# Svetlana IbriÄ

List of Publications by Year
in descending order

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| 115 | 2,697 | 185998 | 223531 |
|---|---|---|---|
| papers | citations | 28 | 46 |
| | | h-index | g-index |

| 116 | 116 | 116 | 3010 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Optimization of polyphenols extraction from dried chokeberry using maceration as traditional technique. Food Chemistry, 2016, 194, 135-142. | 4.2 | 256 |
| 2 | Preparation of carbamazepineâ€“SoluplusÂ® solid dispersions by hot-melt extrusion, and prediction of drugâ€“polymer miscibility by thermodynamic model fitting. European Journal of Pharmaceutics and Biopharmaceutics, 2013, 84, 228-237. | 2.0 | 159 |
| 3 | Solubility enhancement of desloratadine by solid dispersion in poloxamers. International Journal of Pharmaceutics, 2012, 436, 161-170. | 2.6 | 85 |
| 4 | Characterization and evaluation of solid self-microemulsifying drug delivery systems with porous carriers as systems for improved carbamazepine release. International Journal of Pharmaceutics, 2012, 436, 58-65. | 2.6 | 81 |
| 5 | The application of generalized regression neural network in the modeling and optimization of aspirin extended release tablets with EudragitÂ® RS PO as matrix substance. Journal of Controlled Release, 2002, 82, 213-222. | 4.8 | 73 |
| 6 | Optimization of formulation and process parameters for the production of carvedilol nanosuspension by wet media milling. International Journal of Pharmaceutics, 2018, 540, 150-161. | 2.6 | 62 |
| 7 | Artificial Neural Networks in Evaluation and Optimization of Modified Release Solid Dosage Forms. Pharmaceutics, 2012, 4, 531-550. | 2.0 | 60 |
| 8 | Tablet disintegration and drug dissolution in viscous media: Paracetamol IR tablets. International Journal of Pharmaceutics, 2008, 355, 93-99. | 2.6 | 53 |
| 9 | Hydrophilic excipients in digital light processing (DLP) printing of sustained release tablets: Impact on internal structure and drug dissolution rate. International Journal of Pharmaceutics, 2019, 572, 118790. | 2.6 | 53 |
| 10 | Chokeberry (Aronia melanocarpa L.) extract loaded in alginate and alginate/inulin system. Industrial Crops and Products, 2016, 86, 120-131. | 2.5 | 52 |
| 11 | Optimization and Prediction of Ibuprofen Release from 3D DLP Printlets Using Artificial Neural Networks. Pharmaceutics, 2019, 11, 544. | 2.0 | 52 |
| 12 | Artificial neural networks in the modeling and optimization of aspirin extended release tablets with eudragit L 100 as matrix substance. AAPS PharmSciTech, 2003, 4, 62-70. | 1.5 | 51 |
| 13 | Influence of hydrophilic polymers on the complexation of carbamazepine with hydroxypropyl-Î²-cyclodextrin. European Journal of Pharmaceutical Sciences, 2015, 78, 273-285. | 1.9 | 47 |
| 14 | Improvement of Aripiprazole Solubility by Complexation with (2-Hydroxy)propyl-Î²-cyclodextrin Using Spray Drying Technique. AAPS PharmSciTech, 2012, 13, 623-631. | 1.5 | 46 |
| 15 | Optimization of matrix tablets controlled drug release using Elman dynamic neural networks and decision trees. International Journal of Pharmaceutics, 2012, 428, 57-67. | 2.6 | 45 |
| 16 | Spray-dried voriconazoleâ€“cyclodextrin complexes: Solubility, dissolution rate and chemical stability. Carbohydrate Polymers, 2013, 98, 122-131. | 5.1 | 45 |
| 17 | Formulation and characterization of nanofibers and films with carvedilol prepared by electrospinning and solution casting method. European Journal of Pharmaceutical Sciences, 2017, 101, 160-166. | 1.9 | 43 |
| 18 | Analytical and Computational Methods for the Estimation of Drug-Polymer Solubility and Miscibility in Solid Dispersions Development. Pharmaceutics, 2019, 11, 372. | 2.0 | 42 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Predicting drug release from diazepam FDM printed tablets using deep learning approach: Influence of process parameters and tablet surface/volume ratio. International Journal of Pharmaceutics, 2021, 601, 120507. | 2.6 | 42 |
| 20 | An investigation into the usefulness of generalized regression neural network analysis in the development of level A in vitroâ€“in vivo correlation. European Journal of Pharmaceutical Sciences, 2007, 30, 264-272. | 1.9 | 41 |
| 21 | Dissolution rate enhancement and physicochemical characterization of carbamazepine-poloxamer solid dispersions. Pharmaceutical Development and Technology, 2016, 21, 268-276. | 1.1 | 40 |
| 22 | Application of dynamic neural networks in the modeling of drug release from polyethylene oxide matrix tablets. European Journal of Pharmaceutical Sciences, 2009, 38, 172-180. | 1.9 | 38 |
| 23 | Influence of Solid Drug Delivery System Formulation on Poorly Water-Soluble Drug Dissolution and Permeability. Molecules, 2015, 20, 14684-14698. | 1.7 | 35 |
| 24 | An Investigation into the Factors Influencing Drug Release from Hydrophilic Matrix Tablets Based on Novel Carbomer Polymers. Drug Delivery, 2004, 11, 59-65. | 2.5 | 34 |
| 25 | Tailoring Atomoxetine Release Rate from DLP 3D-Printed Tablets Using Artificial Neural Networks: Influence of Tablet Thickness and Drug Loading. Molecules, 2021, 26, 111. | 1.7 | 34 |
| 26 | Self-nanoemulsifying drug delivery systems (SNEDDS) and self-microemulsifying drug delivery systems (SMEDDS) as lipid nanocarriers for improving dissolution rate and bioavailability of poorly soluble drugs. , 2018, , 473-508. | | 33 |
| 27 | Paracetamol extended release FDM 3D printlets: Evaluation of formulation variables on printability and drug release. International Journal of Pharmaceutics, 2021, 592, 120053. | 2.6 | 33 |
| 28 | Diatoms - nature materials with great potential for bioapplications. Hemijska Industrija, 2016, 70, 613-627. | 0.3 | 33 |
| 29 | Analysis of fluidized bed granulation process using conventional and novel modeling techniques. European Journal of Pharmaceutical Sciences, 2011, 44, 227-234. | 1.9 | 32 |
| 30 | Selection of the suitable polymer for supercritical fluid assisted preparation of carvedilol solid dispersions. International Journal of Pharmaceutics, 2019, 554, 190-200. | 2.6 | 32 |
| 31 | Drug release control and system understanding of sucrose esters matrix tablets by artificial neural networks. European Journal of Pharmaceutical Sciences, 2011, 44, 321-331. | 1.9 | 30 |
| 32 | Development of the second-order derivative UV spectrophotometric method for direct determination of paracetamol in urine intended for biopharmaceutical characterisation of drug products. Biopharmaceutics and Drug Disposition, 2003, 24, 309-314. | 1.1 | 29 |
| 33 | Solid self-emulsifying phospholipid suspension (SSEPS) with diatom as a drug carrier. European Journal of Pharmaceutical Sciences, 2014, 63, 226-232. | 1.9 | 29 |
| 34 | Application of Design of Experiments and Multilayer Perceptron Neural Network in Optimization of the Spray-Drying Process. Drying Technology, 2011, 29, 1638-1647. | 1.7 | 28 |
| 35 | Development of ternary solid dispersions with hydrophilic polymer and surface adsorbent for improving dissolution rate of carbamazepine. Saudi Pharmaceutical Journal, 2018, 26, 725-732. | 1.2 | 28 |
| 36 | Coupled in silico platform: Computational fluid dynamics (CFD) and physiologically-based pharmacokinetic (PBPK) modelling. European Journal of Pharmaceutical Sciences, 2018, 113, 171-184. | 1.9 | 28 |

| # | ARTICLE | IF | CITATIONS |
|---|---|---|---|
| 37 | Mucoadhesive Gelatin Buccal Films with Propranolol Hydrochloride: Evaluation of Mechanical, Mucoadhesive, and Biopharmaceutical Properties. Pharmaceutics, 2021, 13, 273. | 2.0 | 27 |
| 38 | Combined application of mixture experimental design and artificial neural networks in the solid dispersion development. Drug Development and Industrial Pharmacy, 2016, 42, 389-402. | 0.9 | 25 |
| 39 | Digital Light Processing (DLP) 3D Printing of Atomoxetine Hydrochloride Tablets Using Photoreactive Suspensions. Pharmaceutics, 2020, 12, 833. | 2.0 | 25 |
| 40 | An investigation into the effect of formulation variables and process parameters on characteristics of granules obtained by in situ fluidized hot melt granulation. International Journal of Pharmaceutics, 2012, 423, 202-212. | 2.6 | 24 |
| 41 | In vitro â€“ in silico â€“ in vivo drug absorption model development based on mechanistic gastrointestinal simulation and artificial neural networks: Nifedipine osmotic release tablets case study. European Journal of Pharmaceutical Sciences, 2014, 62, 212-218. | 1.9 | 24 |
| 42 | 3D Printed Buccal Films for Prolonged-Release of Propranolol Hydrochloride: Development, Characterization and Bioavailability Prediction. Pharmaceutics, 2021, 13, 2143. | 2.0 | 24 |
| 43 | Tailoring amlodipine release from 3D printed tablets: Influence of infill patterns and wall thickness. International Journal of Pharmaceutics, 2021, 610, 121261. | 2.6 | 23 |
| 44 | Functionality and performance evaluation of directly compressible co-processed excipients based on dynamic compaction analysis and percolation theory. Powder Technology, 2018, 326, 292-301. | 2.1 | 22 |
| 45 | Assessing the potential of solid dispersions to improve dissolution rate and bioavailability of valsartan: In vitro-in silico approach. European Journal of Pharmaceutical Sciences, 2018, 124, 188-198. | 1.9 | 22 |
| 46 | Evaluation of exposure time and visible light irradiation in LCD 3D printing of ibuprofen extended release tablets. European Journal of Pharmaceutical Sciences, 2021, 158, 105688. | 1.9 | 22 |
| 47 | An in vitro - in silico approach for the formulation and characterization of ranitidine gastroretentive delivery systems. Journal of Drug Delivery Science and Technology, 2018, 45, 1-10. | 1.4 | 21 |
| 48 | The evaluation of the effect of different superdisintegrants on the drug release from FDM 3D printed tablets through different applied strategies: In vitro-in silico assessment. International Journal of Pharmaceutics, 2021, 610, 121194. | 2.6 | 21 |
| 49 | In silico modeling of in situ fluidized bed melt granulation. International Journal of Pharmaceutics, 2014, 466, 21-30. | 2.6 | 20 |
| 50 | Optimization and modelling of gentiopicroside, isogentisin and total phenolics extraction from Gentiana lutea L. roots. Industrial Crops and Products, 2020, 155, 112767. | 2.5 | 20 |
| 51 | Generalized regression neural networks in prediction of drug stability. Journal of Pharmacy and Pharmacology, 2010, 59, 745-750. | 1.2 | 19 |
| 52 | A study of jet-milling and spray-drying process for the physicochemical and aerodynamic dispersion properties of amiloride HCl. Powder Technology, 2014, 262, 170-176. | 2.1 | 17 |
| 53 | Application of miscibility analysis and determination of Soluplus solubility map for development of carvedilol-loaded nanofibers. International Journal of Pharmaceutics, 2017, 533, 445-454. | 2.6 | 17 |
| 54 | Application of Design of Experiments and Multilayer Perceptrons Neural Network in the Optimization of Diclofenac Sodium Extended Release Tablets with Carbopol 71G. Chemical and Pharmaceutical Bulletin, 2010, 58, 947-949. | 0.6 | 16 |

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|---|---|---|---|
| 55 | Application of Artificial Neural Networks in Prediction of Diclofenac Sodium Release From Drug-Modified Zeolites Physical Mixtures and Antiedematous Activity Assessment. Journal of Pharmaceutical Sciences, 2014, 103, 1085-1094. | 1.6 | 16 |
| 56 | Insight into the Formation of Glimepiride Nanocrystals by Wet Media Milling. Pharmaceutics, 2020, 12, 53. | 2.0 | 16 |
| 57 | SoluplusÂ®, EudragitÂ®, HPMC-AS foams and solid dispersions for enhancement of Carvedilol dissolution rate prepared by a supercritical CO2 process. Polymer Testing, 2019, 76, 54-64. | 2.3 | 15 |
| 58 | Understanding the Effect of Energy Density and Formulation Factors on the Printability and Characteristics of SLS Irbesartan Tabletsâ€"Application of the Decision Tree Model. Pharmaceutics, 2021, 13, 1969. | 2.0 | 15 |
| 59 | Combined Application of Experimental Design and Artificial Neural Networks in Modeling and Characterization of Spray Drying Drug: Cyclodextrin Complexes. Drying Technology, 2014, 32, 167-179. | 1.7 | 13 |
| 60 | The influence of spiral jet-milling on the physicochemical properties of carbamazepine form III crystals: Quality by design approach. Chemical Engineering Research and Design, 2014, 92, 500-508. | 2.7 | 13 |
| 61 | Application of failure mode and effects analysis in quality by design approach for formulation of carvedilol compression coated tablets. Journal of Drug Delivery Science and Technology, 2016, 32, 56-63. | 1.4 | 13 |
| 62 | Flow and Tableting Behaviors of Some Egyptian Kaolin Powders as Potential Pharmaceutical Excipients. Minerals (Basel, Switzerland), 2020, 10, 23. | 0.8 | 13 |
| 63 | Application of Machine-Learning Algorithms for Better Understanding of Tableting Properties of Lactose Co-Processed with Lipid Excipients. Pharmaceutics, 2021, 13, 663. | 2.0 | 13 |
| 64 | Application of Quality by Design Concepts in the Development of Fluidized Bed Granulation and Tableting Processes. Journal of Pharmaceutical Sciences, 2013, 102, 1869-1882. | 1.6 | 12 |
| 65 | Spray coating as a powerful technique in preparation of solid dispersions with enhanced desloratadine dissolution rate. Drug Development and Industrial Pharmacy, 2013, 39, 1020-1027. | 0.9 | 12 |
| 66 | Evaluation of powder, solution and suspension layering for the preparation of enteric coated pellets. European Journal of Pharmaceutical Sciences, 2016, 85, 84-93. | 1.9 | 12 |
| 67 | Application of the melt granulation technique in development of lipid matrix tablets with immediate release of carbamazepine. Journal of Drug Delivery Science and Technology, 2017, 39, 467-474. | 1.4 | 12 |
| 68 | Development of solid lipid microparticles by melt-emulsification/spray-drying processes as carriers for pulmonary drug delivery. European Journal of Pharmaceutical Sciences, 2021, 156, 105588. | 1.9 | 12 |
| 69 | Enhanced antimicrobial activity and physicochemical stability of rapid pyro-fabricated silver-kaolinite nanocomposite. International Journal of Pharmaceutics, 2021, 598, 120372. | 2.6 | 11 |
| 70 | Potential application of low molecular weight excipients for amorphization and dissolution enhancement of carvedilol. International Journal of Pharmaceutics, 2021, 608, 121033. | 2.6 | 11 |
| 71 | Application of mixture experimental design in the formulation and optimization of matrix tablets containing carbomer and hydroxy-propylmethylcellulose. Archives of Pharmacal Research, 2009, 32, 1767-1774. | 2.7 | 10 |
| 72 | Hot-melt coating with Precirol ATO 5 in a fluidized-bed apparatus: Application of experimental design in the optimization of process parameters. Journal of Drug Delivery Science and Technology, 2018, 46, 274-284. | 1.4 | 10 |

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|---|---|---|---|
| 73 | Elucidating molecular properties of kappa-carrageenan as critical material attributes contributing to drug dissolution from pellets with a multivariate approach. International Journal of Pharmaceutics, 2019, 566, 662-673. | 2.6 | 10 |
| 74 | Tableting of hot-melt coated paracetamol granules: Material tableting properties and quality characteristics of the obtained tablets. European Journal of Pharmaceutical Sciences, 2020, 142, 105121. | 1.9 | 9 |
| 75 | Development of propranolol hydrochloride bilayer mucoadhesive buccal tablets supported by in silico physiologically-based modeling. Reactive and Functional Polymers, 2020, 151, 104587. | 2.0 | 9 |
| 76 | Tableting properties of microcrystalline cellulose obtained from wheat straw measured with a single punch bench top tablet press. Saudi Pharmaceutical Journal, 2020, 28, 710-718. | 1.2 | 9 |
| 77 | Double emulsions (W/O/W emulsions): Encapsulation of plant bioactives. Lekovite Sirovine, 2019, , 76-83. | 0.8 | 9 |
| 78 | Neural computing in pharmaceutical products and process development. , 2013, , 91-175. | | 8 |
| 79 | An investigation into the usefulness of different empirical modeling techniques for better control of spray-on fluidized bed melt granulation. International Journal of Pharmaceutics, 2015, 496, 627-635. | 2.6 | 8 |
| 80 | Application of experimental design in examination of the dissolution rate of carbamazepine from formulations: Characterization of the optimal formulation by DSC, TGA, FT-IR and PXRD analysis. Journal of the Serbian Chemical Society, 2015, 80, 209-222. | 0.4 | 8 |
| 81 | Evaluation of the impact of critical quality attributes and critical process parameters on quality and stability of parenteral nutrition nanoemulsions. Journal of Drug Delivery Science and Technology, 2017, 39, 341-347. | 1.4 | 8 |
| 82 | Machine Learning Modeling of Wet Granulation Scale-up Using Particle Size Distribution Characterization Parameters. Journal of Pharmaceutical Innovation, 2020, 15, 535-546. | 1.1 | 7 |
| 83 | An Integrative in silico Drug Repurposing Approach for Identification of Potential Inhibitors of SARSâ€CoVâ€2 Main Protease. Molecular Informatics, 2021, 40, e2000187. | 1.4 | 7 |
| 84 | Methylprednisolone and its related substances in freeze dried powders for injections. Journal of the Serbian Chemical Society, 2010, 75, 1441-1452. | 0.4 | 6 |
| 85 | Evaluation of Diclofenac Sodium Release from Matrix Pellets Compressed into MUPS Tablets. Yakugaku Zasshi, 2009, 129, 1375-1384. | 0.0 | 5 |
| 86 | Review of machine learning algorithms' application in pharmaceutical technology. Arhiv Za Farmaciju, 2021, 71, 302-317. | 0.2 | 5 |
| 87 | The emerging role of physiologically-based pharmacokinetic/biopharmaceutics modeling in formulation development. Arhiv Za Farmaciju, 2021, 71, 318-335. | 0.2 | 5 |
| 88 | Tablet and capsule formulations incorporating high doses of a dry optimized herbal extract: The case of Satureja kitaibelii. Journal of Drug Delivery Science and Technology, 2021, 66, 102776. | 1.4 | 5 |
| 89 | Machine learning modelling of wet granulation scale-up using compressibility, compactibility and manufacturability parameters. Hemijska Industrija, 2019, 73, 155-168. | 0.3 | 5 |
| 90 | Microencapsulation methods for plants biologically active compounds: A review. Lekovite Sirovine, 2018, , 62-67. | 0.8 | 5 |

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|---|---|---|---|
| 91 | Biopharmaceutical characterization of sustained release matrix tablets based on novel carbomer polymers: formulation and in vivo investigation. European Journal of Drug Metabolism and Pharmacokinetics, 2005, 30, 99-104. | 0.6 | 4 |
| 92 | Application of the fractional factorial design in multiple W/O/W emulsions. Journal of Dispersion Science and Technology, 2017, 38, 1732-1737. | 1.3 | 4 |
| 93 | Assessing the risk of alcohol-induced dose dumping from sustained-release oral dosage forms: in vitroâ€“in silico approach. Pharmaceutical Development and Technology, 2018, 23, 921-932. | 1.1 | 4 |
| 94 | Improving Tableting Performance of Lactose Monohydrate by Fluid-Bed Melt Granulation Co-Processing. Pharmaceutics, 2021, 13, 2165. | 2.0 | 4 |
| 95 | Development of Lipid-Based Gastroretentive Delivery System for Gentian Extract by Double Emulsionâ€“Melt Dispersion Technique. Pharmaceutics, 2021, 13, 2095. | 2.0 | 4 |
| 96 | Application of the design of experiments in optimization of drug layering of pellets with an insight into drug polymer interactions. International Journal of Pharmaceutics, 2016, 506, 312-319. | 2.6 | 3 |
| 97 | Release modeling of nanoencapsulated food ingredients by artificial intelligence algorithms. , 2020, , 311-347. | | 3 |
| 98 | Preparation of floating polymer-valsartan delivery systems using supercritical CO2. Journal of Polymer Research, 2021, 28, 1. | 1.2 | 3 |
| 99 | Prediction of Drug Stability Using Deep Learning Approach: Case Study of Esomeprazole 40 mg Freeze-Dried Powder for Solution. Pharmaceutics, 2021, 13, 829. | 2.0 | 3 |
| 100 | In silico methods in stability testing of hydrocortisone, powder for injections: Multiple regression analysis versus dynamic neural network. Hemijska Industrija, 2012, 66, 647-657. | 0.3 | 3 |
| 101 | Quality assessment of total parenteral nutrition admixtures by the use of fractional factorial design. Vojnosanitetski Pregled, 2013, 70, 374-379. | 0.1 | 2 |
| 102 | Comparative analysis of mechanical and dissolution properties of single- and multicomponent folic acid supplements. Journal of Food Composition and Analysis, 2017, 60, 17-24. | 1.9 | 2 |
| 103 | Supercritical fluid impregnation of microcrystalline cellulose derived from the agricultural waste with ibuprofen. Sustainable Chemistry and Pharmacy, 2021, 21, 100447. | 1.6 | 2 |
| 104 | From smart materials to advanced drug delivery systems. International Journal of Pharmaceutics, 2017, 533, 323. | 2.6 | 1 |
| 105 | Effect of Circulation Chamber Dimensions on Aerosol Delivery Efficiency of a Commercial Dry Powder Inhaler AerolizerÂ®. , 2017, , . | | 1 |
| 106 | Evaluation of formulation and effects of process parameters on drug release and mechanical properties of tramadol hydrocloride sustained release matrix tablets. Hemijska Industrija, 2015, 69, 503-510. | 0.3 | 1 |
| 107 | Application of mixture experimental design in formulation and characterization of solid self-nanoemulsifying drug delivery systems containing carbamazepine. Hemijska Industrija, 2016, 70, 525-537. | 0.3 | 1 |
| 108 | Integrated biopharmaceutical approach in pharmaceutical development and drug characterization: General concept and application. Hemijska Industrija, 2020, 74, 389-397. | 0.3 | 1 |

| # | Article | IF | Citations |
|---|---|---|---|
| 109 | Comparative Assessment of Computational vs. In Vitro Methods for the Estimation of Dry Powders for Inhalation Emitted Fraction. , 2021, , . | | 1 |
| 110 | Potential application of surfactant systems in formulation of dosage forms with slightly soluble substances. Hemijska Industrija, 2012, 66, 667-676. | 0.3 | 0 |
| 111 | Application of deep learning tools in prediction of printability of 3D printed tablets. , 2021, , . | | 0 |
| 112 | Multiparticulate oral formulations as a viable strategy for precise drug dosing in pediatrics: Propranolol case study. Arhiv Za Farmaciju, 2021, 71, 141-159. | 0.2 | 0 |
| 113 | Characterization of orodispersible tablets and orodispersible films. Arhiv Za Farmaciju, 2018, 68, 839-859. | 0.2 | 0 |
| 114 | An investigation into the effects of excipients on quality characteristics of a dry herbal extract containing capsule. Hemijska Industrija, 2018, 72, 183-189. | 0.3 | 0 |
| 115 | Investigation of short-term stability of parenteral nutrition nanoemulsions prepared under laboratory conditions. Vojnosanitetski Pregled, 2020, 77, 688-696. | 0.1 | 0 |