

Svetlana IbriÄ

List of Publications by Year in descending order

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115
papers

2,697
citations

185998

28
h-index

223531

46
g-index

116
all docs

116
docs citations

116
times ranked

3010
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of solid lipid microparticles by melt-emulsification/spray-drying processes as carriers for pulmonary drug delivery. <i>European Journal of Pharmaceutical Sciences</i> , 2021, 156, 105588.	1.9	12
2	Paracetamol extended release FDM 3D printlets: Evaluation of formulation variables on printability and drug release. <i>International Journal of Pharmaceutics</i> , 2021, 592, 120053.	2.6	33
3	Review of machine learning algorithms' application in pharmaceutical technology. <i>Arhiv Za Farmaciju</i> , 2021, 71, 302-317.	0.2	5
4	Application of deep learning tools in prediction of printability of 3D printed tablets. , 2021, , .		0
5	The emerging role of physiologically-based pharmacokinetic/biopharmaceutics modeling in formulation development. <i>Arhiv Za Farmaciju</i> , 2021, 71, 318-335.	0.2	5
6	Preparation of floating polymer-valsartan delivery systems using supercritical CO ₂ . <i>Journal of Polymer Research</i> , 2021, 28, 1.	1.2	3
7	Mucoadhesive Gelatin Buccal Films with Propranolol Hydrochloride: Evaluation of Mechanical, Mucoadhesive, and Biopharmaceutical Properties. <i>Pharmaceutics</i> , 2021, 13, 273.	2.0	27
8	An Integrative <i>in silico</i> Drug Repurposing Approach for Identification of Potential Inhibitors of SARS-CoV-2 Main Protease. <i>Molecular Informatics</i> , 2021, 40, e2000187.	1.4	7
9	Evaluation of exposure time and visible light irradiation in LCD 3D printing of ibuprofen extended release tablets. <i>European Journal of Pharmaceutical Sciences</i> , 2021, 158, 105688.	1.9	22
10	Enhanced antimicrobial activity and physicochemical stability of rapid pyro-fabricated silver-kaolinite nanocomposite. <i>International Journal of Pharmaceutics</i> , 2021, 598, 120372.	2.6	11
11	Application of Machine-Learning Algorithms for Better Understanding of Tableting Properties of Lactose Co-Processed with Lipid Excipients. <i>Pharmaceutics</i> , 2021, 13, 663.	2.0	13
12	Predicting drug release from diazepam FDM printed tablets using deep learning approach: Influence of process parameters and tablet surface/volume ratio. <i>International Journal of Pharmaceutics</i> , 2021, 601, 120507.	2.6	42
13	Supercritical fluid impregnation of microcrystalline cellulose derived from the agricultural waste with ibuprofen. <i>Sustainable Chemistry and Pharmacy</i> , 2021, 21, 100447.	1.6	2
14	Prediction of Drug Stability Using Deep Learning Approach: Case Study of Esomeprazole 40 mg Freeze-Dried Powder for Solution. <i>Pharmaceutics</i> , 2021, 13, 829.	2.0	3
15	Potential application of low molecular weight excipients for amorphization and dissolution enhancement of carvedilol. <i>International Journal of Pharmaceutics</i> , 2021, 608, 121033.	2.6	11
16	Tablet and capsule formulations incorporating high doses of a dry optimized herbal extract: The case of <i>Satureja kitaibelii</i> . <i>Journal of Drug Delivery Science and Technology</i> , 2021, 66, 102776.	1.4	5
17	Multiparticulate oral formulations as a viable strategy for precise drug dosing in pediatrics: Propranolol case study. <i>Arhiv Za Farmaciju</i> , 2021, 71, 141-159.	0.2	0
18	Tailoring Atomoxetine Release Rate from DLP 3D-Printed Tablets Using Artificial Neural Networks: Influence of Tablet Thickness and Drug Loading. <i>Molecules</i> , 2021, 26, 111.	1.7	34

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19	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
20	Tailoring amlodipine release from 3D printed tablets: Influence of infill patterns and wall thickness. International Journal of Pharmaceutics, 2021, 610, 121261.	2.6	23
21	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
22	Comparative Assessment of Computational vs. In Vitro Methods for the Estimation of Dry Powders for Inhalation Emitted Fraction. , 2021, , .		1
23	3D Printed Buccal Films for Prolonged-Release of Propranolol Hydrochloride: Development, Characterization and Bioavailability Prediction. Pharmaceutics, 2021, 13, 2143.	2.0	24
24	Improving Tableting Performance of Lactose Monohydrate by Fluid-Bed Melt Granulation Co-Processing. Pharmaceutics, 2021, 13, 2165.	2.0	4
25	Development of Lipid-Based Gastroretentive Delivery System for Gentian Extract by Double Emulsionâ€”Melt Dispersion Technique. Pharmaceutics, 2021, 13, 2095.	2.0	4
26	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
27	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
28	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
29	Digital Light Processing (DLP) 3D Printing of Atomoxetine Hydrochloride Tablets Using Photoreactive Suspensions. Pharmaceutics, 2020, 12, 833.	2.0	25
30	Release modeling of nanoencapsulated food ingredients by artificial intelligence algorithms. , 2020, , 311-347.		3
31	Flow and Tableting Behaviors of Some Egyptian Kaolin Powders as Potential Pharmaceutical Excipients. Minerals (Basel, Switzerland), 2020, 10, 23.	0.8	13
32	Insight into the Formation of Glimepiride Nanocrystals by Wet Media Milling. Pharmaceutics, 2020, 12, 53.	2.0	16
33	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
34	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
35	Investigation of short-term stability of parenteral nutrition nanoemulsions prepared under laboratory conditions. Vojnosanitetski Pregled, 2020, 77, 688-696.	0.1	0
36	Integrated biopharmaceutical approach in pharmaceutical development and drug characterization: General concept and application. Hemijska Industrija, 2020, 74, 389-397.	0.3	1

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37	Analytical and Computational Methods for the Estimation of Drug-Polymer Solubility and Miscibility in Solid Dispersions Development. <i>Pharmaceutics</i> , 2019, 11, 372.	2.0	42
38	Hydrophilic excipients in digital light processing (DLP) printing of sustained release tablets: Impact on internal structure and drug dissolution rate. <i>International Journal of Pharmaceutics</i> , 2019, 572, 118790.	2.6	53
39	Optimization and Prediction of Ibuprofen Release from 3D DLP Printlets Using Artificial Neural Networks. <i>Pharmaceutics</i> , 2019, 11, 544.	2.0	52
40	Elucidating molecular properties of kappa-carrageenan as critical material attributes contributing to drug dissolution from pellets with a multivariate approach. <i>International Journal of Pharmaceutics</i> , 2019, 566, 662-673.	2.6	10
41	Soluplus® , Eudragit® , HPMC-AS foams and solid dispersions for enhancement of Carvedilol dissolution rate prepared by a supercritical CO2 process. <i>Polymer Testing</i> , 2019, 76, 54-64.	2.3	15
42	Selection of the suitable polymer for supercritical fluid assisted preparation of carvedilol solid dispersions. <i>International Journal of Pharmaceutics</i> , 2019, 554, 190-200.	2.6	32
43	Machine learning modelling of wet granulation scale-up using compressibility, compactibility and manufacturability parameters. <i>Hemijaska Industrija</i> , 2019, 73, 155-168.	0.3	5
44	Double emulsions (W/O/W emulsions): Encapsulation of plant bioactives. <i>Lekovite Sirovine</i> , 2019, , 76-83.	0.8	9
45	An in vitro - in silico approach for the formulation and characterization of ranitidine gastroretentive delivery systems. <i>Journal of Drug Delivery Science and Technology</i> , 2018, 45, 1-10.	1.4	21
46	Optimization of formulation and process parameters for the production of carvedilol nanosuspension by wet media milling. <i>International Journal of Pharmaceutics</i> , 2018, 540, 150-161.	2.6	62
47	Functionality and performance evaluation of directly compressible co-processed excipients based on dynamic compaction analysis and percolation theory. <i>Powder Technology</i> , 2018, 326, 292-301.	2.1	22
48	Development of ternary solid dispersions with hydrophilic polymer and surface adsorbent for improving dissolution rate of carbamazepine. <i>Saudi Pharmaceutical Journal</i> , 2018, 26, 725-732.	1.2	28
49	Assessing the risk of alcohol-induced dose dumping from sustained-release oral dosage forms: <i>in vitro</i> <i>in silico</i> approach. <i>Pharmaceutical Development and Technology</i> , 2018, 23, 921-932.	1.1	4
50	Coupled in silico platform: Computational fluid dynamics (CFD) and physiologically-based pharmacokinetic (PBPK) modelling. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 113, 171-184.	1.9	28
51	Hot-melt coating with Precirol ATO 5 in a fluidized-bed apparatus: Application of experimental design in the optimization of process parameters. <i>Journal of Drug Delivery Science and Technology</i> , 2018, 46, 274-284.	1.4	10
52	Assessing the potential of solid dispersions to improve dissolution rate and bioavailability of valsartan: In vitro-in silico approach. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 124, 188-198.	1.9	22
53	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
54	Microencapsulation methods for plants biologically active compounds: A review. <i>Lekovite Sirovine</i> , 2018, , 62-67.	0.8	5

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55	Characterization of orodispersible tablets and orodispersible films. <i>Arhiv Za Farmaciju</i> , 2018, 68, 839-859.	0.2	0
56	An investigation into the effects of excipients on quality characteristics of a dry herbal extract containing capsule. <i>Hemijaska Industrija</i> , 2018, 72, 183-189.	0.3	0
57	Formulation and characterization of nanofibers and films with carvedilol prepared by electrospinning and solution casting method. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 101, 160-166.	1.9	43
58	Application of miscibility analysis and determination of Soluplus solubility map for development of carvedilol-loaded nanofibers. <i>International Journal of Pharmaceutics</i> , 2017, 533, 445-454.	2.6	17
59	Application of the melt granulation technique in development of lipid matrix tablets with immediate release of carbamazepine. <i>Journal of Drug Delivery Science and Technology</i> , 2017, 39, 467-474.	1.4	12
60	Evaluation of the impact of critical quality attributes and critical process parameters on quality and stability of parenteral nutrition nanoemulsions. <i>Journal of Drug Delivery Science and Technology</i> , 2017, 39, 341-347.	1.4	8
61	Application of the fractional factorial design in multiple W/O/W emulsions. <i>Journal of Dispersion Science and Technology</i> , 2017, 38, 1732-1737.	1.3	4
62	Comparative analysis of mechanical and dissolution properties of single- and multicomponent folic acid supplements. <i>Journal of Food Composition and Analysis</i> , 2017, 60, 17-24.	1.9	2
63	From smart materials to advanced drug delivery systems. <i>International Journal of Pharmaceutics</i> , 2017, 533, 323.	2.6	1
64	Effect of Circulation Chamber Dimensions on Aerosol Delivery Efficiency of a Commercial Dry Powder Inhaler AerolizerÅ®, 2017, , .		1
65	Chokeberry (<i>Aronia melanocarpa</i> L.) extract loaded in alginate and alginate/inulin system. <i>Industrial Crops and Products</i> , 2016, 86, 120-131.	2.5	52
66	Application of the design of experiments in optimization of drug layering of pellets with an insight into drug polymer interactions. <i>International Journal of Pharmaceutics</i> , 2016, 506, 312-319.	2.6	3
67	Dissolution rate enhancement and physicochemical characterization of carbamazepine-poloxamer solid dispersions. <i>Pharmaceutical Development and Technology</i> , 2016, 21, 268-276.	1.1	40
68	Evaluation of powder, solution and suspension layering for the preparation of enteric coated pellets. <i>European Journal of Pharmaceutical Sciences</i> , 2016, 85, 84-93.	1.9	12
69	Application of failure mode and effects analysis in quality by design approach for formulation of carvedilol compression coated tablets. <i>Journal of Drug Delivery Science and Technology</i> , 2016, 32, 56-63.	1.4	13
70	Combined application of mixture experimental design and artificial neural networks in the solid dispersion development. <i>Drug Development and Industrial Pharmacy</i> , 2016, 42, 389-402.	0.9	25
71	Optimization of polyphenols extraction from dried chokeberry using maceration as traditional technique. <i>Food Chemistry</i> , 2016, 194, 135-142.	4.2	256
72	Application of mixture experimental design in formulation and characterization of solid self-nanoemulsifying drug delivery systems containing carbamazepine. <i>Hemijaska Industrija</i> , 2016, 70, 525-537.	0.3	1

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73	Diatoms - nature materials with great potential for bioapplications. <i>Hemijska Industrija</i> , 2016, 70, 613-627.	0.3	33
74	Influence of Solid Drug Delivery System Formulation on Poorly Water-Soluble Drug Dissolution and Permeability. <i>Molecules</i> , 2015, 20, 14684-14698.	1.7	35
75	An investigation into the usefulness of different empirical modeling techniques for better control of spray-on fluidized bed melt granulation. <i>International Journal of Pharmaceutics</i> , 2015, 496, 627-635.	2.6	8
76	Influence of hydrophilic polymers on the complexation of carbamazepine with hydroxypropyl- β -cyclodextrin. <i>European Journal of Pharmaceutical Sciences</i> , 2015, 78, 273-285.	1.9	47
77	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. <i>Journal of the Serbian Chemical Society</i> , 2015, 80, 209-222.	0.4	8
78	Evaluation of formulation and effects of process parameters on drug release and mechanical properties of tramadol hydrochloride sustained release matrix tablets. <i>Hemijska Industrija</i> , 2015, 69, 503-510.	0.3	1
79	Combined Application of Experimental Design and Artificial Neural Networks in Modeling and Characterization of Spray Drying Drug: Cyclodextrin Complexes. <i>Drying Technology</i> , 2014, 32, 167-179.	1.7	13
80	Solid self-emulsifying phospholipid suspension (SSEPS) with diatom as a drug carrier. <i>European Journal of Pharmaceutical Sciences</i> , 2014, 63, 226-232.	1.9	29
81	Application of Artificial Neural Networks in Prediction of Diclofenac Sodium Release From Drug-Modified Zeolites Physical Mixtures and Antiedematous Activity Assessment. <i>Journal of Pharmaceutical Sciences</i> , 2014, 103, 1085-1094.	1.6	16
82	In silico modeling of in situ fluidized bed melt granulation. <i>International Journal of Pharmaceutics</i> , 2014, 466, 21-30.	2.6	20
83	A study of jet-milling and spray-drying process for the physicochemical and aerodynamic dispersion properties of amiloride HCl. <i>Powder Technology</i> , 2014, 262, 170-176.	2.1	17
84	The influence of spiral jet-milling on the physicochemical properties of carbamazepine form III crystals: Quality by design approach. <i>Chemical Engineering Research and Design</i> , 2014, 92, 500-508.	2.7	13
85	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. <i>European Journal of Pharmaceutical Sciences</i> , 2014, 62, 212-218.	1.9	24
86	Preparation of carbamazepineâ€“SoluplusÂ® solid dispersions by hot-melt extrusion, and prediction of drugâ€“polymer miscibility by thermodynamic model fitting. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2013, 84, 228-237.	2.0	159
87	Application of Quality by Design Concepts in the Development of Fluidized Bed Granulation and Tableting Processes. <i>Journal of Pharmaceutical Sciences</i> , 2013, 102, 1869-1882.	1.6	12
88	Spray-dried voriconazoleâ€“cyclodextrin complexes: Solubility, dissolution rate and chemical stability. <i>Carbohydrate Polymers</i> , 2013, 98, 122-131.	5.1	45
89	Quality assessment of total parenteral nutrition admixtures by the use of fractional factorial design. <i>Vojnosanitetski Pregled</i> , 2013, 70, 374-379.	0.1	2
90	Spray coating as a powerful technique in preparation of solid dispersions with enhanced desloratadine dissolution rate. <i>Drug Development and Industrial Pharmacy</i> , 2013, 39, 1020-1027.	0.9	12

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91	Neural computing in pharmaceutical products and process development. , 2013, , 91-175.		8
92	Potential application of surfactant systems in formulation of dosage forms with slightly soluble substances. Hemijska Industrija, 2012, 66, 667-676.	0.3	0
93	Improvement of Aripiprazole Solubility by Complexation with (2-Hydroxy)propyl- β -cyclodextrin Using Spray Drying Technique. AAPS PharmSciTech, 2012, 13, 623-631.	1.5	46
94	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
95	Solubility enhancement of desloratadine by solid dispersion in poloxamers. International Journal of Pharmaceutics, 2012, 436, 161-170.	2.6	85
96	Artificial Neural Networks in Evaluation and Optimization of Modified Release Solid Dosage Forms. Pharmaceutics, 2012, 4, 531-550.	2.0	60
97	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
98	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
99	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
100	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
101	Analysis of fluidized bed granulation process using conventional and novel modeling techniques. European Journal of Pharmaceutical Sciences, 2011, 44, 227-234.	1.9	32
102	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
103	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
104	Generalized regression neural networks in prediction of drug stability. Journal of Pharmacy and Pharmacology, 2010, 59, 745-750.	1.2	19
105	Methylprednisolone and its related substances in freeze dried powders for injections. Journal of the Serbian Chemical Society, 2010, 75, 1441-1452.	0.4	6
106	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
107	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
108	Evaluation of Diclofenac Sodium Release from Matrix Pellets Compressed into MUPS Tablets. Yakugaku Zasshi, 2009, 129, 1375-1384.	0.0	5

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109	Tablet disintegration and drug dissolution in viscous media: Paracetamol IR tablets. International Journal of Pharmaceutics, 2008, 355, 93-99.	2.6	53
110	An investigation into the usefulness of generalized regression neural network analysis in the development of level A in vitro“in vivo correlation. European Journal of Pharmaceutical Sciences, 2007, 30, 264-272.	1.9	41
111	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
112	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
113	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
114	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
115	The application of generalized regression neural network in the modeling and optimization of aspirin extended release tablets with Eudragit® RS PO as matrix substance. Journal of Controlled Release, 2002, 82, 213-222.	4.8	73