

AgustÃ-n Lahoz

List of Publications by Year in descending order

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Version: 2024-02-01

84
papers

3,697
citations

126907

33
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138484

58
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86
all docs

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docs citations

86
times ranked

5799
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Prediagnostic alterations in circulating bile acid profiles in the development of hepatocellular carcinoma. <i>International Journal of Cancer</i> , 2022, 150, 1255-1268. | 5.1 | 18 |
| 2 | Calorie restriction improves metabolic state independently of gut microbiome composition: a randomized dietary intervention trial. <i>Genome Medicine</i> , 2022, 14, 30. | 8.2 | 21 |
| 3 | Methods for analysis of specific DNA methylation status. <i>Methods</i> , 2021, 187, 3-12. | 3.8 | 36 |
| 4 | Reviewing the metabolome coverage provided by LC-MS: Focus on sample preparation and chromatography-A tutorial. <i>Analytica Chimica Acta</i> , 2021, 1147, 38-55. | 5.4 | 40 |
| 5 | Tumor Microenvironment-Derived Metabolites: A Guide to Find New Metabolic Therapeutic Targets and Biomarkers. <i>Cancers</i> , 2021, 13, 3230. | 3.7 | 17 |
| 6 | c-MYC Triggers Lipid Remodelling During Early Somatic Cell Reprogramming to Pluripotency. <i>Stem Cell Reviews and Reports</i> , 2021, 17, 2245-2261. | 3.8 | 6 |
| 7 | The Potential Role of Efficacy and Safety Evaluation of N-Acetylcysteine Administration During Liver Procurement. The NAC-400 Single Center Randomized Controlled Trial. <i>Transplantation</i> , 2021, 105, 2245-2254. | 1.0 | 4 |
| 8 | Mild Muscle Mitochondrial Fusion Distress Extends Drosophila Lifespan through an Early and Systemic Metabolome Reorganization. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12133. | 4.1 | 4 |
| 9 | Prediagnostic Plasma Bile Acid Levels and Colon Cancer Risk: A Prospective Study. <i>Journal of the National Cancer Institute</i> , 2020, 112, 516-524. | 6.3 | 69 |
| 10 | Endothelin-1-Mediated Drug Resistance in EGFR-Mutant Non-Small Cell Lung Carcinoma. <i>Cancer Research</i> , 2020, 80, 4224-4232. | 0.9 | 12 |
| 11 | A small molecule G6PD inhibitor reveals immune dependence on pentose phosphate pathway. <i>Nature Chemical Biology</i> , 2020, 16, 731-739. | 8.0 | 101 |
| 12 | CXCR7 Reactivates ERK Signaling to Promote Resistance to EGFR Kinase Inhibitors in NSCLC. <i>Cancer Research</i> , 2019, 79, 4439-4452. | 0.9 | 44 |
| 13 | Identification of a novel synthetic lethal vulnerability in non-small cell lung cancer by co-targeting TMPRSS4 and DDR1. <i>Scientific Reports</i> , 2019, 9, 15400. | 3.3 | 13 |
| 14 | Glutamine/glutamate metabolism rewiring in reprogrammed human hepatocyte-like cells. <i>Scientific Reports</i> , 2019, 9, 17978. | 3.3 | 8 |
| 15 | Sparse N-way partial least squares by L1-penalization. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2019, 185, 85-91. | 3.5 | 7 |
| 16 | LipidMS: An R Package for Lipid Annotation in Untargeted Liquid Chromatography-Data Independent Acquisition-Mass Spectrometry Lipidomics. <i>Analytical Chemistry</i> , 2019, 91, 836-845. | 6.5 | 33 |
| 17 | Early radiological response as predictor of overall survival in non-small cell lung cancer (NSCLC) patients with epidermal growth factor receptor mutations. <i>Journal of Thoracic Disease</i> , 2018, 10, 1386-1393. | 1.4 | 4 |
| 18 | Sparse N-way partial least squares with R package sNPLS. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2018, 179, 54-63. | 3.5 | 9 |

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|----|---|-----|-----------|
| 19 | Abstract LB-099: Metabolic vulnerabilities of mesenchymal-like EGFR-mutant NSCLC cells with acquired resistance to tyrosine kinase inhibitors. , 2018, , . | | 0 |
| 20 | Xenobiotic metabolism in differentiated human bronchial epithelial cells. Archives of Toxicology, 2017, 91, 2093-2105. | 4.2 | 31 |
| 21 | A lipidomic cell-based assay for studying drug-induced phospholipidosis and steatosis. Electrophoresis, 2017, 38, 2331-2340. | 2.4 | 18 |
| 22 | RpeakChrom: Novel R package for the automated characterization and optimization of column efficiency in high-performance liquid chromatography analysis. Electrophoresis, 2017, 38, 2985-2995. | 2.4 | 3 |
| 23 | Liver Transplantation Biomarkers in the Metabolomics Era. Biomarkers in Disease, 2017, , 99-128. | 0.1 | 2 |
| 24 | Reply. Liver Transplantation, 2016, 22, 861-861. | 2.4 | 0 |
| 25 | A metabolomics cell-based approach for anticipating and investigating drug-induced liver injury. Scientific Reports, 2016, 6, 27239. | 3.3 | 67 |
| 26 | Extending metabolome coverage for untargeted metabolite profiling of adherent cultured hepatic cells. Analytical and Bioanalytical Chemistry, 2016, 408, 1217-1230. | 3.7 | 32 |
| 27 | cGMP-Phosphodiesterase Inhibition Prevents Hypoxia-Induced Cell Death Activation in Porcine Retinal Explants. PLoS ONE, 2016, 11, e0166717. | 2.5 | 16 |
| 28 | Liver Transplantation Biomarkers in the Metabolomics Era. Biomarkers in Disease, 2016, , 1-29. | 0.1 | 0 |
| 29 | LC-MS untargeted metabolomic analysis of drug-induced hepatotoxicity in HepG2 cells. Electrophoresis, 2015, 36, 2294-2302. | 2.4 | 32 |
| 30 | TRAIL-producing NK cells contribute to liver injury and related fibrogenesis in the context of GNMT deficiency. Laboratory Investigation, 2015, 95, 223-236. | 3.7 | 29 |
| 31 | A score model for the continuous grading of early allograft dysfunction severity. Liver Transplantation, 2015, 21, 38-46. | 2.4 | 139 |
| 32 | A simple transcriptomic signature able to predict drug-induced hepatic steatosis. Archives of Toxicology, 2014, 88, 967-982. | 4.2 | 39 |
| 33 | In vitro/in vivo screening of oxidative homeostasis and damage to DNA, protein, and lipids using UPLC/MS-MS. Analytical and Bioanalytical Chemistry, 2014, 406, 5465-5476. | 3.7 | 20 |
| 34 | Ultra-Performance Liquid Chromatography-Mass Spectrometry Targeted Profiling of Bile Acids: Application to Serum, Liver Tissue, and Cultured Cells of Different Species. Methods in Molecular Biology, 2014, 1198, 233-247. | 0.9 | 8 |
| 35 | Interindividual variation in response to xenobiotic exposure established in precision-cut human liver slices. Toxicology, 2014, 323, 61-69. | 4.2 | 19 |
| 36 | Metabolomics discloses donor liver biomarkers associated with early allograft dysfunction. Journal of Hepatology, 2014, 61, 564-574. | 3.7 | 63 |

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|----|--|-----|-----------|
| 37 | An in vitro tool to assess cytochrome P450 drug biotransformation-dependent cytotoxicity in engineered HepG2 cells generated by using adenoviral vectors. <i>Toxicology in Vitro</i> , 2013, 27, 1410-1415. | 2.4 | 16 |
| 38 | Interindividual variation in response to xenobiotic exposure established in precision-cut human liver slices. <i>Toxicology Letters</i> , 2013, 221, S152. | 0.8 | 3 |
| 39 | Mammalian cell metabolomics: Experimental design and sample preparation. <i>Electrophoresis</i> , 2013, 34, 2762-2775. | 2.4 | 163 |
| 40 | A Combination of Transcriptomics and Metabolomics Uncovers Enhanced Bile Acid Biosynthesis in HepG2 Cells Expressing CCAAT/Enhancer-Binding Protein $\hat{1}^2$ (C/EBP $\hat{1}^2$), Hepatocyte Nuclear Factor $4\hat{1}\pm$ (HNF4 $\hat{1}\pm$), and Constitutive Androstane Receptor (CAR). <i>Journal of Proteome Research</i> , 2013, 12, 2732-2741. | 3.7 | 5 |
| 41 | Metabolomic Changes in the Rat Retina After Optic Nerve Crush. , 2013, 54, 4249. | | 37 |
| 42 | Metabolomic Analysis of the Effect of Postnatal Hypoxia on the Retina in a Newly Born Piglet Model. <i>PLoS ONE</i> , 2013, 8, e66540. | 2.5 | 19 |
| 43 | Targeted profiling of circulating and hepatic bile acids in human, mouse, and rat using a UPLC-MRM-MS-validated method. <i>Journal of Lipid Research</i> , 2012, 53, 2231-2241. | 4.2 | 220 |
| 44 | Development of a Multiparametric Cell-based Protocol to Screen and Classify the Hepatotoxicity Potential of Drugs. <i>Toxicological Sciences</i> , 2012, 127, 187-198. | 3.1 | 105 |
| 45 | K-Ras and B-Raf oncogenes inhibit colon epithelial polarity establishment through up-regulation of c-myc. <i>Journal of Cell Biology</i> , 2012, 198, 185-194. | 5.2 | 51 |
| 46 | Evaluation of Cytochrome P450 Activities in Human Hepatocytes In Vitro. <i>Methods in Molecular Biology</i> , 2012, 806, 87-97. | 0.9 | 9 |
| 47 | Chemometric approaches to improve PLS-DA model outcome for predicting human non-alcoholic fatty liver disease using UPLC-MS as a metabolic profiling tool. <i>Metabolomics</i> , 2012, 8, 86-98. | 3.0 | 54 |
| 48 | A Comprehensive Untargeted Metabonomic Analysis of Human Steatotic Liver Tissue by RP and HILIC Chromatography Coupled to Mass Spectrometry Reveals Important Metabolic Alterations. <i>Journal of Proteome Research</i> , 2011, 10, 4825-4834. | 3.7 | 114 |
| 49 | Novel antihypertensive hexa- and heptapeptides with ACE-inhibiting properties: From the in vitro ACE assay to the spontaneously hypertensive rat. <i>Peptides</i> , 2011, 32, 1431-1438. | 2.4 | 11 |
| 50 | Human Embryonic Stem Cell Derived Hepatocyte-Like Cells as a Tool for In Vitro Hazard Assessment of Chemical Carcinogenicity. <i>Toxicological Sciences</i> , 2011, 124, 278-290. | 3.1 | 66 |
| 51 | Functional Characterization of Hepatocytes for Cell Transplantation: Customized Cell Preparation for Each Receptor. <i>Cell Transplantation</i> , 2010, 19, 21-28. | 2.5 | 35 |
| 52 | Validated assay for studying activity profiles of human liver UGTs after drug exposure: inhibition and induction studies. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 396, 2251-2263. | 3.7 | 57 |
| 53 | CCAAT/Enhancer-binding Protein $\hat{1}\pm$ (C/EBP $\hat{1}\pm$) and Hepatocyte Nuclear Factor $4\hat{1}\pm$ (HNF4 $\hat{1}\pm$) Synergistically Cooperate with Constitutive Androstane Receptor to Transactivate the Human Cytochrome P450 2B6 (CYP2B6) Gene. <i>Journal of Biological Chemistry</i> , 2010, 285, 28457-28471. | 3.4 | 28 |
| 54 | Stable Expression, Activity, and Inducibility of Cytochromes P450 in Differentiated HepaRG Cells. <i>Drug Metabolism and Disposition</i> , 2010, 38, 516-525. | 3.3 | 222 |

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| 55 | In Vitro Evaluation of Potential Hepatotoxicity Induced by Drugs. <i>Current Pharmaceutical Design</i> , 2010, 16, 1963-1977. | 1.9 | 98 |
| 56 | Exploring Mass Spectrometry Suitability to Examine Human Liver Graft Metabonomic Profiles. <i>Transplantation Proceedings</i> , 2010, 42, 2953-2958. | 0.6 | 16 |
| 57 | Metabolite Formation Kinetics and Intrinsic Clearance of Phenacetin, Tolbutamide, Alprazolam, and Midazolam in Adenoviral Cytochrome P450-Transfected HepG2 Cells and Comparison with Hepatocytes and In Vivo. <i>Drug Metabolism and Disposition</i> , 2010, 38, 1449-1455. | 3.3 | 27 |
| 58 | Assessing the Metabolic Competence of Sandwich-Cultured Mouse Primary Hepatocytes. <i>Drug Metabolism and Disposition</i> , 2009, 37, 1305-1311. | 3.3 | 62 |
| 59 | Sequential Hepatogenic Transdifferentiation of Adipose Tissue-Derived Stem Cells: Relevance of Different Extracellular Signaling Molecules, Transcription Factors Involved, and Expression of New Key Marker Genes. <i>Cell Transplantation</i> , 2009, 18, 1319-1340. | 2.5 | 41 |
| 60 | A new <i>in vitro</i> approach for the simultaneous determination of phase I and phase II enzymatic activities of human hepatocyte preparations. <i>Rapid Communications in Mass Spectrometry</i> , 2008, 22, 240-244. | 1.5 | 24 |
| 61 | Modulation of P450 enzymes by Cuban natural products rich in polyphenolic compounds in rat hepatocytes. <i>Chemico-Biological Interactions</i> , 2008, 172, 1-10. | 4.0 | 26 |
| 62 | Strategies to In Vitro Assessment of Major Human CYP Enzyme Activities by Using Liquid Chromatography Tandem Mass Spectrometry. <i>Current Drug Metabolism</i> , 2008, 9, 12-19. | 1.2 | 39 |
| 63 | Cell Lines: A Tool for In Vitro Drug Metabolism Studies. <i>Current Drug Metabolism</i> , 2008, 9, 1-11. | 1.2 | 259 |
| 64 | Interactions of Polyphenols with the P450 System: Possible Implications on Human Therapeutics. <i>Mini-Reviews in Medicinal Chemistry</i> , 2008, 8, 97-106. | 2.4 | 49 |
| 65 | Identification of Apoptotic Drugs: Multiparametric Evaluation in Cultured Hepatocytes. <i>Current Medicinal Chemistry</i> , 2008, 15, 2071-2085. | 2.4 | 19 |
| 66 | Functional Assessment of the Quality of Human Hepatocyte Preparations for Cell Transplantation. <i>Cell Transplantation</i> , 2008, 17, 1211-1219. | 2.5 | 54 |
| 67 | Assessment of Cytochrome P450 Induction in Human Hepatocytes Using the Cocktail Strategy Plus Liquid Chromatography Tandem Mass Spectrometry. <i>Drug Metabolism Letters</i> , 2008, 2, 205-209. | 0.8 | 24 |
| 68 | Evaluation of Drug-Metabolizing and Functional Competence of Human Hepatocytes Incubated under Hypothermia in Different Media for Clinical Infusion. <i>Cell Transplantation</i> , 2008, 17, 887-897. | 2.5 | 31 |
| 69 | Branched-chain Amino Acids and Arginine Supplementation Attenuates Skeletal Muscle Proteolysis Induced by Moderate Exercise in Young Individuals. <i>International Journal of Sports Medicine</i> , 2007, 28, 531-538. | 1.7 | 39 |
| 70 | Determination of major human cytochrome P450s activities in 96-well plates using liquid chromatography tandem mass spectrometry. <i>Toxicology in Vitro</i> , 2007, 21, 1247-1252. | 2.4 | 37 |
| 71 | Unprecedented Blue Intrinsic Photoluminescence from Hyperbranched and Linear Polyethylenimines: Polymer Architectures and pH-Effects. <i>Macromolecular Rapid Communications</i> , 2007, 28, 1404-1409. | 3.9 | 172 |
| 72 | Cryopreservation of rat, dog and human hepatocytes: influence of preculture and cryoprotectants on recovery, cytochrome P450 activities and induction upon thawing. <i>Xenobiotica</i> , 2006, 36, 457-472. | 1.1 | 49 |

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|----|--|------|-----------|
| 73 | Potential Impact of Steatosis on Cytochrome P450 Enzymes of Human Hepatocytes Isolated from Fatty Liver Grafts. <i>Drug Metabolism and Disposition</i> , 2006, 34, 1556-1562. | 3.3 | 125 |
| 74 | <i>Polypodium leucotomos</i> extract: Antioxidant activity and disposition. <i>Toxicology in Vitro</i> , 2006, 20, 464-471. | 2.4 | 73 |
| 75 | In Vitro ADME Medium/High-Throughput Screening in Drug Preclinical Development. <i>Mini-Reviews in Medicinal Chemistry</i> , 2006, 6, 1053-1062. | 2.4 | 32 |
| 76 | Stereodifferentiation in the Decay of Triplets and Biradicals Involved in Intramolecular Hydrogen Transfer from Phenols or Indoles to α,β -Aromatic Ketones. <i>Journal of Organic Chemistry</i> , 2004, 69, 374-381. | 3.2 | 28 |
| 77 | Geometrical Effects on the Intramolecular Quenching of α,β -Aromatic Ketones by Phenols and Indoles. <i>Journal of Organic Chemistry</i> , 2004, 69, 8618-8625. | 3.2 | 22 |
| 78 | Photoreaction between 2-Benzoylthiophene and Phenol or Indole. <i>Journal of Organic Chemistry</i> , 2003, 68, 5104-5113. | 3.2 | 46 |
| 79 | Antibodies Directed to Drug Epitopes to Investigate the Structure of Drug-Protein Photoadducts. Recognition of a Common Photobound Substructure in Tiaprofenic Acid/Ketoprofen Cross-Photoreactivity. <i>Chemical Research in Toxicology</i> , 2001, 14, 1486-1491. | 3.3 | 21 |
| 80 | Structure and Photochemical Behavior of the Cyclodextrin Inclusion Complexes of the Benzoylthiophene-Derived Drugs Tiaprofenic Acid (=5-Benzoyl- \pm -methylthiophene-2-acetic Acid) and Suprofen (=1- \pm -Methyl-4-(2-thienylcarbonyl)benzeneacetic Acid). <i>Helvetica Chimica Acta</i> , 2001, 84, 2452. | 1.6 | 14 |
| 81 | Regio- and stereo-selectivity in the intramolecular quenching of the excited benzoylthiophene chromophore by tryptophan. <i>Chemical Communications</i> , 2000, , 2257-2258. | 4.1 | 22 |
| 82 | Isolation of Cross-Coupling Products in Model Studies on the Photochemical Modification of Proteins by Tiaprofenic Acid. <i>European Journal of Organic Chemistry</i> , 1999, 1999, 497-502. | 2.4 | 9 |
| 83 | Enantioselective Discrimination in the Intramolecular Quenching of an Excited Aromatic Ketone by a Ground-State Phenol. <i>Journal of the American Chemical Society</i> , 1999, 121, 11569-11570. | 13.7 | 38 |
| 84 | Photobinding of Tiaprofenic Acid and Suprofen to Proteins and Cells: A Combined Study Using Radiolabeling, Antibodies and Laser Flash Photolysis of Model Bichromophores. <i>Photochemistry and Photobiology</i> , 1998, 68, 660-665. | 2.5 | 21 |