

Список публикаций в международных рецензируемых изданиях

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№ п/п	Название публикации	Тип публикации (статья, обзор и т.д.)	Наименование журнала, год публикации (согласно базам данных), DOI	Импакт-фактор журнала, квартиль и область науки* по данным Journal Citation Reports (Журнал Цитэйшэн Репорте) за год публикации	Индекс в базе данных Web of Science Core Collection (Веб оф Сайенс Кор Коллекшн)	CiteScore (СайтСкор) журнала, процентиль и область науки* по данным Scopus (Скопус) за год публикации	ФИО авторов (подчеркнуть ФИО претендента)	Роль претендента (соавтор, первый автор или автор для корреспонденции)
1	Staged supply of fuel and air to the combustion chamber to reduce emissions of harmful substances	Статья	Energy. – Vol. 293, 2024. – No 130622. https://doi.org/10.1016/j.energy.2024.130622 https://www.scopus.com/record/display.uri?eid=2-s2.0-85185171854&origin=resultslist	JIF - 9, Q1, Thermodynamics https://jcr.clarivate.com/jcr-journal-profile?journal=ENERGY&year=2023	https://www.webofscience.com/wos/woscc/full-record/WOS:001183308200001	CiteScore – 15.3, Процентиль – 94, Energy Engineering and Power Technology https://www.scopus.com/sourceid/29348	Bolegenova S., Askarova A., Georgiev A., Nugymanova A., Maximov V., Bolegenova S., Adil'bayev N.	Соавтор

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2	The use of plasma technologies to optimize fuel combustion processes and reduce emissions of harmful substances	Статья	Energy, Vol. 277, 2023. – No 127635. https://doi.org/10.1016/j.energy.2023.127635 https://www.scopus.com/record/display.uri?eid=2-s2.0-85156197518&origin=resultslist	JIF - 9, Q1, Thermodynamics https://jcr.clarivate.com/jcr-jp/journal-profile?journal=ENERGY&year=2023	https://www.webofscience.com/wos/woscc/full-record/WOS:001005586800001	CiteScore – 15.3, Процентиль – 94, Energy Engineering and Power Technology https://www.scopus.com/sourceid/29348	Bolegenova S., Askarova A., Georgiev A., Nugymanova A., Maximov V., Bolegenova S., Mamedov B.t	Соавтор
3	Computational modeling of pollutants in furnaces of pulverized coal boilers of the republic of Kazakhstan	Статья	Energy. – Vol. 258, 2022. – No 124826. https://doi.org/10.1016/j.energy.2022.124826 https://www.scopus.com/record/display.uri?eid=2-s2.0-85135477058&origin=resultslist	JIF – 8.9, Q1, Thermodynamics https://jcr.clarivate.com/jcr-jp/journal-profile?journal=ENERGY&year=2022	https://www.webofscience.com/wos/woscc/full-record/WOS:000854020000009	CiteScore – 14.9, Процентиль – 93, Energy Engineering and Power Technology https://www.scopus.com/sourceid/29348	Askarova A., Georgiev A., Bolegenova S., Beketayeva M., Maximov V., Bolegenova S.	Соавтор
4	Using Plasma Activation to Optimize the Combustion Process and Minimize Harmful Emissions	Статья	Chemical Engineering and Technology. – Vol. 44, Issue 11, 2021. – P. 1970 – 1977. https://doi.org/10.1002/ceat.202100169 https://www.scopus.com/record/display.uri?eid=2-s2.0-85135477058&origin=resultslist	JIF - 2.215, Q3, Engineering, Chemical https://jcr.clarivate.com/jcr-jp/journal-profile?journal=CHEM%20ENG	https://www.webofscience.com/wos/woscc/full-record/WOS:000703322000001	CiteScore – 3.3, Процентиль – 62, Engineering, Industrial and Manufacturing Engineering	Askarova A., Safarik P., Bolegenova S., Nugymanova A., Maximov V., Askarov N., Bolegenova S.	Соавтор

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5	Computer technologies of 3d modeling by combustion processes to create effective methods of burning solid fuel and reduce harmful dust and gas emissions into the atmosphere	Статья	Energies, Vol. 14, Issue 5, 2021. – No 1236. https://doi.org/10.3390/en14051236 https://www.scopus.com/record/display.uri?eid=2-s2.0-85106281778&origin=resultslist	JIF - 3.252, Q3, Energy & Fuels https://jcr.clarivate.com/jcr-jp/journal-profile?journal=ENERGIES&year=2021	https://www.webofscience.com/wos/woscc/full-record/WOS:000628202100001	CiteScore – 5,0, Процентиль – 83, Engineering https://www.scopus.com/record/display.uri?eid=2-s2.0-85106281778&origin=resultslist	Askarova A., Bolegenova S., Maximov V., Bolegenova S. Askarov N., Nugymanova A.,	Соавтор	
6	Processes of heat and mass transfer in furnace chambers with combustion of thermochemically activated fuel	Статья	Thermophysics and Aeromechanics. – Vol. 26, Issue 6, 2019. – P. 925–937. https://doi.org/10.1134/S0869864319060143 https://www.scopus.com/record/display.uri?eid=2-s2.0-85080123454&origin=resultslist	JIF – 0.423, Q4, Thermodynamics https://jcr.clarivate.com/jcr-jp/journal-profile?journal=Thermophys%20Aeromech%20B&year=2019	https://www.webofscience.com/wos/woscc/full-record/WOS:000519388700014	CiteScore – 2, Процентиль – 56, Engineering https://www.scopus.com/record/display.uri?eid=2-s2.0-85080123454&origin=resultslist	Messerle V.E., Askarova A.S., Bolegenova S.A., Safarik P., Maksimov V.Y., Bolegenova S.A., Nugymanova A.O	Соавтор	
7	3D modeling of the aerodynamics and heat transfer in the combustion chamber of the	Статья	Thermophysics and Aeromechanics – Vol. 26, Issue 2, 2019. – P. 295–311. https://doi.org/10.1134/S0869864319020124	JIF – 0.423, Q4, Thermodynamics https://jcr.clarivate.com/jcr-jp/journal-profile?journal=Thermophys%20Aeromech%20B&year=2019	https://www.webofscience.com/wos/woscc/full-record/WOS:000471203300012	CiteScore – 2, Процентиль – 56, Engineering	Askarova A.S., Bolegenova S.A., Bolegenova S.A., Maximov V.Y., Beketaeva M.T.	Соавтор	

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	BKZ-75 boiler of the Shakhtinsk cogeneration plant		https://www.scopus.com/record/display.uri?eid=2-s2.0-85067186745&origin=resultslist	profile?journal=THE HERMOPHYS%20AEROMECH%20B&year=2019		https://www.scopus.com/record/display.uri?eid=2-s2.0-85067186745&origin=resultslist		
8	3-D modeling of heat and mass transfer process during the combustion of solid fuel in a swirl furnace	Статья	Acta Polytechnica. Vol. 59, Issue 6, 2019. – P. 543 – 553. https://doi.org/10.14311/AP.2019.59.0543 https://www.scopus.com/record/display.uri?eid=2-s2.0-85078318075&origin=resultslist	JIF – N/A, N/A https://jcr.clarivate.com/jcr-journal-profile?journal=ACTA%20POLYTECH&year=2023	https://www.webofscience.com/wos/woscc/full-record/WOS:000511170400003	CiteScore – 1.3, Процентиль – 50, Engineering https://www.scopus.com/record/display.uri?eid=2-s2.0-85078318075&origin=resultslist	Askarova A., Safarik P., Nugymanova A., Bolegenova S., Maximov V., Bolegenova S.	Соавтор
9	Simulation of low-grade coal combustion in real chambers of energy objects	Статья	Acta Polytechnica. – Vol. 59, Issue 2, 2019. – P. 98 – 108. https://doi.org/10.14311/AP.2019.59.0098 https://www.scopus.com/record/display.uri?eid=2-s2.0-85067399079&origin=resultslist	JIF – N/A, N/A https://jcr.clarivate.com/jcr-journal-profile?journal=ACTA%20POLYTECH&year=2023	https://www.webofscience.com/wos/woscc/full-record/WOS:000473355400001	CiteScore – 1.3, Процентиль – 50, Engineering https://www.scopus.com/record/display.uri?eid=2-s2.0-85067399079&origin=resultslist	Askarova A., Bolegenova S., Bolegenova S., Beketayeva M., Maximov V., Nugymanova A., Safarik P.	Соавтор
10	Modeling of Heat Mass Transfer in High-Temperature Reacting Flows with Combustion	Статья	High Temperature. – Vol. 56, Issue 5, 2018. – P. 738 – 743. https://doi.org/10.1134/S0018151X1805005X https://www.scopus.com/record/display.uri?eid=2-s2.0-85067399079&origin=resultslist	JIF – 1.164, Q4, Physics, Applied https://jcr.clarivate.com/jcr-journal-profile?journal=HIGH%20TEMPERATURE	https://www.webofscience.com/wos/woscc/full-record/WOS:000451744700018	CiteScore – 2.0, Процентиль – 66, Engineering	Askarova A., Bolegenova S., Beketayeva M., Maximov V.	Соавтор

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11	Computational method for investigation of solid fuel combustion in combustion chambers of a heat power plant	Статья	High Temperature. – Vol. 53, Issue 5, 2015. – P. 751 – 757. https://doi.org/10.1134/S0018151X15040021 https://www.scopus.com/record/display.uri?eid=2-s2.0-84944446889&origin=resultslist	JIF – 1.048, Q3, Physics, Applied https://jcr.clarivate.com/jcr-journal-profile?journal=HIGH%20TEMP%2B&year=2015	https://www.webofscience.com/wos/woscc/full-record/WOS:000363057000020	CiteScore – 1.6, Процентиль – 65, Engineering https://www.scopus.com/record/display.uri?eid=2-s2.0-84944446889&origin=resultslist	Askarova A., Bolegenova S., Maximov V., Bekmukhamet A., Beketayeva M., Gabitova Z.K.	Соавтор
12	Numerical simulation of pulverized coal combustion in a power boiler furnace	Статья	High Temperature. – Vol. 53, Issue 3, 2015. – P. 445 – 452. https://doi.org/10.1134/S0018151X15020030 https://www.scopus.com/record/display.uri?eid=2-s2.0-84935887540&origin=resultslist	JIF – 1.048, Q3, Physics, Applied https://jcr.clarivate.com/jcr-journal-profile?journal=HIGH%20TEMP%2B&year=2015	https://www.webofscience.com/wos/woscc/full-record/WOS:000356368500015	CiteScore – 1.6, Процентиль – 65, Engineering https://www.scopus.com/record/display.uri?eid=2-s2.0-84935887540&origin=resultslist	Askarova A., Messerle V.E., Ustimenko A.B., Bolegenova S., Maximov V., Gabitova Z.K.	Соавтор

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4	Influence of the method of air-fuel mixture supply on the main characteristics of heat and mass transfer processes	Thermophysics and Aeromechanics. – Vol. 29, 2022. – P. 107 – 124. https://doi.org/10.1134/S0869864322010097 Процентиль – 34. https://www.scopus.com/record/display.uri?eid=2-s2.0-85132876251&origin=resultslist Q4 https://www.webofscience.com/wos/wosc/full-record/WOS:000815490100008	Askarova A.S., Messerle V.E., Bolegenova S.A., Maximov V.Yu., Nugymanova A.
5	Use of two-stage fuel combustion technology to minimize hazardous emissions at Kazakhstan TPP	News of the NAS of the Republic of Kazakhstan. – № 1 (335), 2021. – P. 74-80. https://journals.nauka-nanrk.kz/physics-mathematics/article/view/274/150	Askarova A.S., Bolegenova S.A., Safarik P., Maximov V.Yu., Nugymanova A., Bolegenova S.A.
6	3D simulation of heat and mass transfer for testing of “clean energy” production technologies	Thermophysics and Aeromechanics. – Vol. 28, 2021. – P. 271 - 280. https://doi.org/10.1134/S0869864321020104 Процентиль – 40. https://www.scopus.com/record/display.uri?eid=2-s2.0-85110543899&origin=resultslist Q4 https://www.webofscience.com/wos/wosc/full-record/WOS:000675572800010	Messerle V.E., Askarova A.S., Bolegenova S.A., Maximov V.Yu., Bolegenova S.A.
7	3D visualization of the results of using modern OFA technology on the example of real boiler	WSEAS Transactions on Fluid Mechanics. – Vol. 16, 2021. – P. 232-238. https://doi.org/10.37394/232013.2021.16.22 Процентиль – 41. https://www.scopus.com/record/display.uri?eid=2-s2.0-85126582655&origin=resultslist	Askarova A.S., Bolegenova S.A., Maximov V.Yu., Bolegenova S.A., Beketayeva M.
8	Simulation of nitrogen oxides formation as air pollution on the example of real combustion furnace	WSEAS Transactions on Fluid Mechanics. – Vol. 16, 2021. – P. 192-200. https://doi.org/10.37394/232013.2021.16.18 Процентиль – 41. https://www.scopus.com/record/display.uri?eid=2-s2.0-85121132399&origin=resultslist	Askarova A.S., Bolegenova S.A., Maximov V.Yu., Beketayeva M.

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9	Research of characteristics of heat and mass transfer at the introduction of technology of steps fuel burning on the BKZ-75 boiler of the Shakhtinskaya TPP	News of the NAS of the Republic of Kazakhstan. – № 2 (330), 2020. – P. 88-95. https://journals.nauka-nanrk.kz/physics-mathematics/article/view/409/286	Safarik P., Bolegenova S.A., Tuyakbaev A.A., <u>Maximov V.Yu.</u> , Nugymanova A., Shortanbaeva Zh.K., Bolegenova S.A.
10	Numerical simulation of heat and mass transfer at the partial stop of fuel supplying in the chamber of TPP	News of the NAS of the Republic of Kazakhstan. – № 2 (330), 2020. – P. 166-174. https://journals.nauka-nanrk.kz/physics-mathematics/article/view/433/311	Safarik P., Bolegenova S.A., Tuyakbaev A.A., <u>Maximov V.Yu.</u> , Nugymanova A., Bolegenova S.A.
11	Minimization of toxic emissions during burning low-grade fuel at Kazakhstan thermal power plant	Acta Polytechnica. – Vol.60, 2020. – P. 206 – 213. https://doi.org/10.14311/AP.2020.60.0206 Процентиль – 47. https://www.scopus.com/record/display.uri?id=2-s2.0-85090715182&origin=resultslist Q3 https://www.webofscience.com/wos/wosc/full-record/WOS:000565219200003	Askarova A.S., Bolegenova S.A., Safarik P., <u>Maximov V.Yu.</u> , Nugymanova A., Bolegenova S.A.
12	The 3-D modelling of heat and mass transfer during combustion of low-grade coal	Thermal Science. – Vol. 24, 2020. – P. 2823 – 2832. https://doi.org/10.2298/TSC191107062S Процентиль – 41. https://www.scopus.com/record/display.uri?id=2-s2.0-85089245543&origin=resultslist Q4 https://www.webofscience.com/wos/wosc/full-record/WOS:000543104900014	Safarik P., Askarova A.S., Bolegenova S.A., <u>Maximov V.Yu.</u> , Bolegenova S.A., Nugymanova A.
13	3D modeling of heat transfer processes in the combustion chamber boiler of thermal power plants	News of the NAS of the Republic of Kazakhstan. – № 6 (328), 2019. – С. 5-13. http://nbilib.library.kz/elib/library.kz/Jurnal/%D0%A4%D0%B8%D0%B7_%D0%BC%D0%B0%D1%82_06_2019/Askarova,Bolegenova.pdf	Askarova A.S., Bolegenova S.A., Safarik P., <u>Maximov V.Yu.</u> , Nugymanova A., Bolegenova S.A.

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14	Optimization of the solid fuel combustion process in combustion chambers in order to reduce harmful emissions	News of the NAS of the Republic of Kazakhstan. – № 6 (328), 2019. – С. 34-42. http://nblib.library.kz/elib/library.kz/Jurnal/%D0%A4%D0%B8%D0%B7_%D0%BC%D0%B0%D1%82_06_2019/Safarik.Askarova.pdf	Safarik P., Askarova A.S., Bolegenova S.A., Maximov V.Yu., Bolegenova S.A., Nugymanova A.
15	Computational experiments for research of flow aerodynamics and turbulent characteristics of solid fuel combustion process	News of the NAS of the Republic of Kazakhstan. – № 2 (324), 2019. – С. 46-52. https://journals.nauka-nanrk.kz/physics-mathematics/article/view/1174/1053	Askarova A.S., Bolegenova S.A., Mazhrenova N.R., Bolegenova S.A., Maximov V.Yu., Mamedova M.R.
16	3D modeling of combustion thermochemical activated fuel	News of the NAS of the Republic of Kazakhstan. – № 2 (324), 2019. – С. 9-16. http://nblib.library.kz/elib/library.kz/Jurnal/%D0%A4%D0%B8%D0%B7_%D0%BC%D0%B0%D1%82_02_2019/Askarova.Bolegenova.pdf	Askarova A.S., Bolegenova S.A., Safarik P., Maximov V.Yu., Nugymanova A., Bolegenova S.A.
17	Оптимизация процессов тепломассопереноса в топочной камере Казахстанского котла методом 3D- моделирования	Вестник Алматинского университета энергетики и связи. №1 (44), 2019. - С. 12-18. https://aues.edu.kz/frontend/web/uploads/vestnik-journal/document/1591159718_nX4cTA.pdf	Аскарлова А.С., Болегенова С.А., Болегенова С.А., Максимов В.Ю., Аташева А.К.
18	Numerical simulation of fuel combustion processes to reduce harmful dust and gas emissions using Over Fire Air.	Вестник КазНУ серия физическая. – Т. 68, №1, 2019. – С. 92-100. https://bph.kaznu.kz/index.php/zhuzhu/article/view/1101/1268	Askarova A.S., Bolegenova S.A., Maximov V.Yu., Bergaliyeva S.A., Bolado S.
19	Modern computing experiments on pulverized coal combustion processes in boiler furnaces	News of the NAS of the Republic of Kazakhstan. – 2018. – № 6 (322). – С. 5-14. http://nblib.library.kz/elib/library.kz/Jurnal/%D0%A4%D0%B8%D0%B7_%D0%BC%D0%B0%D1%82_06_2018/Askarova.Bolegenova.pdf	Askarova A.S., Bolegenova S.A., Safarik P., Maximov V.Yu., Bolegenova S.A., Beketayeva M.T., Nugymanova A.
20	Внедрение IT-технологий в ТЭС Казахстана	Вестник КазНУТУ, Технические науки, №3 (127), 2018. – С. 381-388. https://official.satbayev.university/download/document/7172/%D0%92%D0%95%D0%A1%D0%A2%D0%9D%D0%98%D0%9A-2018-%D0%92-%D0%84%963.pdf	Аскарлова А.С., Болегенова С.А., Максимов В.Ю., Амангелдиев С.Б., Махаш Ж.Е.

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21	Investigation of heat and mass transfer processes in the combustion chamber of industrial power plant boiler. Part 2. distribution of concentrations of O ₂ , CO, CO ₂ , NO	Applied and Computational Mechanics. – Vol. 12, 2018. – P. 127 – 138. https://doi.org/10.24132/acm.2018.396 Процентиль – 29. https://www.scopus.com/record/display.uri?eid=2-s2.0-85066982549&origin=resultslist	Askarova A.S., <u>Maximov V.Yu.</u> , Bolegenova S.A., Bolegenova S.A., Yergaliyeva A.B., Safarik P.
22	Heat and mass transfer processes at high-temperature media during combustion of low-grade pulverized coal	International Journal of Mathematics and Physics. – Vol. 9, Issue 1, 2018. – P. 60-69. https://ijmph.kaznu.kz/index.php/kaznu/article/view/247/181	Askarova A., Bolegenova S., Safarik P., <u>Maximov V.</u> , Beketayeva M.
23	Investigation of aerodynamics and heat and mass transfer in the combustion chambers of the boilers PK-39 and BKZ-160	News of the NAS of the Republic of Kazakhstan. – No 2 (312), 2017. – P. 27–38. http://physics-mathematics.kz/images/pdf/m20172/2738.pdf	Askarova A.S., Bolegenova S.A., Bolegenova S.A., <u>Maximov V.Yu.</u> , Ospanova Sh.S.
24	Численное моделирование процессов сжигания пылеугольного топлива в топочной камере котла ПК 39	Известия НАН РК. – № 2 (312), 2017. – С. 58-63. http://physics-mathematics.kz/images/pdf/m20172/5863.pdf	Аскарлова А.С., Болегенова С.А., Болегенова С.А., <u>Максимов В.Ю.</u> , Шортанбаева Ж.К.
25	Вычислительный эксперимент по исследованию горения термохимически-газифицированного угля в топочной камере котла БКЗ-160	Известия НАН РК. – № 2 (312), 2017. – С. 75-80. http://physics-mathematics.kz/images/pdf/m20172/7580.pdf	Аскарлова А.С., Болегенова С.А., Болегенова С.А., <u>Максимов В.Ю.</u> , Максутханова А.М., Турбекова А.Г., Бейсенов Х.И.
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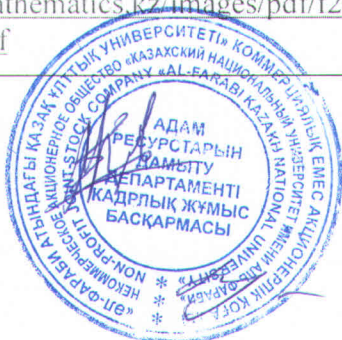
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