

**Публикации авторов КАТУ в изданиях с наибольшим индексом цитирования (Квартиль - Q1 – Q2)
в базе данных Web of Science (Clarivate) за 2022 г.**

	Article title	KATU Authors	Source title	Impact Factor	Citation
1.	Understanding how electron beam irradiation doses and frequencies modify the multiscale structure, physicochemical properties, and in vitro digestibility of potato starch	Ospankulova, Gulnazym Muratkhan, Marat	FOOD RESEARCH INTERNATIONAL	2021 7.425 Q1	0
2.	The Steppe Elite of the Kazakhs of the Junior Horde in the Period of Vassalage: New Approaches and Problems of Rethinking	DzhumagaliyevaKul yash	BYLYE GODY	2021 1.89 Q1	0
3.	Design and testing of novel seed loss prevention system for single seed precision metering devices	Zagainov, Nikolay Nikolay, Kostyuchenkov	COMPUTERS AND ELECTRONICS IN AGRICULTURE	2021 6.757 Q1	0
4.	The Method of Calculating Ploughshares Durability in Agricultural Machines Verified on Plasma-Hardened Parts	Gulyarenko, Alexandr	AGRICULTURE-BASEL	2021 3.408 Q1	1
5.	The History of the Construction of Railways in Siberia and the Steppe (Kazakh) Region: the Contribution of the Merchants to the Development of the Railway Line in the late XIX - early XX centuries	Gabdulina, Ainur Zh. Abisheva, Zhanat R.	BYLYE GODY	2021 1.89 Q1	0
6.	Mathematical modeling of the rheological behavior of thermoplastic slurry in the molding process of beryllium ceramics	Nussupbek, Zh. T.	CERAMICS INTERNATIONAL	2021 5.532 Q1	0
7.	Wheat dwarf genes Rht12 and Rht-B1b affected the performance of agronomic traits in hexaploid triticale	Zotova, Lyudmila	AGRONOMY JOURNAL	2021 0.86 Q1	0
8.	Construction of drought stress regulation networks in potato based on SMRT and RNA sequencing data	Khassanov, Vadim	BMC PLANT BIOLOGY	2021 5.26 Q1	0
9.	Simplified 4-DOF manipulator for rapid robotic apple harvesting	Sugirbay, A	COMPUTERS AND ELECTRONICS IN AGRICULTURE	2021 6.757 Q1	0
10.	The exogenous GA(3) greatly affected the grain-filling process of semi-dwarf gene Rht4 in bread wheat	Jatayev, Satyvaldy	Plant sciences	2021 5.081 Q1	0
11.	Impact of Climate Change on Food Security in Kazakhstan	Toktarbek, S	Agronomy	2021 3.408 Q1	1
12.	Integrated microalgal biorefinery - Routes, energy, economic and environmental perspectives	Mukhambet, Y	Engineering, environmental	2021 11.072 Q1	22
13.	Height to first pod: A review of genetic and breeding approaches	Kuzbakova, M	Plant sciences	2021 6.627	0

	to improve combine harvesting in legume crops			Q1	
14.	Foot-and-mouth disease in Kazakhstan	Tyulegenov, S. B.	Veterinary sciences	2021 4.521 Q1	0
15.	A Study on the Calibration of Wheat Seed Interaction Properties Based on the Discrete Element Method	Sugirbay, A Mustafin, Z Iskakov, R, Mukhamed, B	Agronomy	2021 3.408 Q1	0
16.	Identification of Quantitative Trait Loci for Leaf Rust and Stem Rust Seedling Resistance in Bread Wheat Using a Genome-Wide Association Study	Savin, Timur	PLANTS-BASEL	2021 4.658 Q1	2
17.	Development of Sustainable Production of Rainfed Winter Wheat with No-Till Technologies in Southern Kazakhstan	Kekilbayeva, Gulnur, Kenzhegulova, Sayagul	AGRONOMY-BASEL	2021 3.949 Q1	0
18.	Environmental Dynamics of the Ribbon-Like Pine Forests in the Parklands of North Kazakhstan	Zhumadina, Sholpan, Satybaldieva, Gulmira, Nurbayeva, Nailya	FORESTS	2021 3.282 Q1	1
19.	Risk factors associated with lumpy skin disease in cattle in West Kazakhstan	Zhanabayev, Assylbek, Paritova, Assel, Ussenbayev, Altay, Kemeshov, Zhomart, Baikadamova, Gulnara,	PREVENTIVE VETERINARY MEDICINE	2021 3.372 Q1	1
20.	Variation of Macro- and Microelements, and Trace Metals in Spring Wheat Genetic Resources in Siberia	Savin, T.	PLANTS-BASEL	2021 4.658 Q1	3
21.	Prevalence of Clostridium perfringens and Detection of Its Toxins in Meat Products in Selected Areas of West Kazakhstan	Yeszhanova, Gulzhan	AGRICULTURE- BASEL	2021 3.408 Q1	0
22.	Genetic Characterization of Spring Wheat Germplasm for Macro-, Microelements and Trace Metals	Savin, T.	PLANTS-BASEL	2021 4.658 Q1	0
23.	Developments and prospects for doubled haploid wheat	Bekkuzhina, Sara. Jatayev, Satyvaldy	BIOTECHNOLOGY ADVANCES	2021 17.681 Q1	2
24.	Combined In Silico and Experimental Investigations of Resveratrol Encapsulation by Beta-Cyclodextrin	Iskineyeva, Ainara.	PLANTS-BASEL	2021 4.658 Q1	1
25.	Muslim Educational Institutions in Kazakhstan under the Anti-Religious Policy of the Soviet State in the 1920s	Alpyspaeva, GA Abdykarimova, ST	EUROPEAN JOURNAL OF CONTEMPORARY EDUCATION	2021- 1.14 Q2	0
26.	Hematological, biochemical, and serological parameters of experimentally infected rabbits	Akibekov, OS Syzykova, AS Lider, LA Zhumalin,	VETERINARY WORLD	2021- 0.71 Q2	0

	with <i>Trichinellanativa</i> and <i>Trichinellaspidualis</i> for early identification of trichinellosis	AK Baibolin, ZK Zhagipar, FS Akanova, ZZ Ibzhanova, AA Gajimuradova, AM			
27.	Genetic diversity of <i>Echinococcus</i> spp. in wild carnivorous animals in Kazakhstan	Uakhit, R Smagulova, A Syzdykova, A Abdrakhmanov, S Kiyani, V	VETERINARY WORLD	2021-0.71 Q2	0
28.	PERFORMANCE EVALUATION OF TILLAGE KNIFE DISCHARGE MICROCHANNEL	Tanbayev, K Nukeshev, S Sugirbay, A	TECHNOLOGICA AGRICULTURAE	2021-0.43 Q2	0
29.	Effect of thioredoxin on the immunogenicity of the recombinant P32 protein of lumpy skin disease virus	Tursunov, K Tokhtarova, L Kanayev, D Mustafina, R Mukantayev, K	VETERINARY WORLD	2021-0.71 Q2	0
30.	Improvement of Signal Reception Reliability at Satellite Spectrum Monitoring System	Aigul, K Altay, A Yevgeniya, D Bekbolat, M Zhadyra, O	IEEE ACCESS	2021-3.476 Q2	0
31.	The History of the Construction of Railways in Siberia and the Steppe (Kazakh) Region: the Contribution of the Merchants to the Development of the Railway Line in the late XIX - early XX centuries	Gabdulina, AZ Turkhanova, AZ Kurmanbayeva, LT Abisheva, ZR	BYLYE GODY	2021-1.89 Q1	0
32.	Construction of drought stress regulation networks in potato based on SMRT and RNA sequencing data	Jian, HJ Sun, HN Liu, RR Zhang, WZ Shang, LN Wang, JC Khassanov, V Lyu, DQ	BMC PLANT BIOLOGY	2021-5.26 Q1	0
33.	Comparison of Snow Indices in Assessing Snow Cover Depth in Northern Kazakhstan	Teleubay, Z Yermekov, F Tokbergenov, I Toleubekova, Z Igilmanov, A Yermekova, Z Assylkhanova, A	SUSTAINABILITY	2021-3.889 Q2	0
34.	The exogenous GA(3) greatly affected the grain-filling process of semi-dwarf gene Rht4 in bread wheat	Lu, QM Lu, S Wang, M Cui, CG Condon, AG Jatayev, S Chen, L Hu, YG	PHYSIOLOGIA PLANTARUM	2021-5.081 Q1	0
	Research on the Coordination between Agricultural Production and Environmental Protection in Kazakhstan Based on the Rationality of the Objective Weighting Method	Wang, DM Li, Toktarbek, S Jiakula, N Ma, P Feng, YZ	SUSTAINABILITY	2021-3.889 Q2	3
35.	Treated livestock wastewater influence on soil quality and possibilities of crop irrigation	Mukhametov, A Kondrashev, S Zvyagin, G Spitsov, D	SAUDI JOURNAL OF BIOLOGICAL SCIENCES	2021-4.052 Q2	1

36.	Limiting Factors and Environmental Adaptability for Staple Crops in Kazakhstan	Wang, DM Gao, GX Li, RL Toktarbek, S Jiakula, N Feng, YZ	SUSTAINABILITY	2021-3.889 Q2	0
37.	Investigation of the Properties of Metallurgical Slags and Dust of Electro Filters to Obtain Protective Anticorrosive Coatings	Serekpayeva, M Niyazbekova, R Al Azzam, KM Negim, E Yeleussizova, A Ibzhanova, A	INTERNATIONAL JOURNAL OF TECHNOLOGY	2021-0.41 Q2	0
38.	The Spatial Distribution of Soil Nitrogen Storage and the Factors That Influence It in Central Asia's Typical Arid and Semiarid Grasslands	Chen, YS Zhang, SH Wang, YD Abzhanov, T Sarsekova, D Zhumabekova, Z	DIVERSITY-BASEL	2021-3.031 Q2	0
39.	Integrated microalgalbiorefinery - Routes, energy, economic and environmental perspectives	Wang, S Mukhambet, Y I. Esakkimuthu, S Abomohra, A	JOURNAL OF CLEANER PRODUCTION	2021-11.072 Q2	22
40.	Impacts of automatic and parallel driving systems on the productivity of machine-tractor units in the northern region of the republic of kazachstan	Polishchuk, YV Astafyev, VL Derepaskin, AI Kostyuchenkov, N.V Laptev, NV Komarov, AP	ACTA TECHNOLOGICA AGRICULTURAE	2021-0.43 Q2	2
41.	Analysis of Reconstructed Modified Symmetric Teleparallel f(Q) Gravity	Myrzakulov, N Shekh, SH Mussatayeva, A Koussour, M	FRONTIERS IN ASTRONOMY AND SPACE SCIENCES	2021-4.055 Q2	2
42.	Design and evaluation of a robotic apple harvester using optimized picking patterns	Bu, LX Chen, CK Hu, GR Sugirbay, A Sun, HX Chen, J	COMPUTERS AND ELECTRONICS IN AGRICULTURE	2021-6.757 Q2	0
43.	Production of ammonium nitrate with nanoporous structure: the influence of technological parameters on quality of granules	Artyukhov, A Volk, Krmela, J Chernenko, A Ospanov, D	INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY	2021-3.563 Q2	0
44.	Methodological Foundations of the Risk of the Stock Markets of Developed and Developing Countries in the Conditions of the Crisis	Burkaltseva, D Niyazbekova, S Borsch, L Jallal, MAK Apatova, N Nurpeisova, A Semenov, A Zhansagimova, A	JOURNAL OF RISK AND FINANCIAL MANAGEMENT	2021-0.95 Q2	0
45.	Environmental Dynamics of the Ribbon-Like Pine Forests in the Parklands of North Kazakhstan	Zhumadina, S Chlachula, J Zhaglovskaya-Faurat, A Czerniawska, J Satybaldieva, G Nurbayeva, N Mapitov, N	FORESTS	2021-3.282 Q2	1

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46.	Fiber-Optic System for Monitoring Pressure Changes on Mine Support Elements	Yugay, V Mekhtiyev, A Madi, P Neshina, Y Gazizov, F Afanaseva, O Ilyashenko, S	SENSORS	2021-3.847 Q2	0
47.	Assessment of the Development of the Stock Market in the Russian Federation in a Crisis	Burkaltseva, D Niyazbekova, S Blazhevich, O Jallal, MAK Reutov, V Yanova, S Dyatel, V Mihaylova, D Klochkova, E Brovkina, N Nurpeisova, A Yessymhanova, Z	JOURNAL OF RISK AND FINANCIAL MANAGEMENT	2021-0.95 Q2	0
48.	The Study of Mathematical Models and Algorithms for Face Recognition in Images Using Python in Proctoring System	Nurpeisova, A Shaushenova, A Mutalova, Z Zulpykhar, Z Ongarbayeva, M Niyazbekova, S Semenov, A Maisigova, L	COMPUTATION	2021-0.7 Q2	0
49.	Bioinformatics and genetic variants analysis of FGF10 gene promoter with their association at carcass quality and body measurement traits in Qinchuan beef cattle	Nurgulsim, K Khan, R Raza, SHA Ayari-Akkari, A Jeridi, M Ahmad, I Arain, UM Abd El-Aziz, AH Khan, H Zan, LS	ANIMAL BIOTECHNOLOGY	2021-2.141 Q2	0
50.	Developments and prospects for doubled haploid wheat	Eliby, S Bekkuzhina, S Kishchenko, O Iskakova, G Kylyshbayeva, G Jatayev, S Soole, K Langridge, P Borisjuk, N Shavrukov, Y	BIOTECHNOLOGY ADVANCES	2021-0.59 Q2	0
51.	Effects of environments and cultivars on grain ionome of spring wheat grown in Kazakhstan and Russia	Morgounov, A Savin, T Flis, P Babkenov, A Chudinov, V Kazak, A Koxsel, H Likhenko, I Sharma, R Shelaeva, T Shepelev, S Shreyder, E Shamanin, V	CROP & PASTURE SCIENCE	2021-2.249 Q2	2