

Christine Barthelemy

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

65
papers

850
citations

17
h-index

25
g-index

68
ext. papers

1,000
ext. citations

3.8
avg, IF

3.45
L-index

| # | Paper | IF | Citations |
|----|--|-----|-----------|
| 65 | Long-term stability of ready-to-use 1-mg/mL midazolam solution. <i>American Journal of Health-System Pharmacy</i> , 2020 , 77, 681-689 | 2.2 | 0 |
| 64 | Dynamic particle count during drug infusion: Method characterization and analysis of factors influencing results. <i>Journal of Drug Delivery Science and Technology</i> , 2020 , 55, 101473 | 4.5 | 0 |
| 63 | Evaluation of the stability of vancomycin solutions at concentrations used in clinical services. <i>European Journal of Hospital Pharmacy</i> , 2020 , 27, e87-e92 | 1.6 | 5 |
| 62 | Long-term stability of ready-to-use norepinephrine solution at 0.2 and 0.5 mg/mL. <i>European Journal of Hospital Pharmacy</i> , 2020 , 27, e93-e98 | 1.6 | 0 |
| 61 | To what extent do the storage conditions of polyether-based polyurethane have an impact on diazepam delivery?. <i>Journal of Applied Polymer Science</i> , 2020 , 137, 49333 | 2.9 | 1 |
| 60 | Clinical implications of intravenous drug incompatibilities in critically ill patients. <i>Anaesthesia, Critical Care & Pain Medicine</i> , 2019 , 38, 173-180 | 3 | 21 |
| 59 | Acute kidney injury after high dose etoposide phosphate: A retrospective study in children receiving an allogeneic hematopoietic stem cell transplantation. <i>Pediatric Blood and Cancer</i> , 2018 , 65, e27038 | 3 | 6 |
| 58 | A decontamination process adding a tensioactive agent and isopropanol to a closed-system drug transfer device for better control of isolator contamination. A prospective, parallel study. <i>PLoS ONE</i> , 2018 , 13, e0201335 | 3.7 | 6 |
| 57 | In vitro assessment of the influence of intravenous extension set materials on insulin aspart drug delivery. <i>PLoS ONE</i> , 2018 , 13, e0201623 | 3.7 | 10 |
| 56 | Effectiveness of in-Line Filters to Completely Remove Particulate Contamination During a Pediatric Multidrug Infusion Protocol. <i>Scientific Reports</i> , 2018 , 8, 7714 | 4.9 | 9 |
| 55 | Criteria for choosing an intravenous infusion line intended for multidrug infusion in anaesthesia and intensive care units. <i>Anaesthesia, Critical Care & Pain Medicine</i> , 2017 , 36, 53-63 | 3 | 9 |
| 54 | Immunoassay quantification of human insulin added to ternary parenteral nutrition containers: comparison of two methods. <i>Analytical and Bioanalytical Chemistry</i> , 2017 , 409, 3677-3684 | 4.4 | 6 |
| 53 | Dynamic Image Analysis To Evaluate Subvisible Particles During Continuous Drug Infusion In a Neonatal Intensive Care Unit. <i>Scientific Reports</i> , 2017 , 7, 9404 | 4.9 | 7 |
| 52 | Identification and quantification by H nuclear magnetic resonance spectroscopy of seven plasticizers in PVC medical devices. <i>Analytical and Bioanalytical Chemistry</i> , 2017 , 409, 1271-1280 | 4.4 | 13 |
| 51 | Analysis of plasticizers in PVC medical devices: Performance comparison of eight analytical methods. <i>Talanta</i> , 2017 , 162, 604-611 | 6.2 | 8 |
| 50 | How to solve the problem of co-elution between two compounds in liquid chromatography through the first UV derivative spectrum. A trial on alternative plasticizers to di(2-ethylhexyl) phthalate. <i>Talanta</i> , 2017 , 162, 187-192 | 6.2 | 5 |
| 49 | Evaluation of Specific Administering Devices for Antineoplastic Drugs Compounded in Syringes in Paediatrics: Methodology Proposal. <i>Journal of Oncology Pharmacy Practice</i> , 2017 , 1078155217733323 | 1.7 | |

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| 48 | Stability of 10 mg/mL cefuroxime solution for intracameral injection in commonly used polypropylene syringes and new ready-to-use cyclic olefin copolymer sterile vials using the LC-UV stability-indicating method. <i>Drug Development and Industrial Pharmacy</i> , 2016 , 42, 166-174 | 3.6 | 5 |
| 47 | Particulate Matter in Injectable Drugs: Evaluation of Risks to Patients. <i>Pharmaceutical Technology in Hospital Pharmacy</i> , 2016 , 1, | 0.5 | 5 |
| 46 | In Vitro Assessment of Interaction Between Amino Acids and Copper in Neonatal Parenteral Nutrition. <i>Journal of Parenteral and Enteral Nutrition</i> , 2016 , 40, 827-34 | 4.2 | 9 |
| 45 | Influence of a Double-Lumen Extension Tube on Drug Delivery: Examples of Isosorbide Dinitrate and Diazepam. <i>PLoS ONE</i> , 2016 , 11, e0154917 | 3.7 | 4 |
| 44 | Effectiveness of a Closed-System Transfer Device in Reducing Surface Contamination in a New Antineoplastic Drug-Compounding Unit: A Prospective, Controlled, Parallel Study. <i>PLoS ONE</i> , 2016 , 11, e0159052 | 3.7 | 32 |
| 43 | Potential Impact of Infusion Technique on Drug Delivery. <i>Therapeutic Drug Monitoring</i> , 2016 , 38, 268-73 | 3.2 | 3 |
| 42 | Endothelial Cell Toxicity of Vancomycin Infusion Combined with Other Antibiotics. <i>Antimicrobial Agents and Chemotherapy</i> , 2015 , 59, 4901-6 | 5.9 | 6 |
| 41 | Compatibility of medications during multi-infusion therapy: A controlled in vitro study on a multilumen infusion device. <i>Anaesthesia, Critical Care & Pain Medicine</i> , 2015 , 34, 83-8 | 3 | 17 |
| 40 | Influence of vancomycin infusion methods on endothelial cell toxicity. <i>Antimicrobial Agents and Chemotherapy</i> , 2015 , 59, 930-4 | 5.9 | 26 |
| 39 | An in vitro evaluation of infusion methods using a syringe pump to improve noradrenaline administration. <i>Acta Anaesthesiologica Scandinavica</i> , 2015 , 59, 197-204 | 1.9 | 4 |
| 38 | In vitro comparison of two changeover methods for vasoactive drug infusion pumps: quick-change versus automated relay. <i>Biomedizinische Technik</i> , 2015 , 60, 377-80 | 1.3 | 4 |
| 37 | Influence of infusion method on gemcitabine pharmacokinetics: a controlled randomized multicenter trial. <i>Cancer Chemotherapy and Pharmacology</i> , 2015 , 76, 865-71 | 3.5 | 3 |
| 36 | Assessment of anti-factor Xa activity of heparin in binary parenteral nutrition admixtures for premature neonates. <i>Annales Pharmaceutiques Francaises</i> , 2015 , 73, 277-80 | 1.3 | |
| 35 | In vitro analysis of overall particulate contamination exposure during multidrug IV therapy: impact of infusion sets. <i>Pediatric Blood and Cancer</i> , 2015 , 62, 1042-7 | 3 | 12 |
| 34 | Vancomycin syringe study shows significant reduction in dosing variability after introducing a revised protocol. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2014 , 103, e93-4 | 3.1 | 5 |
| 33 | Impact of infusion set characteristics on the accuracy of patient-controlled morphine administration: a controlled in-vitro study. <i>Anaesthesia</i> , 2014 , 69, 131-6 | 6.6 | 5 |
| 32 | Quantification of five plasticizers used in PVC tubing through high performance liquid chromatographic-UV detection. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014 , 965, 158-63 | 3.2 | 17 |
| 31 | Impact of noradrenaline infusion set on mean arterial pressure: a retrospective clinical study. <i>Annales Francaises DAnesthesie Et De Reanimation</i> , 2013 , 32, e159-62 | | 5 |

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| 30 | Prevention of drug delivery disturbances during continuous intravenous infusion: an in vitro study on a new multi-lumen infusion access device. <i>Annales Francaises D'Anesthesie Et De Reanimation</i> , 2013 , 32, e107-12 | | 10 |
| 29 | The impact of multilumen infusion devices on the occurrence of known physical drug incompatibility: a controlled in vitro study. <i>Anesthesia and Analgesia</i> , 2013 , 116, 101-6 | 3.9 | 16 |
| 28 | Improving noradrenaline infusion technique. <i>Anaesthesia</i> , 2013 , 68, 647-8 | 6.6 | 3 |
| 27 | Impact of physical incompatibility on drug mass flow rates: example of furosemide-midazolam incompatibility. <i>Annals of Intensive Care</i> , 2012 , 2, 28 | 8.9 | 13 |
| 26 | Multiple-test assessment of devices to protect healthcare workers when administering cytotoxic drugs to patients. <i>Journal of Oncology Pharmacy Practice</i> , 2012 , 18, 191-200 | 1.7 | 11 |
| 25 | The impact on drug mass flow rate of interrupting and resuming carrier fluid flow: an in vitro study on a very low dead-space volume infusion set. <i>Anesthesia and Analgesia</i> , 2012 , 114, 328-32 | 3.9 | 26 |
| 24 | Mathematical and physical model of gravity-fed infusion outflow: application to soft-bag-packed solutions. <i>European Journal of Drug Metabolism and Pharmacokinetics</i> , 2011 , 36, 197-203 | 2.7 | 4 |
| 23 | Experimental study on infusion devices containing polyvinyl chloride: to what extent are they di(2-ethylhexyl)phthalate-free?. <i>International Journal of Pharmaceutics</i> , 2011 , 412, 47-51 | 6.5 | 35 |
| 22 | Impact of infusion method on amikacin serum levels in humans. <i>Pulmonary Pharmacology and Therapeutics</i> , 2010 , 23, 324-6 | 3.5 | 11 |
| 21 | Infusion set characteristics such as antireflux valve and dead-space volume affect drug delivery: an experimental study designed to enhance infusion sets. <i>Anesthesia and Analgesia</i> , 2010 , 111, 1427-31 | 3.9 | 27 |
| 20 | Technical evaluation of a new sterile medical device to improve anticancer chemotherapy administration. <i>Oncology Nursing Forum</i> , 2010 , 37, E370-6 | 1.7 | 6 |
| 19 | Effect of genetic polymorphisms in UDP-glucuronosyltransferase 1A6 (UGT1A6) on acetylsalicylic acid metabolism in healthy female volunteers. <i>Pharmacology</i> , 2009 , 83, 237-42 | 2.3 | 15 |
| 18 | Impact of multiaccess infusion devices on in vitro drug delivery during multi-infusion therapy. <i>Anesthesia and Analgesia</i> , 2009 , 109, 1147-55 | 3.9 | 40 |
| 17 | Influence of crystal hydration on the mechanical properties of sodium naproxen. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2008 , 70, 345-56 | 5.7 | 22 |
| 16 | Effect of oil-in-water submicron emulsion surface charge on oral absorption of a poorly water-soluble drug in rats. <i>Drug Delivery</i> , 2008 , 15, 503-14 | 7 | 13 |
| 15 | A new tetrahydrated form of sodium naproxen. <i>Journal of Pharmaceutical Sciences</i> , 2007 , 96, 156-67 | 3.9 | 29 |
| 14 | Analytical and semipreparative enantioseparation of 9-hydroxyrisperidone, the main metabolite of risperidone, using high-performance liquid chromatography and capillary electrophoresis. Validation and determination of enantiomeric purity. <i>Journal of Chromatography A</i> , 2007 , 1163, 228-36 | 4.5 | 23 |
| 13 | Characterization and compaction behaviour of nimesulide crystal forms. <i>International Journal of Pharmaceutics</i> , 2007 , 342, 137-44 | 6.5 | 25 |

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| 12 | P-glycoprotein and cytochrome P450 3A4 involvement in risperidone transport using an in vitro Caco-2/TC7 model and an in vivo model. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2007 , 31, 878-86 | 5.5 | 20 |
| 11 | Influence of metronidazole particle properties on granules prepared in a high-shear mixer-granulator. <i>Drug Development and Industrial Pharmacy</i> , 2007 , 33, 121-31 | 3.6 | 7 |
| 10 | The role of several I-HPCs in preventing tablet capping during direct compression of metronidazole. <i>Drug Development and Industrial Pharmacy</i> , 2007 , 33, 1308-17 | 3.6 | 1 |
| 9 | Grapefruit juice-nifedipine interaction: possible involvement of several mechanisms. <i>Journal of Clinical Pharmacy and Therapeutics</i> , 2005 , 30, 153-8 | 2.2 | 24 |
| 8 | Influence of seven beverages on salicylate disposition in humans. <i>Journal of Clinical Pharmacy and Therapeutics</i> , 2001 , 26, 187-93 | 2.2 | 10 |
| 7 | Physical characterization of naproxen sodium hydrate and anhydrate forms. <i>European Journal of Pharmaceutical Sciences</i> , 2001 , 14, 293-300 | 5.1 | 46 |
| 6 | Improved compression properties of propyphenazone spherical crystals. <i>International Journal of Pharmaceutics</i> , 2000 , 197, 95-106 | 6.5 | 25 |
| 5 | Improved dissolution behavior of fenbufen by spherical crystallization. <i>Drug Development and Industrial Pharmacy</i> , 1999 , 25, 1073-81 | 3.6 | 35 |
| 4 | Water-soluble naphthalene derivatives as singlet oxygen (1O_2 , $^1\dot{O}$) carriers for biological media. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1996 , 36, 31-39 | 6.7 | 48 |
| 3 | Contribution of scintigraphy to verify the reliability of different preparation processes for enteric coated capsules. <i>European Journal of Drug Metabolism and Pharmacokinetics</i> , 1994 , 19, 91-8 | 2.7 | 12 |
| 2 | Partition and transport of verapamil and nicotine through artificial membranes. <i>International Journal of Pharmaceutics</i> , 1991 , 68, 43-49 | 6.5 | 17 |
| 1 | An Attempt at Bringing to Light a Phase Inversion in a Binary Mixture of Two Dimensional Rounded Particles. <i>Drug Development and Industrial Pharmacy</i> , 1988 , 14, 2443-2465 | 3.6 | 8 |