.	1.4	3
92	Proteomic Analysis of Liver Preservation Solutions Prior to Liver Transplantation. <i>Current Proteomics</i> , 2019, 16, 119-135.	0.1	3
93	Use of Acridine Orange Leukocyte Cytospin Test in Diagnosis of Neonatal Sepsis. <i>Journal of Paediatrics and Child Health</i> , 2001, 37, 523-523.	0.4	3
94	The effect of different preparations of hormone therapy on tumor necrosis factor- β levels in women with surgical menopause. <i>Gynecological Endocrinology</i> , 2008, 24, 79-83.	0.7	2
95	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.	1.4	2
96	Measurement uncertainty in laboratory medicine: the bridge between medical and industrial metrology. <i>Turkish Journal of Biochemistry</i> , 2019, 44, 121-125.	0.3	2
97	Cofilin-1 as a potential biomarker to evaluate acute kidney injury. <i>Biyokimya Dergisi</i> , 2019, 44, 9-15.	0.1	2
98	False negative results and tolerance limits of SARS-CoV-2 laboratory tests. <i>Pathogens and Global Health</i> , 2021, 115, 137-138.	1.0	2
99	Challenges in vitamin D analysis / Izazovi u analizi vitamina D. <i>Journal of Medical Biochemistry</i> , 2012, 31, 326-332.	0.7	1
100	Association Between Serum Pregnancy-Associated Plasma Protein-A and Bicarbonate in Hemodialysis Patients. <i>Journal of Clinical Laboratory Analysis</i> , 2014, 28, 114-117.	0.9	1
101	A rare association: celiac disease and multiple myeloma in an asymptomatic young patient / Asemptomatik gen \mathbb{S} bir hastada \mathbb{S} iyak hastal \mathbb{S} ve multipl myelom \mathbb{S} un nadir birlikteli \mathbb{S} i. <i>Turkish Journal of Biochemistry</i> , 2016, 41, .		1
102	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.	1.4	1
103	Hepatitis C virus positive patient diagnosed after detection of atypical cryoglobulin. <i>World Journal of Clinical Cases</i> , 2016, 4, 81.	0.3	1
104	Evaluaci $\mathbb{3}$ n cr \mathbb{A} tica y meta-an \mathbb{A} lisis de estudios de variaci $\mathbb{3}$ n biol $\mathbb{3}$ gica para alb $\mathbb{9}$ mina glicosilada, glucosa y HbA_{1c}. <i>Advances in Laboratory Medicine / Avances En Medicina De Laboratorio</i> , 2020, 1, .	0.1	1
105	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.	0.1	1
106	Response to the Letter to the Editor \mathbb{A} control chart based simply on biological variation is not enough \mathbb{A} . <i>Accreditation and Quality Assurance</i> , 2008, 13, 485-486.	0.4	0
107	Easy method for newborn screening of six lysosomal storage disorders using online solid-phase extraction with mass spectrometry / Alt \mathbb{A} lizozomal depo hasta \mathbb{A} n \mathbb{A} n yenido \mathbb{A} n taramas \mathbb{A} nda, online kat \mathbb{A} faz ekraksiyon kullan \mathbb{A} larak k \mathbb{A} tle spektrometresi ile \mathbb{A} l \mathbb{A} m \mathbb{A} nde kolay bir metod. <i>Turkish Journal of Biochemistry</i> , 2016, 41, .	0.3	0
108	Cigarette Smoking Increases Pregnancy-associated Plasma Protein-A in Men. <i>West Indian Medical Journal</i> , 0, , .	0.4	0

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109	Wrong Sigma metric causes chaos. <i>Laboratoriums Medizin</i> , 2022, 46, 143-145.	0.1	0