

# Federica Bortolotti

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/6973738/federica-bortolotti-publications-by-citations.pdf>

**Version:** 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

71  
papers

1,364  
citations

22  
h-index

34  
g-index

73  
ext. papers

1,498  
ext. citations

3.4  
avg, IF

4.35  
L-index

#	Paper	IF	Citations
71	Carbohydrate-deficient transferrin (CDT) as a marker of alcohol abuse: a critical review of the literature 2001-2005. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2006</b> , 841, 96-109	3.2	131
70	Hair analysis for illicit drugs by using capillary zone electrophoresis-electrospray ionization-ion trap mass spectrometry. <i>Journal of Chromatography A</i> , <b>2007</b> , 1159, 185-9	4.5	75
69	Capillary zone electrophoresis and artificial neural networks for estimation of the post-mortem interval (PMI) using electrolytes measurements in human vitreous humour. <i>International Journal of Legal Medicine</i> , <b>2002</b> , 116, 5-11	3.1	56
68	Evaluation and optimization of capillary zone electrophoresis with different dynamic capillary coatings for the determination of carbohydrate-deficient transferrin in human serum. <i>Journal of Chromatography A</i> , <b>2002</b> , 979, 43-57	4.5	56
67	Broad-spectrum toxicological analysis of hair based on capillary zone electrophoresis-time-of-flight mass spectrometry. <i>Journal of Chromatography A</i> , <b>2007</b> , 1159, 190-7	4.5	53
66	Recent advances in the applications of CE to forensic sciences (2001-2004). <i>Electrophoresis</i> , <b>2006</b> , 27, 231-43	3.6	50
65	Recent advances in the applications of CE to forensic sciences (2005-2007). <i>Electrophoresis</i> , <b>2008</b> , 29, 260-8	3.6	46
64	Recent advances in the application of CE to forensic sciences, an update over years 2009-2011. <i>Electrophoresis</i> , <b>2012</b> , 33, 117-26	3.6	41
63	Recent advances in the application of CE to forensic sciences: a update over years 2007-2009. <i>Electrophoresis</i> , <b>2010</b> , 31, 251-9	3.6	40
62	Capillary zone electrophoresis (CZE) coupled to time-of-flight mass spectrometry (TOF-MS) applied to the analysis of illicit and controlled drugs in blood. <i>Electrophoresis</i> , <b>2008</b> , 29, 4078-87	3.6	38
61	Potassium concentration differences in the vitreous humour from the two eyes revisited by microanalysis with capillary electrophoresis. <i>Journal of Chromatography A</i> , <b>2001</b> , 924, 493-8	4.5	37
60	Capillary zone electrophoresis of potassium in human vitreous humour: validation of a new method. <i>Biomedical Applications</i> , <b>1999</b> , 733, 273-9		35
59	Analysis of carbohydrate-deficient transferrin: comparative evaluation of turbidimetric immunoassay, capillary zone electrophoresis, and HPLC. <i>Clinical Chemistry</i> , <b>2005</b> , 51, 2368-71	5.5	33
58	Fully automated analysis of Carbohydrate-Deficient Transferrin (CDT) by using a multicapillary electrophoresis system. <i>Clinica Chimica Acta</i> , <b>2007</b> , 380, 4-7	6.2	32
57	Use of beta-cyclodextrin in the capillary zone electrophoretic separation of the components of clandestine heroin preparations. <i>Journal of Chromatography A</i> , <b>2001</b> , 924, 499-506	4.5	32
56	Micro computed tomography features of laryngeal fractures in a case of fatal manual strangulation. <i>Legal Medicine</i> , <b>2016</b> , 18, 85-9	1.9	30
55	Analysis of organic components of smokeless gunpowders: high-performance liquid chromatography vs. micellar electrokinetic capillary chromatography. <i>Electrophoresis</i> , <b>2004</b> , 25, 1543-7	3.6	29

54	Analytical and diagnostic aspects of carbohydrate deficient transferrin (CDT): A critical review over years 2007-2017. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2018</b> , 147, 2-12	3.5	28
53	CEC-ESI ion trap MS of multiple drugs of abuse. <i>Electrophoresis</i> , <b>2010</b> , 31, 1256-63	3.6	28
52	Determination of gamma-hydroxybutyric acid in biological fluids by using capillary electrophoresis with indirect detection. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2004</b> , 800, 239-44	3.2	28
51	Chiral separation and determination of ketamine and norketamine in hair by capillary electrophoresis. <i>Forensic Science International</i> , <b>2016</b> , 266, 304-310	2.6	23
50	Carbohydrate-deficient transferrin (CDT): a reliable indicator of the risk of driving under the influence of alcohol when determined by capillary electrophoresis. <i>Forensic Science International</i> , <b>2007</b> , 170, 175-8	2.6	23
49	Current role of capillary electrophoretic/electrokinetic techniques in forensic toxicology. <i>Analytical and Bioanalytical Chemistry</i> , <b>2007</b> , 388, 1359-64	4.4	21
48	Testing the specificity of the diatom test: search for false-positives. <i>Medicine, Science and the Law</i> , <b>2011</b> , 51 Suppl 1, S7-S10	1.1	20
47	Dermal nitrate: an old marker of firearm discharge revisited with capillary electrophoresis. <i>Electrophoresis</i> , <b>2002</b> , 23, 278-82	3.6	20
46	Study of vitreous potassium correlation with time since death in the postmortem range from 2 to 110 hours using capillary ion analysis. <i>Medicine, Science and the Law</i> , <b>2011</b> , 51 Suppl 1, S20-3	1.1	19
45	Monitoring compliance to therapy during addiction treatments by means of hair analysis for drugs and drug metabolites using capillary zone electrophoresis coupled to time-of-flight mass spectrometry. <i>Forensic Science International</i> , <b>2012</b> , 216, 101-7	2.6	17
44	Capillary electrochromatographic separation of illicit drugs employing a cyano stationary phase. <i>Journal of Chromatography A</i> , <b>2009</b> , 1216, 3652-9	4.5	16
43	Direct analysis of bromide in human serum by capillary electrophoresis. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2006</b> , 839, 2-5	3.2	16
42	BH(4) (tetrahydrobiopterin)-dependent activation, but not the expression, of inducible NOS (nitric oxide synthase)-2 in proinflammatory cytokine-stimulated, cultured normal human astrocytes is mediated by MEK-ERK kinases. <i>Journal of Cellular Biochemistry</i> , <b>2005</b> , 94, 731-43	4.7	16
41	Vitreous humor endogenous compounds analysis for post-mortem forensic investigation. <i>Forensic Science International</i> , <b>2020</b> , 310, 110235	2.6	15
40	Toxicokinetics of cocaine and metabolites: the forensic toxicological approach. <i>Current Medicinal Chemistry</i> , <b>2012</b> , 19, 5658-63	4.3	15
39	Improved capillary electrophoresis determination of carbohydrate-deficient transferrin including on-line immunosubtraction. <i>Medicine, Science and the Law</i> , <b>2011</b> , 51, 26-31	1.1	14
38	Rapid determination of lithium in serum samples by capillary electrophoresis. <i>Analytical and Bioanalytical Chemistry</i> , <b>2010</b> , 396, 2543-6	4.4	13
37	Post-mortem stability and redistribution of carbohydrate-deficient transferrin (CDT). <i>Forensic Science International</i> , <b>2008</b> , 174, 161-5	2.6	13

36	Caveats in Carbohydrate-deficient Transferrin Determination. <i>Clinical Chemistry</i> , <b>2002</b> , 48, 208-209	5.5	13
35	"Positive" urine testing for Cannabis is associated with increased risk of traffic crashes. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2018</b> , 151, 71-74	3.5	12
34	Development of an in-house mixed-mode solid-phase extraction for the determination of 16 basic drugs in urine by High Performance Liquid Chromatography-Ion Trap Mass Spectrometry. <i>Journal of Chromatography A</i> , <b>2018</b> , 1560, 10-18	4.5	12
33	Dextromethorphan/levomethorphan issues in a case of opiate overdose. <i>Drug Testing and Analysis</i> , <b>2013</b> , 5, 781-4	3.5	12
32	Objective post-mortem diagnosis of chronic alcohol abuse--a review of studies on new markers. <i>Legal Medicine</i> , <b>2008</b> , 10, 229-35	1.9	12
31	Determination of carbohydrate deficient transferrin (CDT) with capillary electrophoresis: an inter laboratory comparison. <i>Forensic Science International</i> , <b>2004</b> , 141, 153-7	2.6	12
30	Caveats against an improper use of hair testing to support the diagnosis of chronic excessive alcohol consumption, following the "Consensus" of the Society of Hair Testing 2009 [Forensic Science International 196 (2010) 2]. <i>Forensic Science International</i> , <b>2011</b> , 207, e69-70; author reply e71	2.6	11
29	Morphological analysis of the seeds of three pseudocereals by using light microscopy and ESEM-EDS. <i>European Journal of Histochemistry</i> , <b>2020</b> , 64,	2.1	10
28	Re-assessment of the cut-off levels of Carbohydrate Deficient Transferrin (CDT) for automated immunoassay and multi-capillary electrophoresis for application in a forensic context. <i>Clinica Chimica Acta</i> , <b>2013</b> , 416, 1-4	6.2	9
27	A medieval case of digitalis poisoning: the sudden death of Cangrande della Scala, lord of verona (1291-1329). <i>Journal of Archaeological Science</i> , <b>2015</b> , 54, 162-167	2.9	8
26	Proteins and their modifications in a medieval mummy. <i>Protein Science</i> , <b>2016</b> , 25, 2037-2044	6.3	7
25	First objective association between elevated carbohydrate-deficient transferrin concentrations and alcohol-related traffic accidents. <i>Alcoholism: Clinical and Experimental Research</i> , <b>2015</b> , 39, 2108-14	3.7	7
24	Carbohydrate-deficient transferrin determined in blood microsamples from healthy newborns by using capillary zone electrophoresis. <i>Scandinavian Journal of Clinical and Laboratory Investigation</i> , <b>2007</b> , 67, 191-5	2	7
23	Use of finger-prick dried blood spots (fpDBS) and capillary electrophoresis for carbohydrate deficient transferrin (CDT) screening in forensic toxicology. <i>Electrophoresis</i> , <b>2016</b> , 37, 2867-2874	3.6	7
22	A new method for the determination of ammonium in the vitreous humour based on capillary electrophoresis and its preliminary application in thanatochemistry. <i>Clinical Chemistry and Laboratory Medicine</i> , <b>2019</b> , 57, 504-509	5.9	7
21	The histology of grain caryopses for nutrient location: a comparative study of six cereals. <i>International Journal of Food Science and Technology</i> , <b>2017</b> , 52, 1238-1245	3.8	6
20	Fluorescent adduct formation with terbium: a novel strategy for transferrin glycoform identification in human body fluids and carbohydrate-deficient transferrin HPLC method validation. <i>Analytical and Bioanalytical Chemistry</i> , <b>2017</b> , 409, 1369-1378	4.4	5
19	A novel low-cost approach for the semi-quantitative analysis of carbohydrate-deficient transferrin (CDT) based on fluorescence resonance energy transfer (FRET). <i>Clinica Chimica Acta</i> , <b>2019</b> , 495, 556-561	6.2	5

18	Alcohol-associated traffic injuries in Verona territory: A nine-year survey. <i>Medicine, Science and the Law</i> , <b>2021</b> , 61, 7-13	1.1	5
17	Thanatochemistry at the crime scene: a microfluidic paper-based device for ammonium analysis in the vitreous humor. <i>Analytica Chimica Acta</i> , <b>2019</b> , 1083, 150-156	6.6	4
16	Prince Cangrande's Collagen: Study of Protein Modification on the Mummy of the Lord of Verona, Italy (1291-1329 AD). <i>Chromatographia</i> , <b>2014</b> , 77, 1503-1510	2.1	4
15	Rapid optimized separation of bromide in serum samples with capillary zone electrophoresis by using glycerol as additive to the background electrolyte. <i>Journal of Chromatography A</i> , <b>2009</b> , 1216, 3349-3352	4.5	4
14	Criticism to the article: "Toward standardization of carbohydrate-deficient transferrin (CDT) measurements: I. Analyte definition and proposal of a candidate reference method". Authors: J.O Jeppsson et al. <i>Clin Chem Lab Med</i> 2007; 45(4):558-562. <i>Clinical Chemistry and Laboratory Medicine</i> , <b>2008</b> , 46, 725-6; author reply 727-8	5.9	4
13	Capillary Electrophoresis (CE) vs. HPLC in the determination of asialo-Tf, a crucial marker for the reliable interpretation of questioned CDT increases. <i>Clinica Chimica Acta</i> , <b>2018</b> , 486, 49-53	6.2	3
12	A new sample treatment for asialo-Tf determination with capillary electrophoresis: an added value to the analysis of CDT. <i>Clinica Chimica Acta</i> , <b>2018</b> , 483, 256-262	6.2	3
11	Determination of alpha-bisabolol in human blood by micro-HPLC-ion trap MS and head space-GC-MS methods. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2004</b> , 812, 373-7	3.2	3
10	Drug screening by using the Toxtyper LC-ion trap MS: Optimization of its application on serum samples in a DUI context. <i>Clinica Chimica Acta</i> , <b>2020</b> , 510, 537-543	6.2	3
9	Simultaneous analysis of potassium and ammonium ions in the vitreous humour by capillary electrophoresis and their integrated use to infer the post mortem interval (PMI). <i>Medicine, Science and the Law</i> , <b>2021</b> , 61, 96-104	1.1	3
8	Cocaine-associated increase of atrial natriuretic peptides: an early predictor of cardiac complications in cocaine users?. <i>Heart Asia</i> , <b>2014</b> , 6, 100-7	1.9	2
7	Critical Evaluation of the Association Between Elevated Mean Corpuscular Volume and Alcohol-Related Traffic Accidents: A Retrospective Study on 6244 Car Crash Cases. <i>Alcoholism: Clinical and Experimental Research</i> , <b>2019</b> , 43, 1528-1532	3.7	1
6	CDT reference values for monitoring chronic alcohol abuse in pregnancy. <i>Clinica Chimica Acta</i> , <b>2020</b> , 507, 156-160	6.2	1
5	Chapter 15 Forensic toxicological screening with capillary electrophoresis and related techniques. <i>Handbook of Analytical Separations</i> , <b>2008</b> , 6, 513-534	0.7	1
4	Comments on "Capillary zone electrophoresis for determination of carbohydrate-deficient transferrin in human serum". <i>Electrophoresis</i> , <b>2004</b> , 25, 1723; author reply 1724-5	3.6	1
3	Ischemic stroke due to sporadic and genetic pulmonary arteriovenous malformations: Case report.. <i>Brain Circulation</i> , <b>2022</b> , 8, 57-60	2.7	1
2	Direct and specific analysis of nitrite and nitrate in biological and non-biological samples by capillary ion analysis for the rapid identification of fatal intoxications with sodium nitrite. <i>Forensic Science International</i> , <b>2021</b> , 325, 110855	2.6	0
1	CDT vs. GGT for the certification of the fitness to hold the driving license. A comparison based on the association of incremented values with the occurrence of alcohol-related road traffic accidents. <i>Drug and Alcohol Dependence</i> , <b>2021</b> , 228, 109088	4.9	0

