Ioan Tomuta

List of Publications by Year in descending order

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Version: 2024-02-01

98	1,588	257101	377514
papers	citations	24 h-index	34 g-index

100	100	100	1946
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The applicability of pharmaceutical polymeric blends for the fused deposition modelling (FDM) 3D technique: Material considerationsâ€“printabilityâ€“process modulation, with consecutive effects on in vitro release, stability and degradation. European Journal of Pharmaceutical Sciences, 2019, 129, 110-123.	1.9	106
2	Development of antiproliferative long-circulating liposomes co-encapsulating doxorubicin and curcumin, through the use of a quality-by-design approach. Drug Design, Development and Therapy, 2017, Volume 11, 1605-1621.	2.0	88
3	Review of advances in polymeric wound dressing films. Reactive and Functional Polymers, 2021, 168, 105059.	2.0	57
4	Process Optimization for Improved Phenolic Compounds Recovery from Walnut (Juglans regia L.) Septum: Phytochemical Profile and Biological Activities. Molecules, 2018, 23, 2814.	1.7	54
5	Statins in risk-reduction and treatment of cancer. World Journal of Clinical Oncology, 2020, 11, 573-588.	0.9	53
6	Evaluation of bioactive compounds-loaded chitosan films as a novel and potential diabetic wound dressing material. Reactive and Functional Polymers, 2019, 145, 104369.	2.0	46
7	Development, validation and comparison of near infrared and Raman spectroscopic methods for fast characterization of tablets with amlodipine and valsartan. Talanta, 2017, 167, 333-343.	2.9	39
8	Formulation Optimization of Freeze-Dried Long-Circulating Liposomes and In-Line Monitoring of the Freeze-Drying Process Using an NIR Spectroscopy Tool. Journal of Pharmaceutical Sciences, 2018, 107, 139-148.	1.6	38
9	Development and optimization of quercetin-loaded PLGA nanoparticles by experimental design. Medicine and Pharmacy Reports, 2015, 88, 214-223.	0.2	37
10	Enhanced Recovery of Antioxidant Compounds from Hazelnut (Corylus avellana L.) Involucre Based on Extraction Optimization: Phytochemical Profile and Biological Activities. Antioxidants, 2019, 8, 460.	2.2	37
11	Development of bioactive compounds-loaded chitosan films by using a QbD approach â€“ A novel and potential wound dressing material. Reactive and Functional Polymers, 2019, 138, 46-54.	2.0	35
12	Development of oral lyophilisates containing meloxicam nanocrystals using QbD approach. European Journal of Pharmaceutical Sciences, 2017, 104, 356-365.	1.9	34
13	Improvement of skin condition in striae distensae: development, characterization and clinical efficacy of a cosmetic product containing Punica granatum seed oil and Croton lechleri resin extract. Drug Design, Development and Therapy, 2017, Volume11, 521-531.	2.0	34
14	Optimizing long-circulating liposomes for delivery of simvastatin to C26 colon carcinoma cells. Journal of Liposome Research, 2015, 25, 261-269.	1.5	33
15	A quality by design approach for the development of lyophilized liposomes with simvastatin. Saudi Pharmaceutical Journal, 2017, 25, 981-992.	1.2	33
16	Enhanced Recovery of Phenolic and Tocopherolic Compounds from Walnut (Juglans Regia L.) Male Flowers Based on Process Optimization of Ultrasonic Assisted-Extraction: Phytochemical Profile and Biological Activities. Antioxidants, 2021, 10, 607.	2.2	32
17	A quality by design (QbD) study on enoxaparin sodium loaded polymeric microspheres for colon-specific delivery. European Journal of Pharmaceutical Sciences, 2017, 100, 249-261.	1.9	31
18	Optimization of prednisolone-loaded long-circulating liposomes via application of Quality by Design (QbD) approach. Journal of Liposome Research, 2018, 28, 49-61.	1.5	31

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19	High-throughput NIR-chemometric methods for determination of drug content and pharmaceutical properties of indapamide powder blends for tabletting. Journal of Pharmaceutical and Biomedical Analysis, 2012, 70, 301-309.	1.4	30
20	A Quality by Design (QbD) approach to the development of a gradient high-performance liquid chromatography for the simultaneous assay of curcuminoids and doxorubicin from long-circulating liposomes. Journal of Pharmaceutical and Biomedical Analysis, 2018, 158, 395-404.	1.4	29
21	In Vivo Double Targeting of C26 Colon Carcinoma Cells and Microenvironmental Protumor Processes Using Liposomal Simvastatin. Journal of Cancer, 2018, 9, 440-449.	1.2	27
22	Electrospun amorphous solid dispersions of meloxicam: Influence of polymer type and downstream processing to orodispersible dosage forms. International Journal of Pharmaceutics, 2019, 569, 118593.	2.6	27
23	3D floating tablets: Appropriate 3D design from the perspective of different in vitro dissolution testing methodologies. International Journal of Pharmaceutics, 2019, 567, 118433.	2.6	27
24	QbD for pediatric oral lyophilisates development: risk assessment followed by screening and optimization. Drug Development and Industrial Pharmacy, 2017, 43, 1932-1944.	0.9	25
25	Defining the design space for freeze-dried orodispersible tablets with meloxicam. Drug Development and Industrial Pharmacy, 2016, 42, 1977-1989.	0.9	24
26	Fluidised bed granulation of two APIs: QbD approach and development of a NIR in-line monitoring method. Asian Journal of Pharmaceutical Sciences, 2020, 15, 506-517.	4.3	23
27	High-throughput NIR-chemometric methods for determination of drug content and pharmaceutical properties of indapamide tablets. Journal of Pharmaceutical and Biomedical Analysis, 2013, 84, 285-292.	1.4	22
28	Development and validation of NIR-chemometric methods for chemical and pharmaceutical characterization of meloxicam tablets. Drug Development and Industrial Pharmacy, 2014, 40, 549-559.	0.9	22
29	A step forward towards the development of stable freeze-dried liposomes: a quality by design approach (QbD). Drug Development and Industrial Pharmacy, 2018, 44, 385-397.	0.9	21
30	Risk assessment and experimental design in the development of a prolonged release drug delivery system with paliperidone. Drug Design, Development and Therapy, 2017, Volume11, 733-746.	2.0	20
31	Assessment of oral formulation-dependent characteristics of orodispersible tablets using texture profiles and multivariate data analysis. Journal of Pharmaceutical and Biomedical Analysis, 2018, 152, 47-56.	1.4	20
32	The pharmaceutical applications of a biopolymer isolated from Trigonella foenum-graecum seeds: Focus on the freeze-dried matrix forming capacity. Saudi Pharmaceutical Journal, 2017, 25, 1217-1225.	1.2	19
33	Simultaneous quantification of simvastatin and excipients in liposomes using near infrared spectroscopy and chemometry. Journal of Pharmaceutical and Biomedical Analysis, 2015, 107, 40-49.	1.4	18
34	High-throughput NIR-chemometric methods for chemical and pharmaceutical characterization of sustained release tablets. Journal of Pharmaceutical and Biomedical Analysis, 2017, 138, 1-13.	1.4	18
35	Data fusion strategies for performance improvement of a Process Analytical Technology platform consisting of four instruments: An electrospinning case study. International Journal of Pharmaceutics, 2019, 567, 118473.	2.6	17
36	Polyvinyl Alcohol-Based 3D Printed Tablets: Novel Insight into the Influence of Polymer Particle Size on Filament Preparation and Drug Release Performance. Pharmaceuticals, 2021, 14, 418.	1.7	17

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37	QbD guided development of immediate release FDM-3D printed tablets with customizable API doses. International Journal of Pharmaceutics, 2022, 613, 121411.	2.6	17
38	A Screening Study for the Development of Simvastatin-Doxorubicin Liposomes, a Co-Formulation with Future Perspectives in Colon Cancer Therapy. Pharmaceutics, 2021, 13, 1526.	2.0	16
39	Assessment of a Potential Pharmacokinetic Interaction between Nebivolol and Bupropion in Healthy Volunteers. Pharmacology, 2016, 98, 190-198.	0.9	15
40	Formulation and pharmaceutical development of quetiapine fumarate sustained release matrix tablets using a QbD approach. Acta Pharmaceutica, 2017, 67, 53-70.	0.9	13
41	Liposomal simvastatin sensitizes C26 murine colon carcinoma to the antitumor effects of liposomal 5â€fluorouracil in vivo. Cancer Science, 2020, 111, 1344-1356.	1.7	13
42	The Influence of Formulation Factors on the Kinetic Release of Metoprolol Tartrate from Prolong Release Coated Minitablets. Drug Development and Industrial Pharmacy, 2007, 33, 1070-1077.	0.9	12
43	Formulation and evaluation of a water-in-oil cream containing herbal active ingredients and ferulic acid. Medicine and Pharmacy Reports, 2017, 90, 212-219.	0.2	12
44	Simultaneous Quantification of Paracetamol and Caffeine in Powder Blends for Tableting by NIR-Chemometry. Journal of Spectroscopy, 2017, 2017, 1-8.	0.6	12
45	Pharmaceutical Development of Liposomes Using the QbD Approach. , 2019, , .		12
46	Development of a Curcumin-Loaded Polymeric Microparticulate Oral Drug Delivery System for Colon Targeting by Quality-by-Design Approach. Pharmaceutics, 2020, 12, 1027.	2.0	12
47	Liposomal prednisolone phosphate potentiates the antitumor activity of liposomal 5-fluorouracil in C26 murine colon carcinomain vivo. Cancer Biology and Therapy, 2017, 18, 616-626.	1.5	11
48	Salinomycin-Based Drug Delivery Systems: Overcoming the Hurdles in Cancer Therapy. Pharmaceutics, 2021, 13, 1120.	2.0	11
49	Simultaneous quantification of l-Î±-phosphatidylcoline and cholesterol in liposomes using near infrared spectrometry and chemometry. Journal of Pharmaceutical and Biomedical Analysis, 2012, 63, 87-94.	1.4	10
50	Near Infra-Red spectroscopy for content uniformity of powder blends â€“ Focus on calibration set development, orthogonality transfer and robustness testing. Talanta, 2018, 188, 404-416.	2.9	10
51	An Electrochemical Strategy for the Simultaneous Detection of Doxorubicin and Simvastatin for Their Potential Use in the Treatment of Cancer. Biosensors, 2021, 11, 15.	2.3	10
52	Definition and validation of the Design Space for co-milled nasal powder containing nanosized lamotrigine. Drug Development and Industrial Pharmacy, 2018, 44, 1622-1630.	0.9	9
53	QbD APPROACH IN THE DEVELOPMENT OF ORAL LYOPHILISATES WITH IBUPROFEN FOR PAEDIATRIC USE. Farmacia, 2018, 66, 514-523.	0.1	9
54	APPLICATION OF THE QUALITY BY DESIGN CONCEPT IN THE DEVELOPMENT OF QUERCETIN-LOADED POLYMERIC NANOPARTICLES. Farmacia, 2018, 66, 798-810.	0.1	9

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55	Gemcitabine Direct Electrochemical Detection from Pharmaceutical Formulations Using a Boron-Doped Diamond Electrode. Pharmaceuticals, 2021, 14, 912.	1.7	8
56	In-Depth Understanding of Granule Compression Behavior under Variable Raw Material and Processing Conditions. Pharmaceutics, 2022, 14, 177.	2.0	8
57	Optimization of fluid bed formulations of metoprolol granules and tablets using an experimental design. Drug Development and Industrial Pharmacy, 2009, 35, 1072-1081.	0.9	7
58	High-Throughput NIR-Chemometric Method for Meloxicam Assay from Powder Blends for Tableting. Scientia Pharmaceutica, 2011, 79, 885-898.	0.7	7
59	Multivariate feed forward process control and optimization of an industrial, granulation based tablet manufacturing line using historical data. International Journal of Pharmaceutics, 2020, 591, 119988.	2.6	7
60	DEVELOPMENT OF MELOXICAM ORAL LYOPHILISATES: ROLE OF THERMAL ANALYSIS AND COMPLEMENTARY TECHNIQUES. Farmacia, 2019, 67, 56-67.	0.1	7
61	Antiproliferative and Antimicrobial Effects of Rosmarinus officinalis L. Loaded Liposomes. Molecules, 2022, 27, 3988.	1.7	7
62	Investigation of a Potential Pharmacokinetic Interaction Between Nebivolol and Fluvoxamine in Healthy Volunteers. Journal of Pharmacy and Pharmaceutical Sciences, 2017, 20, 68.	0.9	6
63	Influence of Mixed Additives on the Physicochemical Properties of a 5.25% Sodium Hypochlorite Solution: An Unsupervised Multivariate Statistical Approach. Journal of Endodontics, 2018, 44, 280-285.e3.	1.4	6
64	Optimization of the sonication process for meloxicam nanocrystals preparation. Medicine and Pharmacy Reports, 2015, 88, 366-372.	0.2	5
65	Testing the Limits of a Portable NIR Spectrometer: Content Uniformity of Complex Powder Mixtures Followed by Calibration Transfer for In-Line Blend Monitoring. Molecules, 2021, 26, 1129.	1.7	5
66	APPLYING THE PRINCIPLES OF QUALITY BY DESIGN (QBD) COUPLED WITH MULTIVARIATE DATA ANALYSIS (MVDA) IN ESTABLISHING THE IMPACT OF RAW MATERIAL VARIABILITY FOR EXTENDED RELEASE TABLETS. Farmacia, 2021, 69, 481-497.	0.1	5
67	THE EVALUATION OF DYNAMIC COMPACTION ANALYSIS AS A QBD TOOL FOR PAEDIATRIC ORODISPERSIBLE MINITABLET FORMULATION. Farmacia, 2020, 68, 999-1010.	0.1	5
68	Milk Oral Lyophilizates with Loratadine: Screening for New Excipients for Pediatric Use. Pharmaceutics, 2022, 14, 1342.	2.0	5
69	Quantification of ascorbic acid and sodium ascorbate in powder blends for tableting and in vitamin C chewable tablets by NIR-chemometry. Acta Pharmaceutica, 2013, 63, 373-384.	0.9	4
70	Piecewise function parameters as responses of the design of experiment in the development of a pulsatile release chronopharmaceutical system. Acta Pharmaceutica, 2016, 66, 173-189.	0.9	4
71	Development of a NIR Method for the In-Line Quantification of the Total Polyphenolic Content: A Study Applied on Ajuga genevensis L. Dry Extract Obtained in a Fluid Bed Process. Molecules, 2018, 23, 2152.	1.7	4
72	NIR spectroscopy for monitoring of the critical manufacturing steps and quality attributes of paliperidone prolonged release tablets. Journal of Molecular Structure, 2022, 1247, 131326.	1.8	4

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73	FORMULATION OF ORODISPERSIBLE TABLETS CONTAINING PARACETAMOL AND THEIR IN VITRO CHARACTERIZATION â€“ A QbD APPROACH. Farmacia, 2020, 68, 436-446.	0.1	4
74	Development and in vitro evaluation of multiparticulate sustained release carbamazepine formulation. Acta Poloniae Pharmaceutica, 2012, 69, 951-64.	0.3	4
75	Solid form of indapamide recrystallized from acetonitrile/diethyl ether solvent mixture. AIP Conference Proceedings, 2012, , .	0.3	3
76	THREE-DIMENSIONAL PRINTING BY FUSED DEPOSITION MODELING (3DP-FDM) IN PHARMACEUTICS. Farmacia, 2020, 68, 586-596.	0.1	3
77	A Quality by Design Approach in Pharmaceutical Development of Non-Viral Vectors with a Focus on miRNA. Pharmaceutics, 2022, 14, 1482.	2.0	3
78	Quality by Design Considerations for the Development of Lyophilized Products. , 2019, , 193-207.		2
79	DESIGN OF EXPERIMENTS APPROACH TO ASSESS THE IMPACT OF API PARTICLE SIZE ON FREEZE-DRIED BULKING AGENTS. Farmacia, 2021, 69, 279-289.	0.1	2
80	Application of the QbD Approach in the Development of a Liposomal Formulation with EGCG. Journal of Pharmaceutical Innovation, 0, , 1.	1.1	2
81	Development of enoxaparin sodium polymeric microparticles for colon-specific delivery. Medicine and Pharmacy Reports, 2015, 88, 357-365.	0.2	2
82	IN-LINE FLUID BED GRANULATION MONITORING BY NIR SPECTROSCOPY. METHOD DEVELOPMENT AND VALIDATION. Farmacia, 2019, 67, 248-257.	0.1	2
83	Optimization of metoprolol tartrate modified-release matrix tablet formulation using Eudragit NE as binder for metoprolol fluid bed granulation. Asian Journal of Pharmaceutics (discontinued), 2012, 6, 101.	0.4	1
84	Multivariate Calibration for the Development of Vibrational Spectroscopic Methods. , 2018, , .		1
85	Kinetics of Zolpidem and Its Metabolite after Single Dose Oral Administration. Studia Universitatis Babes-Bolyai Chemia, 2017, 62, 179-188.	0.1	1
86	PREPARATION AND IN VITRO EVALUATION OF FELODIPINELOADED POLY(Îµ-CAPROLACTONE) MICROSPHERES: QUALITY BY DESIGN APPROACH. Farmacia, 2019, 67, 670-683.	0.1	1
87	DEVELOPMENT, PHYSICAL-CHEMICAL CHARACTERIZATION AND IN VITRO ANTIBACTERIAL ACTIVITY EVALUATION OF A FIXED-DOSE COMBINATION ISOHYDRAFURAL-METHYLURACIL HYDROPHILIC OINTMENT. Farmacia, 2019, 67, 857-865.	0.1	1
88	QUANTITATIVE CHARACTERIZATION OF SUSTAINED RELEASE TABLETS WITH DICLOFENAC SODIUM BY MEANS OF NEAR-INFRARED SPECTROSCOPY AND CHEMOMETRY. Farmacia, 2020, 68, 728-739.	0.1	1
89	Formulation, preparation and in vitro - in vivo evaluation of compression-coated tablets for the colonic-specific release of ketoprofen. Brazilian Journal of Pharmaceutical Sciences, 2017, 53, .	1.2	0
90	Milk oral lyophilisates with loratadine: screening for new excipients for paediatric use. , 2021, , .		0

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91	Development of liposomal drug delivery system as a strategy for improving bioavailability and therapeutic efficacy, by Design of Experiments. , 2021, , .		0
92	Personalized Fused Deposition Modeling 3D printed (FDM-3DP) tablets: a Quality by Design (QbD) approach. , 2021, , .		0
93	Development of a reservoir type prolonged release system with felodipine via simplex methodology. Medicine and Pharmacy Reports, 2016, 89, 128-136.	0.2	0
94	Method optimization for enhanced bioactive compounds extraction from hazelnut (Corylus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50		0
95	QbD development of a liposomal co-formulation with Doxorubicin and Simvastatin for an enhanced antiproliferative effect on T47D-KBluc cell line. , 2020, , .		0
96	Multivariate modelling for investigating the impact of raw materials and process variability on high drug load immediate release tablets obtained through wet granulation. , 2020, , .		0
97	3D-printing by fused deposition modelling in pharmaceutics. , 2020, , .		0
98	Fused Deposition Modeling Three-Dimensional Printing (FDM-3DP) of Channelled Tablets with Ketoprofen. , 2020, , .		0