György Marosi

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Assessment of Recent Process Analytical Technology (PAT) Trends: A Multiauthor Review. Organic Process Research and Development, 2015, 19, 3-62.	2.7	329
2	Comparison of Electrospun and Extruded Soluplus®-Based Solid Dosage Forms of Improved Dissolution. Journal of Pharmaceutical Sciences, 2012, 101, 322-332.	3.3	185
3	High speed electrospinning for scaled-up production of amorphous solid dispersion of itraconazole. International Journal of Pharmaceutics, 2015, 480, 137-142.	5.2	155
4	Raman Spectroscopy for Process Analytical Technologies of Pharmaceutical Secondary Manufacturing. AAPS PharmSciTech, 2019, 20, 1.	3.3	126
5	Scaleâ€up of electrospinning technology: Applications in the pharmaceutical industry. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2020, 12, e1611.	6.1	120
6	Solvent-Free Melt Electrospinning for Preparation of Fast Dissolving Drug Delivery System and Comparison with Solvent-Based Electrospun and Melt Extruded Systems. Journal of Pharmaceutical Sciences, 2013, 102, 508-517.	3.3	117
7	The applicability of pharmaceutical polymeric blends for the fused deposition modelling (FDM) 3D technique: Material considerations–printability–process modulation, with consecutive effects on in vitro release, stability and degradation. European Journal of Pharmaceutical Sciences, 2019, 129, 110-123.	4.0	106
8	Flax fibre reinforced PLA/TPS biocomposites flame retarded with multifunctional additive system. Polymer Degradation and Stability, 2014, 106, 63-73.	5.8	90
9	Flame retardancy study on magnesium hydroxide associated with clays of different morphology in polypropylene matrix. Polymers for Advanced Technologies, 2008, 19, 693-700.	3.2	84
10	Development of natural fibre reinforced flame retarded epoxy resin composites. Polymer Degradation and Stability, 2015, 119, 68-76.	5.8	82
11	In-line Raman spectroscopic monitoring and feedback control of a continuous twin-screw pharmaceutical powder blending and tableting process. International Journal of Pharmaceutics, 2017, 530, 21-29.	5.2	82
12	Comparison of chemometric methods in the analysis of pharmaceuticals with hyperspectral Raman imaging. Journal of Raman Spectroscopy, 2011, 42, 1977-1986.	2.5	80
13	Drying technology strategies for colon-targeted oral delivery of biopharmaceuticals. Journal of Controlled Release, 2019, 296, 162-178.	9.9	74
14	Integrated Continuous Pharmaceutical Technologies—A Review. Organic Process Research and Development, 2021, 25, 721-739.	2.7	72
15	Polymer-free and polyvinylpirrolidone-based electrospun solid dosage forms for drug dissolution enhancement. European Journal of Pharmaceutical Sciences, 2013, 49, 595-602.	4.0	66
16	Melt-Blown and Electrospun Drug-Loaded Polymer Fiber Mats for Dissolution Enhancement: A Comparative Study. Journal of Pharmaceutical Sciences, 2015, 104, 1767-1776.	3.3	66
17	Plasticized Drugâ€Loaded Melt Electrospun Polymer Mats: Characterization, Thermal Degradation, and Release Kinetics. Journal of Pharmaceutical Sciences, 2014, 103, 1278-1287.	3.3	60
18	Continuous end-to-end production of solid drug dosage forms: Coupling flow synthesis and formulation by electrospinning. Chemical Engineering Journal, 2018, 350, 290-299.	12.7	57

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19	Application of artificial neural networks for Process Analytical Technology-based dissolution testing. International Journal of Pharmaceutics, 2019, 567, 118464.	5.2	52
20	Flame retarded self-reinforced poly(lactic acid) composites of outstanding impact resistance. Composites Part A: Applied Science and Manufacturing, 2015, 70, 27-34.	7.6	51
21	Raman microscopic evaluation of technology dependent structural differences in tablets containing imipramine model drug. Journal of Pharmaceutical and Biomedical Analysis, 2010, 51, 30-38.	2.8	50
22	Applications of machine vision in pharmaceutical technology: A review. European Journal of Pharmaceutical Sciences, 2021, 159, 105717.	4.0	50
23	Electroblowing and electrospinning of fibrous diclofenac sodium-cyclodextrin complex-based reconstitution injection. Journal of Drug Delivery Science and Technology, 2015, 26, 28-34.	3.0	49
24	Alternating current electrospinning for preparation of fibrous drug delivery systems. International Journal of Pharmaceutics, 2015, 495, 75-80.	5.2	49
25	Progress in interface modifications: from compatibilization to adaptive and smart interphases. European Polymer Journal, 2005, 41, 697-705.	5.4	48
26	Characterization of melt extruded and conventional Isoptin formulations using Raman chemical imaging and chemometrics. International Journal of Pharmaceutics, 2011, 419, 107-113.	5.2	47
27	Implementation of Raman Signal Feedback to Perform Controlled Crystallization of Carvedilol. Organic Process Research and Development, 2013, 17, 493-499.	2.7	47
28	Continuous alternative to freeze drying: Manufacturing of cyclodextrin-based reconstitution powder from aqueous solution using scaled-up electrospinning. Journal of Controlled Release, 2019, 298, 120-127.	9.9	47
29	Comparison of spray drying, electroblowing and electrospinning for preparation of Eudragit E and itraconazole solid dispersions. International Journal of Pharmaceutics, 2015, 494, 23-30.	5.2	44
30	AC and DC electrospinning of hydroxypropylmethylcellulose with polyethylene oxides as secondary polymer for improved drug dissolution. International Journal of Pharmaceutics, 2016, 505, 159-166.	5.2	44
31	Immobilization engineering – How to design advanced sol–gel systems for biocatalysis?. Green Chemistry, 2017, 19, 3927-3937.	9.0	44
32	Controlled-release solid dispersions of Eudragit® FS 100 and poorly soluble spironolactone prepared by electrospinning and melt extrusion. European Polymer Journal, 2017, 95, 406-417.	5.4	42
33	End-to-end continuous manufacturing of conventional compressed tablets: From flow synthesis to tableting through integrated crystallization and filtration. International Journal of Pharmaceutics, 2020, 581, 119297.	5.2	42
34	Real-time release testing of dissolution based on surrogate models developed by machine learning algorithms using NIR spectra, compression force and particle size distribution as input data. International Journal of Pharmaceutics, 2021, 597, 120338.	5.2	42
35	Corona alternating current electrospinning: A combined approach for increasing the productivity of electrospinning. International Journal of Pharmaceutics, 2019, 561, 219-227.	5.2	39
36	Use of reactive surfactants in basalt fiber reinforced polypropylene composites. Macromolecular Symposia, 2003, 202, 255-268.	0.7	38

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37	Bioimprinted lipases in PVA nanofibers as efficient immobilized biocatalysts. Tetrahedron, 2016, 72, 7335-7342.	1.9	38
38	Electrospun polylactic acid and polyvinyl alcohol fibers as efficient and stable nanomaterials for immobilization of lipases. Bioprocess and Biosystems Engineering, 2016, 39, 449-459.	3.4	38
39	Challenges in Detecting Magnesium Stearate Distribution in Tablets. AAPS PharmSciTech, 2013, 14, 435-444.	3.3	37
40	Real-time feedback control of twin-screw wet granulation based on image analysis. International Journal of Pharmaceutics, 2018, 547, 360-367.	5.2	36
41	Testing the performance of pure spectrum resolution from Raman hyperspectral images of differently manufactured pharmaceutical tablets. Analytica Chimica Acta, 2012, 712, 45-55.	5.4	34
42	Comparison of additive and reactive phosphorus-based flame retardants in epoxy resins. Periodica Polytechnica: Chemical Engineering, 2013, 57, 85.	1.1	34
43	Characterization of drug–cyclodextrin formulations using Raman mapping and multivariate curve resolution. Journal of Pharmaceutical and Biomedical Analysis, 2011, 56, 38-44.	2.8	33
44	Complex activity of clay and CNT particles in flame retarded EVA copolymer. Polymers for Advanced Technologies, 2006, 17, 255-262.	3.2	32
45	Preparation and comparison of spray dried and electrospun bioresorbable drug delivery systems. European Polymer Journal, 2015, 68, 671-679.	5.4	32
46	Synthesis and characterization of biobased epoxy monomers derived from d-glucose. European Polymer Journal, 2015, 67, 375-382.	5.4	32
47	Investigation of drug distribution in tablets using surface enhanced Raman chemical imaging. Journal of Pharmaceutical and Biomedical Analysis, 2013, 76, 145-151.	2.8	31
48	Green synthesis and characterization of phosphorus flame retardant crosslinking agents for epoxy resins. Journal of Applied Polymer Science, 2014, 131, .	2.6	31
49	Lubricant-Induced Crystallization of Itraconazole From Tablets Made of Electrospun Amorphous Solid Dispersion. Journal of Pharmaceutical Sciences, 2016, 105, 2982-2988.	3.3	31
50	Continuous manufacturing of orally dissolving webs containing a poorly soluble drug via electrospinning. European Journal of Pharmaceutical Sciences, 2019, 130, 91-99.	4.0	29
51	Digital UV/VIS imaging: A rapid PAT tool for crushing strength, drug content and particle size distribution determination in tablets. International Journal of Pharmaceutics, 2020, 578, 119174.	5.2	29
52	Self-extinguishing polypropylene with a mass fraction of 9% intumescent additiveÂ- A new physical way for enhancing the fire retardant efficiency. Polymer Degradation and Stability, 2013, 98, 79-86.	5.8	28
53	Novel Alternating Current Electrospinning of Hydroxypropylmethylcellulose Acetate Succinate (HPMCAS) Nanofibers for Dissolution Enhancement: The Importance of Solution Conductivity. Journal of Pharmaceutical Sciences, 2017, 106, 1634-1643.	3.3	28
54	Flame retardancy of microcellular poly(lactic acid) foams prepared by supercritical CO2-assisted extrusion. Polymer Degradation and Stability, 2018, 153, 100-108.	5.8	28

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55	In-Line Monitoring of Carvedilol Crystallization Using Raman Spectroscopy. Crystal Growth and Design, 2012, 12, 5621-5628.	3.0	27
56	Development of flame retarded self-reinforced composites from automotive shredder plastic waste. Polymer Degradation and Stability, 2012, 97, 221-227.	5.8	27
57	Development and tableting of directly compressible powder from electrospun nanofibrous amorphous solid dispersion. Advanced Powder Technology, 2017, 28, 1554-1563.	4.1	27
58	Fast, Spectroscopy-Based Prediction of In Vitro Dissolution Profile of Extended Release Tablets Using Artificial Neural Networks. Pharmaceutics, 2019, 11, 400.	4.5	27
59	Electrospun amorphous solid dispersions of meloxicam: Influence of polymer type and downstream processing to orodispersible dosage forms. International Journal of Pharmaceutics, 2019, 569, 118593.	5.2	27
60	3D floating tablets: Appropriate 3D design from the perspective of different in vitro dissolution testing methodologies. International Journal of Pharmaceutics, 2019, 567, 118433.	5.2	27
61	Development of Bioepoxy Resin Microencapsulated Ammonium-Polyphosphate for Flame Retardancy of Polylactic Acid. Molecules, 2019, 24, 4123.	3.8	27
62	Surface treated cellulose fibres in flame retarded PP composites. Macromolecular Symposia, 2003, 202, 245-254.	0.7	26
63	Use of supercritical CO ₂ â€aided and conventional melt extrusion for enhancing the dissolution rate of an active pharmaceutical ingredient. Polymers for Advanced Technologies, 2012, 23, 909-918.	3.2	25
64	Predicting final product properties of melt extruded solid dispersions from process parameters using Raman spectrometry. Journal of Pharmaceutical and Biomedical Analysis, 2014, 98, 166-177.	2.8	25
65	Application of Melt-Blown Poly(lactic acid) Fibres in Self-Reinforced Composites. Polymers, 2018, 10, 766.	4.5	25
66	Scaled-Up Production and Tableting of Grindable Electrospun Fibers Containing a Protein-Type Drug. Pharmaceutics, 2019, 11, 329.	4.5	24
67	Reduced carbonic fluids in mafic granulite xenoliths from the Bakony–Balaton Highland Volcanic Field, W-Hungary. Chemical Geology, 2005, 223, 93-108.	3.3	23
68	Oral bioavailability enhancement of flubendazole by developing nanofibrous solid dosage forms. Drug Development and Industrial Pharmacy, 2017, 43, 1126-1133.	2.0	22
69	Silylation of wood for potential protection against biodegradation. An ATR-FTIR, ESCA and contact angle study. Polymers for Advanced Technologies, 2003, 14, 790-795.	3.2	21
70	Continuous drying of a protein-type drug using scaled-up fiber formation with HP-β-CD matrix resulting in a directly compressible powder for tableting. European Journal of Pharmaceutical Sciences, 2020, 141, 105089.	4.0	21
71	Modeling of pharmaceutical filtration and continuous integrated crystallization-filtration processes. Chemical Engineering Journal, 2021, 413, 127566.	12.7	21
72	Microfibrous cyclodextrin boosts flame retardancy of poly(lactic acid). Polymer Degradation and Stability, 2021, 191, 109655.	5.8	21

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73	XPS analysis of zinc hydroxystannate-coated hydrated fillers. Surface and Interface Analysis, 2002, 34, 735-739.	1.8	20
74	Stable formulation of proteinâ€ŧype drug in electrospun polymeric fiber followed by tableting and scalingâ€up experiments. Polymers for Advanced Technologies, 2015, 26, 1461-1467.	3.2	20
75	Flame Retardancy of Carbon Fibre Reinforced Sorbitol Based Bioepoxy Composites with Phosphorus-Containing Additives. Materials, 2017, 10, 467.	2.9	20
76	Continuous Formulation Approaches of Amorphous Solid Dispersions: Significance of Powder Flow Properties and Feeding Performance. Pharmaceutics, 2019, 11, 654.	4.5	20
77	Enhanced conductivity composites for aircraft applications: carbon nanotube inclusion both in epoxy matrix and in carbonized electrospun nanofibers. Polymers for Advanced Technologies, 2014, 25, 981-988.	3.2	19
78	Comparison of multivariate linear regression methods in micro-Raman spectrometric quantitative characterization. Journal of Raman Spectroscopy, 2015, 46, 566-576.	2.5	19
79	Spectroscopic characterization of tablet properties in a continuous powder blending and tableting process. European Journal of Pharmaceutical Sciences, 2018, 123, 10-19.	4.0	19
80	Preparation of Low-Density Microcellular Foams from Recycled PET Modified by Solid State Polymerization and Chain Extension. Journal of Polymers and the Environment, 2019, 27, 343-351.	5.0	19
81	Flame retardancy of biocomposites based on thermoplastic starch. Polimery, 2013, 58, 385-394.	0.7	19
82	Flame Retardancy of Sorbitol Based Bioepoxy via Combined Solid and Gas Phase Action. Polymers, 2016, 8, 322.	4.5	17
83	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.	5.2	17
84	Process Design of Continuous Powder Blending Using Residence Time Distribution and Feeding Models. Pharmaceutics, 2020, 12, 1119.	4.5	17
85	Effects of thermal annealing and solvent-induced crystallization on the structure and properties of poly(lactic acid) microfibres produced by high-speed electrospinning. Journal of Thermal Analysis and Calorimetry, 2020, 142, 581-594.	3.6	17
86	Realâ€ŧime amino acid and glucose monitoring system for the automatic control of nutrient feeding in CHO cell culture using Raman spectroscopy. Biotechnology Journal, 2022, 17, e2100395.	3.5	17
87	A study on the selective phosphorylation and phosphinylation of hydroxyphenols. Heteroatom Chemistry, 2002, 13, 126-130.	0.7	16
88	Videometric mass flow control: A new method for real-time measurement and feedback control of powder micro-feeding based on image analysis. International Journal of Pharmaceutics, 2020, 580, 119223.	5.2	16
89	Fire retarded polymer nanocomposites. Current Applied Physics, 2006, 6, 259-261.	2.4	15
90	Effect of Particle Size of Additives on the Flammability and Mechanical Properties of Intumescent Flame Retarded Polypropylene Compounds. International Journal of Polymer Science, 2015, 2015, 1-7.	2.7	15

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91	Homogenization of Amorphous Solid Dispersions Prepared by Electrospinning in Low-Dose Tablet Formulation. Pharmaceutics, 2018, 10, 114.	4.5	14
92	Frequency and waveform dependence of alternating current electrospinning and their uses for drug dissolution enhancement. International Journal of Pharmaceutics, 2020, 586, 119593.	5.2	14
93	Development of a triple impinging jet mixer for continuous antisolvent crystallization of acetylsalicylic acid reaction mixture. Chemical Engineering and Processing: Process Intensification, 2021, 165, 108446.	3.6	13
94	Dynamic flowsheet model development and digital design of continuous pharmaceutical manufacturing with dissolution modeling of the final product. Chemical Engineering Journal, 2021, 419, 129947.	12.7	13
95	Fire Retarded Insulating Sheets from Recycled Materials. Macromolecular Symposia, 2006, 233, 217-224.	0.7	12
96	Synthesis of an Aza Chiral Crown Ether Grafted to Nanofibrous Silica Support and Application in Asymmetric Michael Addition. Journal of Inorganic and Organometallic Polymers and Materials, 2014, 24, 713-721.	3.7	12
97	Key Role of Reinforcing Structures in the Flame Retardant Performance of Self-Reinforced Polypropylene Composites. Polymers, 2016, 8, 289.	4.5	12
98	Quantification and handling of nonlinearity in Raman micro-spectrometry of pharmaceuticals. Journal of Pharmaceutical and Biomedical Analysis, 2016, 128, 236-246.	2.8	12
99	Direct Processing of a Flow Reaction Mixture Using Continuous Mixed Suspension Mixed Product Removal Crystallizer. Crystal Growth and Design, 2020, 20, 4433-4442.	3.0	12
100	Comparison of Amorphous Solid Dispersions of Spironolactone Prepared by Spray Drying and Electrospinning: The Influence of the Preparation Method on the Dissolution Properties. Molecular Pharmaceutics, 2021, 18, 317-327.	4.6	12
101	Solvent effect on the vibrational spectra of Carvedilol. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 95, 148-164.	3.9	11
102	Effect of phosphorus flame retardants on the flammability of sugar-based bioepoxy resin. Phosphorus, Sulfur and Silicon and the Related Elements, 2019, 194, 309-312.	1.6	11
103	Digital twin of low dosage continuous powder blending – Artificial neural networks and residence time distribution models. European Journal of Pharmaceutics and Biopharmaceutics, 2021, 169, 64-77.	4.3	11
104	Self-extinguishing polypropylene with a mass fraction of 9% intumescent additive II – Influence of highly oriented fibres. Polymer Degradation and Stability, 2013, 98, 2445-2451.	5.8	10
105	Flame retarded selfâ€reinforced polypropylene composites prepared by injection moulding. Polymers for Advanced Technologies, 2018, 29, 433-441.	3.2	10
106	Monoclonal antibody formulation manufactured by high-speed electrospinning. International Journal of Pharmaceutics, 2020, 591, 120042.	5.2	10
107	Quantification of low drug concentration in model formulations with multivariate analysis using surface enhanced Raman chemical imaging. Journal of Pharmaceutical and Biomedical Analysis, 2015, 107, 318-324.	2.8	9
108	Effect of ultrasound-assisted crystallization in the diastereomeric salt resolution of tetramisole enantiomers in ternary system with O,O′-dibenzoyl-(2R,3R)-tartaric acid. Ultrasonics Sonochemistry, 2016, 32, 8-17.	8.2	9

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109	Variable clustering and spectral angle mapperâ€orthogonal projection method for Raman mapping of compound detection in tablets. Journal of Chemometrics, 2017, 31, e2861.	1.3	9
110	Continuous blending monitored and feedback controlled by machine vision-based PAT tool. Journal of Pharmaceutical and Biomedical Analysis, 2021, 196, 113902.	2.8	9
111	Structural Characteristics and Permeability of Ethyl Cellulose Films Containing Different Plasticizers. Macromolecular Symposia, 2006, 239, 105-113.	0.7	8
112	Non-destructive characterisation of all-polypropylene composites using small angle X-ray scattering and polarized Raman spectroscopy. Composites Part A: Applied Science and Manufacturing, 2018, 114, 250-257.	7.6	8
113	Novel 2-phosphabicyclo[2.2.2]oct-5-ene derivatives and their use in phosphinylations. Heteroatom Chemistry, 2004, 15, 97-106.	0.7	7
114	Effect of supercritical CO ₂ plasticization on the degradation and residual crystallinity of melt-extruded spironolactone. Polymers for Advanced Technologies, 2014, 25, 1135-1144.	3.2	7
115	Pharmaceutical and Macromolecular Technologies in the Spirit of Industry 4.0. Periodica Polytechnica: Chemical Engineering, 2018, 62, .	1.1	7
116	Medicated Straws Based on Electrospun Solid Dispersions. Periodica Polytechnica: Chemical Engineering, 2018, 62, 310-316.	1.1	7
117	Continuous downstream processing of milled electrospun fibers to tablets monitored by near-infrared and Raman spectroscopy. European Journal of Pharmaceutical Sciences, 2021, 164, 105907.	4.0	7
118	In-line particle size measurement based on image analysis in a fully continuous granule manufacturing line for rapid process understanding and development. International Journal of Pharmaceutics, 2022, 612, 121280.	5.2	6
119	Improving thermal and flame retardant properties of sorbitolâ€based bioepoxy systems by <scp>phosphorusâ€based</scp> flame retardants. Fire and Materials, 2022, 46, 605-614.	2.0	5
120	Development of Intumescent Flame Retardant for Polypropylene: Bio-epoxy Resin Microencapsulated Ammonium-polyphosphate. Periodica Polytechnica: Chemical Engineering, 0, , .	1.1	4
121	Implementation of sonicated continuous plug flow crystallization technology for processing of acetylsalicylic acid reaction mixture. Powder Technology, 2022, 400, 117255.	4.2	4
122	Controlled technology for forming a nanostructured polymer coating for solid pharmaceuticals. Polymers for Advanced Technologies, 2006, 17, 884-888.	3.2	3
123	Flame retardancy effect of melamine cyanurate in combination with aluminum diethylphosphinate in a fully waterborne epoxy system. Phosphorus, Sulfur and Silicon and the Related Elements, 2022, 197, 574-578.	1.6	3
124	Controlled Formation of Freeâ€Flowing Carvedilol Particles in the Presence of Polyvinylpyrrolidone. Chemical Engineering and Technology, 2014, 37, 249-256.	1.5	2
125	Interfaces in Multiphase Polymers and Nanomedicines. Materials Science Forum, 0, 714, 211-215.	0.3	1

126 The Synthesis of Bioâ€Based Flameâ€Retarded Epoxyâ€Precursors. Macromolecular Symposia, 2015, 352, 46-50. 0.7 1

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127	Development of a Continuous Crystallization Process of the Spironolactone Hydrate Form with a Turbidity-Based Level Control Method. Organic Process Research and Development, 2021, 25, 760-768.	2.7	1
128	Powder filling of electrospun material in vials: A proof-of-concept study. International Journal of Pharmaceutics, 2022, 613, 121413.	5.2	1
129	Flame retardancy of PET foams manufactured from bottle waste. Journal of Thermal Analysis and Calorimetry, 2023, 148, 217-228.	3.6	1
130	Phosphorylated and Phosphinylated Hydroxy Phenols as Flame Retardant Components. Phosphorus, Sulfur and Silicon and the Related Elements, 2002, 177, 1993-1993.	1.6	0
131	EgyenÃįramð és vÃįltóÃįramð elektrosztatikus szÃįlképzési eljÃįrÃįsok gyógyszertechnológiai alkalr 2020, , .	nazæsa.,	0