

Marta González-Álvarez

List of Publications by Year in descending order

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70
papers

1,835
citations

236612

25
h-index

301761

39
g-index

72
all docs

72
docs citations

72
times ranked

2709
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Usefulness of Caco-2/HT29-MTX and Caco-2/HT29-MTX/Raji B Coculture Models To Predict Intestinal and Colonic Permeability Compared to Caco-2 Monoculture. <i>Molecular Pharmaceutics</i> , 2017, 14, 1264-1270. | 2.3 | 123 |
| 2 | DNA cleavage studies of mononuclear and dinuclear copper(II) complexes with benzothiazolesulfonamide ligands. <i>Journal of Biological Inorganic Chemistry</i> , 2003, 8, 644-652. | 1.1 | 88 |
| 3 | Cyclometalated Iminophosphorane Gold(III) and Platinum(II) Complexes. A Highly Permeable Cationic Platinum(II) Compound with Promising Anticancer Properties. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 5825-5841. | 2.9 | 88 |
| 4 | DNA interaction of new copper(II) complexes with sulfonamides as ligands. <i>Journal of Inorganic Biochemistry</i> , 2007, 101, 444-451. | 1.5 | 70 |
| 5 | A Dinuclear Copper(II) Complex with Adeninate Bridge Ligands and Prominent DNA Cleavage Activity. Structural and Spectroscopic Characterization and Magnetic Properties. <i>Inorganic Chemistry</i> , 2007, 46, 7178-7188. | 1.9 | 65 |
| 6 | In-situ intestinal rat perfusions for human Fabs prediction and BCS permeability class determination: Investigation of the single-pass vs. the Doluisio experimental approaches. <i>International Journal of Pharmaceutics</i> , 2015, 480, 1-7. | 2.6 | 63 |
| 7 | Giardiasis: Characteristics, Pathogenesis and New Insights About Treatment. <i>Current Topics in Medicinal Chemistry</i> , 2018, 18, 1287-1303. | 1.0 | 58 |
| 8 | Oxidative nuclease activity of ferromagnetically coupled 1/4-hydroxo-1/4-propionato copper(II) complexes [Cu3(L)2(1/4-OH)2(1/4-propionato)2] (L=N-(pyrid-2-ylmethyl)R-sulfonamidato, R=benzene, toluene,) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5</i> | 1.5 | 57 |
| 9 | In Situ Perfusion Model in Rat Colon for Drug Absorption Studies: Comparison with Small Intestine and Caco-2 Cell Model. <i>Journal of Pharmaceutical Sciences</i> , 2015, 104, 3136-3145. | 1.6 | 57 |
| 10 | Oxidative DNA damage of mixed copper(II) complexes with sulfonamides and 1,10-phenanthroline. <i>Journal of Inorganic Biochemistry</i> , 2003, 96, 367-374. | 1.5 | 54 |
| 11 | Comparison of Protective Effects against Reactive Oxygen Species of Mononuclear and Dinuclear Cu(II) Complexes with N-Substituted Benzothiazolesulfonamides. <i>Inorganic Chemistry</i> , 2005, 44, 9424-9433. | 1.9 | 51 |
| 12 | Segmental-dependent permeability throughout the small intestine following oral drug administration: Single-pass vs. Doluisio approach to in-situ rat perfusion. <i>International Journal of Pharmaceutics</i> , 2016, 515, 201-208. | 2.6 | 46 |
| 13 | Covalently crosslinked organophosphorous derivatives-chitosan hydrogel as a drug delivery system for oral administration of camptothecin. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019, 136, 174-183. | 2.0 | 45 |
| 14 | New Insights of Oral Colonic Drug Delivery Systems for Inflammatory Bowel Disease Therapy. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6502. | 1.8 | 43 |
| 15 | Ionic Hydrogel Based on Chitosan Cross-Linked with 6-Phosphogluconic Trisodium Salt as a Drug Delivery System. <i>Biomacromolecules</i> , 2018, 19, 1294-1304. | 2.6 | 41 |
| 16 | Mixed-ligand copper(ii) sulfonamide complexes: effect of the sulfonamide derivative on DNA binding, DNA cleavage, genotoxicity and anticancer activity. <i>Dalton Transactions</i> , 2013, 42, 10244. | 1.6 | 39 |
| 17 | Smart gated magnetic silica mesoporous particles for targeted colon drug delivery: New approaches for inflammatory bowel diseases treatment. <i>Journal of Controlled Release</i> , 2018, 281, 58-69. | 4.8 | 39 |
| 18 | In vivo and in vitro anti-leishmanial activities of 4-nitro-N-pyrimidin- and N-pyrazin-2-ylbenzenesulfonamides, and N2-(4-nitrophenyl)-N1-propylglycinamide. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 7449-7456. | 1.4 | 38 |

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|----|---|-----|-----------|
| 19 | Variability of permeability estimation from different protocols of subculture and transport experiments in cell monolayers. <i>Journal of Pharmacological and Toxicological Methods</i> , 2015, 71, 21-32. | 0.3 | 31 |
| 20 | Influence of polyunsaturated fatty acids on Cortisol transport through MDCK and MDCK-MDR1 cells as blood-brain barrier in vitro model. <i>European Journal of Pharmaceutical Sciences</i> , 2011, 42, 290-299. | 1.9 | 29 |
| 21 | Investigating drug absorption from the colon: Single-pass vs. Doluisio approaches to in-situ rat large-intestinal perfusion. <i>International Journal of Pharmaceutics</i> , 2017, 527, 135-141. | 2.6 | 28 |
| 22 | Strong protective action of Copper(II) N-substituted sulfonamide complexes against reactive oxygen species. <i>Journal of Inorganic Biochemistry</i> , 2004, 98, 189-198. | 1.5 | 27 |
| 23 | Classification of WHO Essential Oral Medicines for Children Applying a Provisional Pediatric Biopharmaceutics Classification System. <i>Pharmaceutics</i> , 2019, 11, 567. | 2.0 | 27 |
| 24 | Investigating the Discriminatory Power of BCS-Biowaiver <i>in Vitro</i> Methodology to Detect Bioavailability Differences between Immediate Release Products Containing a Class I Drug. <i>Molecular Pharmaceutics</i> , 2015, 12, 3167-3174. | 2.3 | 26 |
| 25 | In Vitro Dissolution as a Tool for Formulation Selection: Telmisartan Two-Step IVVC. <i>Molecular Pharmaceutics</i> , 2018, 15, 2307-2315. | 2.3 | 26 |
| 26 | Nuclease activity and ultrastructural effects of new sulfonamides with anti-leishmanial and trypanocidal activities. <i>Parasitology International</i> , 2012, 61, 604-613. | 0.6 | 25 |
| 27 | PLGA nanoparticles are effective to control the colonic release and absorption on ibuprofen. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 115, 119-125. | 1.9 | 25 |
| 28 | Validation of phenol red versus gravimetric method for water reabsorption correction and study of gender differences in Doluisio's absorption technique. <i>European Journal of Pharmaceutical Sciences</i> , 2014, 62, 105-110. | 1.9 | 23 |
| 29 | Closed-Loop Doluisio (Colon, Small Intestine) and Single-Pass Intestinal Perfusion (Colon, Jejunum) in Rat's Biophysical Model and Predictions Based on Caco-2. <i>Pharmaceutical Research</i> , 2018, 35, 2. | 1.7 | 23 |
| 30 | Hydrogels: an interesting strategy for smart drug delivery. <i>Therapeutic Delivery</i> , 2013, 4, 157-160. | 1.2 | 22 |
| 31 | A promising camptothecin derivative: Semisynthesis, antitumor activity and intestinal permeability. <i>European Journal of Medicinal Chemistry</i> , 2014, 83, 366-373. | 2.6 | 22 |
| 32 | Comparison of segmental-dependent permeability in human and in situ perfusion model in rat. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 107, 191-196. | 1.9 | 21 |
| 33 | Innovative in Vitro Method To Predict Rate and Extent of Drug Delivery to the Brain across the Blood-Brain Barrier. <i>Molecular Pharmaceutics</i> , 2013, 10, 3822-3831. | 2.3 | 19 |
| 34 | In vitro model for predicting the access and distribution of drugs in the brain using hCMEC/D3 cells. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2021, 163, 120-126. | 2.0 | 19 |
| 35 | Evaluation of antiproliferative activities and apoptosis induction caused by copper(II)-benzothiazolesulfonamide complexes in Jurkat T lymphocytes and Caco-2 cells. <i>Journal of Biological Inorganic Chemistry</i> , 2008, 13, 1249-1265. | 1.1 | 18 |
| 36 | Modified Nonsink Equation for Permeability Estimation in Cell Monolayers: Comparison with Standard Methods. <i>Molecular Pharmaceutics</i> , 2014, 11, 1403-1414. | 2.3 | 18 |

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|----|--|-----|-----------|
| 37 | Gated Mesoporous Silica Nanocarriers for a "Two-Step" Targeted System to Colonic Tissue. <i>Molecular Pharmaceutics</i> , 2017, 14, 4442-4453. | 2.3 | 18 |
| 38 | Determination of intestinal permeability using in situ perfusion model in rats: Challenges and advantages to BCS classification applied to digoxin. <i>International Journal of Pharmaceutics</i> , 2018, 551, 148-157. | 2.6 | 18 |
| 39 | Biopharmaceutical optimization in neglected diseases for paediatric patients by applying the provisional paediatric biopharmaceutical classification system. <i>British Journal of Clinical Pharmacology</i> , 2018, 84, 2231-2241. | 1.1 | 18 |
| 40 | Double Drug Delivery Using Capped Mesoporous Silica Microparticles for the Effective Treatment of Inflammatory Bowel Disease. <i>Molecular Pharmaceutics</i> , 2019, 16, 2418-2429. | 2.3 | 18 |
| 41 | Semisynthesis, Cytotoxic Activity, and Oral Availability of New Lipophilic 9-Substituted Camptothecin Derivatives. <i>ACS Medicinal Chemistry Letters</i> , 2013, 4, 651-655. | 1.3 | 17 |
| 42 | Development of an ion-pair to improve the colon permeability of a low permeability drug: Atenolol. <i>European Journal of Pharmaceutical Sciences</i> , 2016, 93, 334-340. | 1.9 | 17 |
| 43 | Candesartan Cilexetil In Vitro "In Vivo Correlation: Predictive Dissolution as a Development Tool. <i>Pharmaceutics</i> , 2020, 12, 633. | 2.0 | 17 |
| 44 | Availability of Authorizations from EMA and FDA for Age-Appropriate Medicines Contained in the WHO Essential Medicines List for Children 2019. <i>Pharmaceutics</i> , 2020, 12, 316. | 2.0 | 17 |
| 45 | Drug gastrointestinal absorption in rat: Strain and gender differences. <i>European Journal of Pharmaceutical Sciences</i> , 2015, 78, 198-203. | 1.9 | 15 |
| 46 | Oral controlled release dosage forms: dissolution versus diffusion. <i>Expert Opinion on Drug Delivery</i> , 2020, 17, 791-803. | 2.4 | 13 |
| 47 | Functional Magnetic Mesoporous Silica Microparticles Capped with an Azo-Derivative: A Promising Colon Drug Delivery Device. <i>Molecules</i> , 2018, 23, 375. | 1.7 | 11 |
| 48 | Ion-pair approach coupled with nanoparticle formation to increase bioavailability of a low permeability charged drug. <i>International Journal of Pharmaceutics</i> , 2019, 557, 36-42. | 2.6 | 11 |
| 49 | Genotoxic Potential of N-(Benzothiazolyl)sulfonamide Copper(II) Complexes on Yeast Cells Transformed with YEGFP Expression Constructs Containing the RAD54 or RNR2 Promoter. <i>European Journal of Inorganic Chemistry</i> , 2006, 2006, 3823-3834. | 1.0 | 10 |
| 50 | Importance and applications of cell- and tissue-based in vitro models for drug permeability screening in early stages of drug development. , 2016, , 3-29. | | 10 |
| 51 | Preclinical models for colonic absorption, application to controlled release formulation development. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018, 130, 247-259. | 2.0 | 10 |
| 52 | Investigation to Explain Bioequivalence Failure in Pravastatin Immediate-Release Products. <i>Pharmaceutics</i> , 2019, 11, 663. | 2.0 | 10 |
| 53 | Structural basis and effect of copper(II) complexes with 4-oxo-thiazolidine ligands on DNA binding and nuclease activity. <i>Journal of Inorganic Biochemistry</i> , 2020, 203, 110902. | 1.5 | 9 |
| 54 | Unique pharmacology of KAR-2, a potential anti-cancer agent: Absorption modelling and selective mitotic spindle targeting. <i>European Journal of Pharmaceutical Sciences</i> , 2009, 36, 11-19. | 1.9 | 8 |

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|----|--|-----|-----------|
| 55 | Surfactant-Triggered Molecular Gate Tested on Different Mesoporous Silica Supports for Gastrointestinal Controlled Delivery. <i>Nanomaterials</i> , 2020, 10, 1290. | 1.9 | 8 |
| 56 | Effect of excipients on oral absorption process according to the different gastrointestinal segments. <i>Expert Opinion on Drug Delivery</i> , 2021, 18, 1005-1024. | 2.4 | 8 |
| 57 | Effect of Common Excipients on Intestinal Drug Absorption in Wistar Rats. <i>Molecular Pharmaceutics</i> , 2020, 17, 2310-2318. | 2.3 | 8 |
| 58 | Intestinal Permeability of β -Lapachone and Its Cyclodextrin Complexes and Physical Mixtures. <i>European Journal of Drug Metabolism and Pharmacokinetics</i> , 2016, 41, 795-806. | 0.6 | 7 |
| 59 | An In Vivo Predictive Dissolution Methodology (iPD Methodology) with a BCS Class IIb Drug Can Predict the In Vivo Bioequivalence Results: Etoricoxib Products. <i>Pharmaceutics</i> , 2021, 13, 507. | 2.0 | 7 |
| 60 | Enhancing Oral Absorption of β -Lapachone: Progress Till Date. <i>European Journal of Drug Metabolism and Pharmacokinetics</i> , 2017, 42, 1-10. | 0.6 | 6 |
| 61 | Impact on intestinal permeability of pediatric hyperosmolar formulations after dilution: Studies with rat perfusion method. <i>International Journal of Pharmaceutics</i> , 2019, 557, 154-161. | 2.6 | 6 |
| 62 | Effect of thickener on disintegration, dissolution and permeability of common drug products for elderly patients. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2020, 153, 168-176. | 2.0 | 6 |
| 63 | Two-step in vitro-in vivo correlations: Deconvolution and convolution methods, which one gives the best predictability? Comparison with one-step approach. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2021, 158, 185-197. | 2.0 | 6 |
| 64 | Lactose-Gated Mesoporous Silica Particles for Intestinal Controlled Delivery of Essential Oil Components: An In Vitro and In Vivo Study. <i>Pharmaceutics</i> , 2021, 13, 982. | 2.0 | 5 |
| 65 | Long-Circulating Hyaluronan-Based Nanohydrogels as Carriers of Hydrophobic Drugs. <i>Pharmaceutics</i> , 2018, 10, 213. | 2.0 | 4 |
| 66 | Physiologically Based Pharmacokinetic (PBPK) Modeling for Predicting Brain Levels of Drug in Rat. <i>Pharmaceutics</i> , 2021, 13, 1402. | 2.0 | 4 |
| 67 | New In Vitro Methodology for Kinetics Distribution Prediction in the Brain. An Additional Step towards an Animal-Free Approach. <i>Animals</i> , 2021, 11, 3521. | 1.0 | 4 |
| 68 | pH-Dependent Molecular Gate Mesoporous Microparticles for Biological Control of <i>Giardia intestinalis</i> . <i>Pharmaceutics</i> , 2021, 13, 94. | 2.0 | 3 |
| 69 | Controlled Delivery Formulations. <i>Pharmaceutics</i> , 2021, 13, 374. | 2.0 | 0 |
| 70 | Integration of In Silico, In Vitro and In Situ Tools for the Preformulation and Characterization of a Novel Cardio-Neuroprotective Compound during the Early Stages of Drug Development. <i>Pharmaceutics</i> , 2022, 14, 182. | 2.0 | 0 |