

# Federica Bortolotti

## List of Publications by Year in Descending Order

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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	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
70	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
69	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
68	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
67	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
66	Vitreous humor endogenous compounds analysis for post-mortem forensic investigation. <i>Forensic Science International</i> , <b>2020</b> , 310, 110235	2.6	15
65	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
64	CDT reference values for monitoring chronic alcohol abuse in pregnancy. <i>Clinica Chimica Acta</i> , <b>2020</b> , 507, 156-160	6.2	1
63	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
62	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
61	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
60	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
59	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
58	"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
57	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
56	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
55	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

54	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
53	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
52	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
51	Proteins and their modifications in a medieval mummy. <i>Protein Science</i> , <b>2016</b> , 25, 2037-2044	6.3	7
50	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
49	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
48	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
47	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
46	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
45	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
44	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
43	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
42	Dextromethorphan/levomethorphan issues in a case of opiate overdose. <i>Drug Testing and Analysis</i> , <b>2013</b> , 5, 781-4	3.5	12
41	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
40	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
39	Toxicokinetics of cocaine and metabolites: the forensic toxicological approach. <i>Current Medicinal Chemistry</i> , <b>2012</b> , 19, 5658-63	4.3	15
38	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
37	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

36	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
35	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
34	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
33	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
32	CEC-ESI ion trap MS of multiple drugs of abuse. <i>Electrophoresis</i> , <b>2010</b> , 31, 1256-63	3.6	28
31	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
30	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, 3349-52	4.5	4
29	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. Clin Chem Lab Med 2007; 45(4):558-562. <i>Clinical Chemistry and Laboratory Medicine</i> , <b>2008</b> , 46, 727-8, author reply 727-8	5.9	4
28	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
27	Recent advances in the applications of CE to forensic sciences (2005-2007). <i>Electrophoresis</i> , <b>2008</b> , 29, 260-8	3.6	46
26	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
25	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
24	Post-mortem stability and redistribution of carbohydrate-deficient transferrin (CDT). <i>Forensic Science International</i> , <b>2008</b> , 174, 161-5	2.6	13
23	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
22	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
21	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
20	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
19	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

18	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
17	Recent advances in the applications of CE to forensic sciences (2001-2004). <i>Electrophoresis</i> , <b>2006</b> , 27, 231-43	3.6	50
16	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
15	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
14	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
13	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
12	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
11	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
10	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
9	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
8	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
7	Dermal nitrate: an old marker of firearm discharge revisited with capillary electrophoresis. <i>Electrophoresis</i> , <b>2002</b> , 23, 278-82	3.6	20
6	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
5	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
4	Caveats in Carbohydrate-deficient Transferrin Determination. <i>Clinical Chemistry</i> , <b>2002</b> , 48, 208-209	5.5	13
3	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
2	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
1	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

