

# Sebastiano Barco

## List of Publications by Year in descending order

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Version: 2024-02-01

52  
papers

723  
citations

516710

16  
h-index

610901

24  
g-index

53  
all docs

53  
docs citations

53  
times ranked

1029  
citing authors

#	ARTICLE	IF	CITATIONS
1	A liquid chromatography-tandem mass spectrometry platform for the routine therapeutic drug monitoring of 14 antibiotics: Application to critically ill pediatric patients. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 186, 113273.	2.8	67
2	Volumetric adsorptive microsampling-liquid chromatography tandem mass spectrometry assay for the simultaneous quantification of four antibiotics in human blood: Method development, validation and comparison with dried blood spot. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 145, 704-710.	2.8	52
3	Urinary homovanillic and vanillylmandelic acid in the diagnosis of neuroblastoma: Report from the Italian Cooperative Group for Neuroblastoma. <i>Clinical Biochemistry</i> , 2014, 47, 848-852.	1.9	49
4	Quantification of piperacillin, tazobactam, meropenem, ceftazidime, and linezolid in human plasma by liquid chromatography/tandem mass spectrometry. <i>Journal of Chemotherapy</i> , 2015, 27, 343-347.	1.5	35
5	Development and validation of UHPLC-MS/MS methods for the quantification of colistin in plasma and dried plasma spots. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 129, 551-557.	2.8	35
6	Plasma Levels of Soluble HLA-E and HLA-F at Diagnosis May Predict Overall Survival of Neuroblastoma Patients. <i>BioMed Research International</i> , 2013, 2013, 1-9.	1.9	30
7	High-dose versus low-dose tranexamic acid for paediatric craniostomosis surgery: a double-blind randomised controlled non-inferiority trial. <i>British Journal of Anaesthesia</i> , 2020, 125, 336-345.	3.4	30
8	Prognostic value of ferritin, neuron-specific enolase, lactate dehydrogenase, and urinary and plasmatic catecholamine metabolites in children with neuroblastoma. <i>OncoTargets and Therapy</i> , 2012, 5, 417.	2.0	27
9	LC-MS/MS-Based Quantification of 9 Antiepileptic Drugs From a Dried Sample Spot Device. <i>Therapeutic Drug Monitoring</i> , 2019, 41, 331-339.	2.0	22
10	A Validated HPLC Method for the Monitoring of Thiopurine Metabolites in Whole Blood in Paediatric Patients with Inflammatory Bowel Disease. <i>International Journal of Immunopathology and Pharmacology</i> , 2012, 25, 435-444.	2.1	21
11	Ultra high performance liquid chromatography-tandem mass spectrometry vs. commercial immunoassay for determination of vancomycin plasma concentration in children. Possible implications for everyday clinical practice. <i>Journal of Chemotherapy</i> , 2016, 28, 395-402.	1.5	21
12	A UHPLC-MS/MS method for the quantification of $\delta^9$ -tetrahydrocannabinol and cannabidiol in decoctions and in plasma samples for therapeutic monitoring of medical cannabis. <i>Bioanalysis</i> , 2018, 10, 2003-2014.	1.5	20
13	DBS-LC-MS/MS assay for caffeine: validation and neonatal application. <i>Bioanalysis</i> , 2016, 8, 1893-1902.	1.5	19
14	Comparison of Antibody-Conjugated Magnetic Immunoassay and Liquid Chromatography-Tandem Mass Spectrometry for the Measurement of Cyclosporine and Tacrolimus in Whole Blood. <i>International Journal of Immunopathology and Pharmacology</i> , 2013, 26, 419-426.	2.1	18
15	CD4 <sup>+</sup> CD25 <sup>hi</sup> CD127 <sup>low</sup> Treg and CD4 <sup>+</sup> CD45RO <sup>+</sup> CD49b <sup>+</sup> LAG3 <sup>+</sup> Tr1 cells in bone marrow and peripheral blood samples from children with neuroblastoma. <i>Oncology</i> , 2016, 5, e1249553.	4.6	17
16	IL-10 and ARG-1 Concentrations in Bone Marrow and Peripheral Blood of Metastatic Neuroblastoma Patients Do Not Associate with Clinical Outcome. <i>Journal of Immunology Research</i> , 2015, 2015, 1-9.	2.2	16
17	Age- and sex-matched reference curves for serum collagen type I C-telopeptides and bone alkaline phosphatase in children and adolescents: An alternative multivariate statistical analysis approach. <i>Clinical Biochemistry</i> , 2016, 49, 802-807.	1.9	16
18	Safety and pharmacokinetics of medical cannabis preparation in a monocentric series of young patients with drug resistant epilepsy. <i>Complementary Therapies in Medicine</i> , 2020, 51, 102402.	2.7	16

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19	Interchangeability between 24-hour collection and single spot urines for vanillylmandelic and homovanillic acid levels in the diagnosis of neuroblastoma. <i>Pediatric Blood and Cancer</i> , 2013, 60, E170-E172.	1.5	14
20	A validated LC-MS/MS method for the quantification of piperacillin/tazobactam on dried blood spot. <i>Bioanalysis</i> , 2014, 6, 2795-2802.	1.5	14
21	Plasma free metanephrines for diagnosis of neuroblastoma patients. <i>Clinical Biochemistry</i> , 2019, 66, 57-62.	1.9	14
22	Altered erythropoiesis and decreased number of erythrocytes in children with neuroblastoma. <i>Oncotarget</i> , 2017, 8, 53194-53209.	1.8	13
23	A UHPLC-MS/MS Method for Therapeutic Drug Monitoring of Aciclovir and Ganciclovir in Plasma and Dried Plasma Spots. <i>Biomedicines</i> , 2021, 9, 1379.	3.2	12
24	Plasma total adiponectin levels in pediatrics: Reference intervals calculated as a continuous variable of age. <i>Clinical Biochemistry</i> , 2012, 45, 1703-1705.	1.9	11
25	Potential pitfalls in LC-MS/MS quantification of colistin for therapeutic drug monitoring of patients treated with colistimethate. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 170, 193-195.	2.8	11
26	Cannabidiol Determination on Peripheral Capillary Blood Using a Microsampling Method and Ultra-High-Performance Liquid Chromatography Tandem Mass Spectrometry with On-Line Sample Preparation. <i>Molecules</i> , 2020, 25, 3608.	3.8	10
27	UHPLC-MS/MS Analysis of Cannabidiol and Its Metabolites in Serum of Patients with Resistant Epilepsy Treated with CBD Formulations. <i>Pharmaceuticals</i> , 2021, 14, 630.	3.8	10
28	A Novel LC-MS/MS-Based Method for the Diagnosis of ADA2 Deficiency from Dried Plasma Spot. <i>Molecules</i> , 2021, 26, 5707.	3.8	10
29	Amoxicillin-associated interference in an HPLC-EC assay for urinary fractionated metanephrines: Potential pitfall in pheochromocytoma biochemical diagnosis. <i>Clinical Biochemistry</i> , 2014, 47, 119-121.	1.9	9
30	Micromethod for Quantification of Cinacalcet in Human Plasma by Liquid Chromatography-Tandem Mass Spectrometry Using a Stable Isotope-Labeled Internal Standard. <i>Therapeutic Drug Monitoring</i> , 2013, 35, 112-117.	2.0	8
31	Quantification of micafungin in human plasma by liquid chromatography-tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 1795-1798.	3.7	8
32	A Volumetric Absorptive Microsampling Technique to Monitor Cannabidiol Levels in Epilepsy Patients. <i>Frontiers in Pharmacology</i> , 2020, 11, 582286.	3.5	7
33	Need of voriconazole high dosages, with documented cerebrospinal fluid penetration, for treatment of cerebral aspergillosis in a 6-month-old leukaemic girl. <i>Journal of Chemotherapy</i> , 2017, 29, 42-44.	1.5	6
34	Development of an Accurate Mass Retention Time Database for Untargeted Metabolomic Analysis and Its Application to Plasma and Urine Pediatric Samples. <i>Molecules</i> , 2021, 26, 4256.	3.8	6
35	Erythrocyte Galactose-1-phosphate measurement by GC-MS in the monitoring of classical galactosemia. <i>Scandinavian Journal of Clinical and Laboratory Investigation</i> , 2012, 72, 29-33.	1.2	5
36	Identification and structural characterization by LC-ESI-IONTRAP and LC-ESI-CTOF of some metabolic conjugation products of homovanillic acid in urine of neuroblastoma patients. <i>Journal of Mass Spectrometry</i> , 2012, 47, 816-824.	1.6	5

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37	A rapid and robust UHPLC-DAD method for the quantification of amphotericin B in human plasma. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 138, 142-145.	2.8	5
38	A LC-MS/MS method for the quantification of caffeine, betamethasone, clonidine and furosemide in cerebrospinal fluid of preterm infants. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 179, 112996.	2.8	5
39	Analysis of Cannabinoids Concentration in Cannabis Oil Galenic Preparations: Harmonization between Three Laboratories in Northern Italy. <i>Pharmaceuticals</i> , 2021, 14, 462.	3.8	4
40	Urinary 3-Methoxytyramine Is a Biomarker for MYC Activity in Patients With Neuroblastoma. <i>JCO Precision Oncology</i> , 2022, 6, e2000447.	3.0	4
41	Ceftazidime plasma concentration in a patient with cystic fibrosis treated with ceftazidime/avibactam plus trimethoprim/sulfamethoxazole for <i>Bulkholderia cepacia</i> reactivation. <i>Journal of Chemotherapy</i> , 2019, 31, 436-438.	1.5	3
42	Intravenous isavuconazole can be administered 5 days-a-week. A possibility suggested by a real-life observation. <i>Journal of Chemotherapy</i> , 2020, 32, 217-218.	1.5	3
43	Alternate-day dosing of posaconazole tablets in children leads to efficient plasma levels. <i>European Journal of Haematology</i> , 2018, 101, 127-128.	2.2	2
44	Uncommon occurrence of high piperacillin-tazobactam and meropenem plasma concentrations and concomitant absence of neurotoxicity in pediatrics. <i>Minerva Anestesiologica</i> , 2018, 84, 1111-1112.	1.0	2
45	Piperacillin-tazobactam concentration target attainment in children with cancer. <i>Pediatric Blood and Cancer</i> , 2019, 66, e27882.	1.5	2
46	A case of interference in testosterone, DHEA-S and progesterone measurements by second generation immunoassays. <i>Clinical Chemistry and Laboratory Medicine</i> , 2021, 59, e275-e277.	2.3	2
47	A Rapid and Robust HPLC- DAD Method for the Monitoring of Thiopurine Metabolites in Whole Blood: Application to Paediatric Patients with Inflammatory Bowel Disease. <i>Current Pharmaceutical Analysis</i> , 2015, 11, 80-85.	0.6	2
48	Untargeted LC-HRMS Based-Plasma Metabolomics Reveals 3-O-Methyldopa as a New Biomarker of Poor Prognosis in High-Risk Neuroblastoma. <i>Frontiers in Oncology</i> , 0, 12, .	2.8	2
49	Maintenance of therapeutic concentrations of micafungin administered 5 days/week in a leukemic adolescent with invasive candidiasis. <i>Clinical Microbiology and Infection</i> , 2014, 20, O975-O976.	6.0	1
50	Blood metal levels after minimally invasive repair of pectus excavatum. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2021, 33, 76-81.	1.1	1
51	Ventriculitis and meningitis: by methicillin-resistant <i>S. epidermidis</i> : comparison of serum and CSF vancomycin concentrations and possible effect on MIC. <i>Journal of Chemotherapy</i> , 2022, , 1-2.	1.5	1
52	FRI0363...Do serum biomarkers of bone and OF cartilage degradation reflect structural damage in juvenile idiopathic arthritis (JIA)?. <i>Annals of the Rheumatic Diseases</i> , 2013, 71, 437.1-437.	0.9	0