Ãngel SÃ¡nchez-Illana

List of Publications by Year
in descending order

38 papers	957 citations	430442 18 h-index	476904 29 g-index
38 all docs	38 docs citations	38 times ranked	1523 citing authors

#	Article	IF	Citations
1	Oxygen and oxidative stress in the perinatal period. Redox Biology, 2017, 12, 674-681.	3.9	170
2	Intra-batch effect correction in liquid chromatography-mass spectrometry using quality control samples and support vector regression (QC-SVRC). Analyst, The, 2015, 140, 7810-7817.	1.7	96
3	Urinary Lipid Peroxidation Byproducts: Are They Relevant for Predicting Neonatal Morbidity in Preterm Infants?. Antioxidants and Redox Signaling, 2015, 23, 178-184.	2.5	53
4	Evaluation of batch effect elimination using quality control replicates in LC-MS metabolite profiling. Analytica Chimica Acta, 2018, 1019, 38-48.	2.6	42
5	On-Capillary Surface-Enhanced Raman Spectroscopy: Determination of Glutathione in Whole Blood Microsamples. Analytical Chemistry, 2018, 90, 9093-9100.	3.2	40
6	Development of a reliable method based on ultra-performance liquid chromatography coupled to tandem mass spectrometry to measure thiol-associated oxidative stress in whole blood samples. Journal of Pharmaceutical and Biomedical Analysis, 2016, 123, 104-112.	1.4	37
7	Model selection for within-batch effect correction in UPLC-MS metabolomics using quality control - Support vector regression. Analytica Chimica Acta, 2018, 1026, 62-68.	2.6	32
8	Ultra high performance liquid chromatography coupled to tandem mass spectrometry determination of lipid peroxidation biomarkers in newborn serum samples. Analytica Chimica Acta, 2015, 886, 214-220.	2.6	31
9	Topiramate plus Cooling for Hypoxic-Ischemic Encephalopathy: A Randomized, Controlled, Multicenter, Double-Blinded Trial. Neonatology, 2019, 116, 76-84.	0.9	31
10	Novel free-radical mediated lipid peroxidation biomarkers in newborn plasma. Analytica Chimica Acta, 2017, 996, 88-97.	2.6	30
11	Biomonitoring of non-persistent pesticides in urine from lactating mothers: Exposure and risk assessment. Science of the Total Environment, 2020, 699, 134385.	3.9	27
12	Plasma metabolite score correlates with Hypoxia time in a newly born piglet model for asphyxia. Redox Biology, 2017, 12, 1-7.	3.9	25
13	Changes of the plasma metabolome of newly born piglets subjected to postnatal hypoxia and resuscitation with air. Pediatric Research, 2016, 80, 284-292.	1.1	24
14	Surface enhanced Raman spectroscopic direct determination of low molecular weight biothiols in umbilical cord whole blood. Analyst, The, 2016, 141, 2165-2174.	1.7	24
15	Evolution of Energy Related Metabolites in Plasma from Newborns with Hypoxic-Ischemic Encephalopathy during Hypothermia Treatment. Scientific Reports, 2017, 7, 17039.	1.6	24
16	Biomonitoring of polycyclic aromatic hydrocarbons in the urine of lactating mothers: Urinary levels, association with lifestyle factors, and risk assessment. Environmental Pollution, 2021, 268, 115646.	3.7	22
17	Analysis of multi-source metabolomic data using joint and individual variation explained (JIVE). Analyst, The, 2015, 140, 4521-4529.	1.7	21
18	Novel biomarkers in amniotic fluid for early assessment of intraamniotic infection. Free Radical Biology and Medicine, 2015, 89, 734-740.	1.3	20

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19	Biomonitoring of polychlorinated dibenzo-p-dioxins (PCDDs), polychlorinated dibenzofurans (PCDFs) and dioxin-like polychlorinated biphenyls (dl-PCBs) in human milk: Exposure and risk assessment for lactating mothers and breastfed children from Spain. Science of the Total Environment, 2020, 744, 140710.	3.9	20
20	Chemometric determination of lipidic parameters in serum using ATR measurements of dry films of solvent extracts. Analyst, The, 2014, 139, 170-178.	1.7	18
21	Development of a reliable analytical method to determine lipid peroxidation biomarkers in newborn plasma samples. Talanta, 2016, 153, 152-157.	2.9	18
22	Assessment of phospholipid synthesis related biomarkers for perinatal asphyxia: a piglet study. Scientific Reports, 2017, 7, 40315.	1.6	16
23	Metabolic Phenotypes of Hypoxic-Ischemic Encephalopathy with Normal vs. Pathologic Magnetic Resonance Imaging Outcomes. Metabolites, 2020, 10, 109.	1.3	14
24	Do Levels of Lipid Peroxidation Biomarkers Reflect the Degree of Brain Injury in Newborns?. Antioxidants and Redox Signaling, 2021, 35, 1467-1475.	2.5	13
25	Determination of lidocaine in urine at low ppm levels using dispersive microextraction and attenuated total reflectanceâ€“Fourier transform infrared measurements of dry films. Microchemical Journal, 2015, 121, 178-183.	2.3	11
26	Does Pasteurized Donor Human Milk Efficiently Protect Preterm Infants Against Oxidative Stress?. Antioxidants and Redox Signaling, 2019, 31, 791-799.	2.5	11
27	Small molecule biomarkers for neonatal hypoxic ischemic encephalopathy. Seminars in Fetal and Neonatal Medicine, 2020, 25, 101084.	1.1	11
28	Adrenic acid non-enzymatic peroxidation products in biofluids of moderate preterm infants. Free Radical Biology and Medicine, 2019, 142, 107-112.	1.3	10
29	Biomarkers of oxidative stress derived damage to proteins and DNA in human breast milk. Analytica Chimica Acta, 2018, 1016, 78-85.	2.6	9
30	The Relationship between Oxidative Stress, Intermittent Hypoxemia, and Hospital Duration in Moderate Preterm Infants. Neonatology, 2020, 117, 577-583.	0.9	9
31	Protein Oxidation Biomarkers and Myeloperoxidase Activation in Cerebrospinal Fluid in Childhood Bacterial Meningitis. Antioxidants, 2019, 8, 441.	2.2	8
32	Oxidative stress biomarkers in the preterm infant. Advances in Clinical Chemistry, 2021, 102, 127-189.	1.8	8
33	Effect of a Marathon on Skin Temperature Response After a Cold-Stress Test and Its Relationship With Perceptive, Performance, and Oxidative-Stress Biomarkers. International Journal of Sports Physiology and Performance, 2020, 15, 1467-1475.	1.1	8
34	Mass spectrometric detection of biomarkers for early assessment of intraamniotic fluid infection. Data in Brief, 2015, 5, 1026-1030.	0.5	7
35	Data Quality Assessment in Untargeted LC-MS Metabolomics. Comprehensive Analytical Chemistry, 2018, 82, 137-164.	0.7	6
36	Impact of Kangaroo Care on Premature Infantsâ€™ Oxygenation: Systematic Review. Neonatology, 2022, 119, 537-546.	0.9	5

#	Article	IF	Citations
37	Nitric oxide and preterm resuscitation: some words of caution. Pediatric Research, 2020, 87, 438-440.	1.1	3
38	High Oxygen Does Not Increase Reperfusion Injury Assessed with Lipid Peroxidation Biomarkers after Cardiac Arrest: A Post Hoc Analysis of the COMACARE Trial. Journal of Clinical Medicine, 2021, 10, 4226.	1.0	3