

Àngel Sànchez-Illana

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

957
citations

430874

18
h-index

477307

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. <i>Redox Biology</i> , 2017, 12, 674-681.	9.0	170
2	Intra-batch effect correction in liquid chromatography-mass spectrometry using quality control samples and support vector regression (QC-SVRC). <i>Analyst, The</i> , 2015, 140, 7810-7817.	3.5	96
3	Urinary Lipid Peroxidation Byproducts: Are They Relevant for Predicting Neonatal Morbidity in Preterm Infants?. <i>Antioxidants and Redox Signaling</i> , 2015, 23, 178-184.	5.4	53
4	Evaluation of batch effect elimination using quality control replicates in LC-MS metabolite profiling. <i>Analytica Chimica Acta</i> , 2018, 1019, 38-48.	5.4	42
5	On-Capillary Surface-Enhanced Raman Spectroscopy: Determination of Glutathione in Whole Blood Microsamples. <i>Analytical Chemistry</i> , 2018, 90, 9093-9100.	6.5	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. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 123, 104-112.	2.8	37
7	Model selection for within-batch effect correction in UPLC-MS metabolomics using quality control - Support vector regression. <i>Analytica Chimica Acta</i> , 2018, 1026, 62-68.	5.4	32
8	Ultra high performance liquid chromatography coupled to tandem mass spectrometry determination of lipid peroxidation biomarkers in newborn serum samples. <i>Analytica Chimica Acta</i> , 2015, 886, 214-220.	5.4	31
9	Topiramate plus Cooling for Hypoxic-Ischemic Encephalopathy: A Randomized, Controlled, Multicenter, Double-Blinded Trial. <i>Neonatology</i> , 2019, 116, 76-84.	2.0	31
10	Novel free-radical mediated lipid peroxidation biomarkers in newborn plasma. <i>Analytica Chimica Acta</i> , 2017, 996, 88-97.	5.4	30
11	Biomonitoring of non-persistent pesticides in urine from lactating mothers: Exposure and risk assessment. <i>Science of the Total Environment</i> , 2020, 699, 134385.	8.0	27
12	Plasma metabolite score correlates with Hypoxia time in a newly born piglet model for asphyxia. <i>Redox Biology</i> , 2017, 12, 1-7.	9.0	25
13	Changes of the plasma metabolome of newly born piglets subjected to postnatal hypoxia and resuscitation with air. <i>Pediatric Research</i> , 2016, 80, 284-292.	2.3	24
14	Surface enhanced Raman spectroscopic direct determination of low molecular weight biothiols in umbilical cord whole blood. <i>Analyst, The</i> , 2016, 141, 2165-2174.	3.5	24
15	Evolution of Energy Related Metabolites in Plasma from Newborns with Hypoxic-Ischemic Encephalopathy during Hypothermia Treatment. <i>Scientific Reports</i> , 2017, 7, 17039.	3.3	24
16	Biomonitoring of polycyclic aromatic hydrocarbons in the urine of lactating mothers: Urinary levels, association with lifestyle factors, and risk assessment. <i>Environmental Pollution</i> , 2021, 268, 115646.	7.5	22
17	Analysis of multi-source metabolomic data using joint and individual variation explained (JIVE). <i>Analyst, The</i> , 2015, 140, 4521-4529.	3.5	21
18	Novel biomarkers in amniotic fluid for early assessment of intraamniotic infection. <i>Free Radical Biology and Medicine</i> , 2015, 89, 734-740.	2.9	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. <i>Science of the Total Environment</i> , 2020, 744, 140710.	8.0	20
20	Chemometric determination of lipidic parameters in serum using ATR measurements of dry films of solvent extracts. <i>Analyst</i> , The, 2014, 139, 170-178.	3.5	18
21	Development of a reliable analytical method to determine lipid peroxidation biomarkers in newborn plasma samples. <i>Talanta</i> , 2016, 153, 152-157.	5.5	18
22	Assessment of phospholipid synthesis related biomarkers for perinatal asphyxia: a piglet study. <i>Scientific Reports</i> , 2017, 7, 40315.	3.3	16
23	Metabolic Phenotypes of Hypoxic-Ischemic Encephalopathy with Normal vs. Pathologic Magnetic Resonance Imaging Outcomes. <i>Metabolites</i> , 2020, 10, 109.	2.9	14
24	Do Levels of Lipid Peroxidation Biomarkers Reflect the Degree of Brain Injury in Newborns?. <i>Antioxidants and Redox Signaling</i> , 2021, 35, 1467-1475.	5.4	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. <i>Microchemical Journal</i> , 2015, 121, 178-183.	4.5	11
26	Does Pasteurized Donor Human Milk Efficiently Protect Preterm Infants Against Oxidative Stress?. <i>Antioxidants and Redox Signaling</i> , 2019, 31, 791-799.	5.4	11
27	Small molecule biomarkers for neonatal hypoxic ischemic encephalopathy. <i>Seminars in Fetal and Neonatal Medicine</i> , 2020, 25, 101084.	2.3	11
28	Adrenic acid non-enzymatic peroxidation products in biofluids of moderate preterm infants. <i>Free Radical Biology and Medicine</i> , 2019, 142, 107-112.	2.9	10
29	Biomarkers of oxidative stress derived damage to proteins and DNA in human breast milk. <i>Analytica Chimica Acta</i> , 2018, 1016, 78-85.	5.4	9
30	The Relationship between Oxidative Stress, Intermittent Hypoxemia, and Hospital Duration in Moderate Preterm Infants. <i>Neonatology</i> , 2020, 117, 577-583.	2.0	9
31	Protein Oxidation Biomarkers and Myeloperoxidase Activation in Cerebrospinal Fluid in Childhood Bacterial Meningitis. <i>Antioxidants</i> , 2019, 8, 441.	5.1	8
32	Oxidative stress biomarkers in the preterm infant. <i>Advances in Clinical Chemistry</i> , 2021, 102, 127-189.	3.7	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. <i>International Journal of Sports Physiology and Performance</i> , 2020, 15, 1467-1475.	2.3	8
34	Mass spectrometric detection of biomarkers for early assessment of intraamniotic fluid infection. <i>Data in Brief</i> , 2015, 5, 1026-1030.	1.0	7
35	Data Quality Assessment in Untargeted LC-MS Metabolomics. <i>Comprehensive Analytical Chemistry</i> , 2018, 82, 137-164.	1.3	6
36	Impact of Kangaroo Care on Premature Infantsâ€™ Oxygenation: Systematic Review. <i>Neonatology</i> , 2022, 119, 537-546.	2.0	5

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37	Nitric oxide and preterm resuscitation: some words of caution. <i>Pediatric Research</i> , 2020, 87, 438-440.	2.3	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. <i>Journal of Clinical Medicine</i> , 2021, 10, 4226.	2.4	3