**Список публикаций в международных рецензируемых изданиях**

Фамилия претендента **Максимов Валерий Юрьевич**  
Идентификаторы автора (если имеются):  
Scopus Author ID: 57130389500  
Web of Science Researcher ID: F-6214-2013  
ORCID: 0000-0003-4120-1071

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| № 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 (Жорнал Цитэйшэн Репортс) 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-jp/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 |
| 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-s2.0-85116292780&origin=resultslist> | JIF - 2.215,  Q3, Engineering, Chemical  <https://jcr.clarivate.com/jcr-jp/journal-profile?journal=CHEM%20ENG%20TECHNOL&year=2021> | <https://www.webofscience.com/wos/woscc/full-record/WOS:000703322000001> | CiteScore – 3.3,  Процентиль – 62, Engineering, Industrial and Manufacturing Engineering  <https://www.scopus.com/sourceid/16396> | Askarova A.,  Safarik P.,  Bolegenova S.,  Nugymanova A.,  Maximov V.,  Askarov N.,  Bolegenova S. | Соавтор |
| 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/sourceid/62932> | 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%2B&year=2019> | <https://www.webofscience.com/wos/woscc/full-record/WOS:000519388700014> | CiteScore – 2,  Процентиль – 56,  Engineering  <https://www.scopus.com/sourceid/5000154402> | 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 BKZ-75 boiler of the Shakhtinsk cogeneration plant | Статья | Thermophysics and Aeromechanics – Vol. 26, Issue 2, 2019. – P. 295 – 311.  <https://doi.org/10.1134/S0869864319020124>  <https://www.scopus.com/record/display.uri?eid=2-s2.0-85067186745&origin=resultslist> | JIF – 0.423, Q4,  Thermodynamics  <https://jcr.clarivate.com/jcr-jp/journal-profile?journal=THERMOPHYS%20AEROMECH%2B&year=2019> | <https://www.webofscience.com/wos/woscc/full-record/WOS:000471203300012> | CiteScore – 2,  Процентиль – 56,  Engineering  <https://www.scopus.com/sourceid/5000154402> | Askarova A.S., Bolegenova S.A., Bolegenova S.A.,  Maximov V.Y., Beketaeva M.T. | Соавтор |
| 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-jp/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/sourceid/21100200605> | 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-jp/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/sourceid/21100200605> | 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-s2.0-85057896938&origin=resultslist> | JIF – 1.164,  Q4,  Physics, Applied  <https://jcr.clarivate.com/jcr-jp/journal-profile?journal=HIGH%20TEMP%2B&year=2018> | <https://www.webofscience.com/wos/woscc/full-record/WOS:000451744700018> | CiteScore – 2.0,  Процентиль – 66,  Engineering  <https://www.scopus.com/sourceid/13751> | Askarova A.,  Bolegenova S.,  Beketayeva M.,  Maximov V. | Соавтор |
| 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-jp/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/sourceid/13751> | 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-jp/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/sourceid/13751> | Askarova A.,  Messerle V.E.,  Ustimenko A.B.,  Bolegenova S.,  Maximov V.,  Gabitova Z.K. | Соавтор |

**Список научных трудов**

**Максимова Валерия Юрьевича**

**в изданиях РК и рекомендуемых уполномоченным органом:**

|  |  |  |  |
| --- | --- | --- | --- |
| № | Название трудов | Наименование из-ва, журнала (№, год) | Фамилия и имя авторов работы |
|  | Жел турбинасы арқылы өтетін турбулентті тұрақсыз ағынды 3D модельдеу | Вестник Торайгыров университета, серия Энергетическая. – № 2, 2024. – С. 47-63.  <https://vestnik-energy.tou.edu.kz/storage/articles/fe309697802cf7024195329632c8d776/%D0%90%D1%81%D0%BA%D0%B0%D1%80%D0%BE%D0%B2%D0%B0_%D0%90._%D0%A1.,_%D0%91%D0%BE%D0%BB%D0%B5%D0%B3%D0%B5%D0%BD%D0%BE%D0%B2%D0%B0_%D0%A1._%D0%90.,_%D0%9C%D0%B0%D0%BA%D1%81%D0%B8%D0%BC%D0%BE%D0%B2_%D0%92._%D0%AE.,_%D0%9C%D0%B5%D0%B4%D0%B5%D1%82%D2%B1%D0%BB%D1%8B_%D0%95..pdf> | Аскарова А.С., Болегенова С.А., Максимов В.Ю.,  Медетұлы Е. |
|  | Сжигание газового топлива как один из методов сокращения вредных выбросов в атмосферу | Труды университета. – № 1 (86), 2022. – С. 96-105.  <http://rmebrk.kz/magazine/1332>  <http://tu.kstu.kz/archive/issue/91?page=2> | Аскарова А.С., Болегенова С.А., Максимов В.Ю., Каменских А.В. |
|  | Stochastic model of liquid fuel spraying at high pressures and high Reynolds numbers | WSEAS Transactions on Heat and Mass Transfer. – 2022. – Vol. 17. – P. 114 – 123.  <https://doi.org/10.37394/232012.2022.17.12>  Процентиль – 12.  <https://www.scopus.com/record/display.uri?eid=2-s2.0-85134605081&origin=resultslist> | Askarova A.S., Bolegenova S.A.,  Maximov V.Yu.,  Beketayeva М. |
|  | 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/woscc/full-record/WOS:000815490100008> | Askarova A.S.,  Messerle V.E.,  Bolegenova S.A.,  Maximov V.Yu.,  Nugymanova A. |
|  | 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. |
|  | 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/woscc/full-record/WOS:000675572800010> | Messerle V.E.,  Askarova A.S., Bolegenova S.A.,  Maximov V.Yu.,  Bolegenova S.A. |
|  | 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 М. |
|  | 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-s2.0-85121133399&origin=resultslist> | Askarova A.S., Bolegenova S.A.,  Maximov V.Yu.,  Beketayeva М. |
|  | 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.,  Maximov V.Yu.,  Nugymanova A.,  Shortanbaeva Zh.K.,  Bolegenova S.A. |
|  | 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.,  Maximov V.Yu.,  Nugymanova A.,  Bolegenova S.A. |
|  | 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?eid=2-s2.0-85090715182&origin=resultslist>  Q3  <https://www.webofscience.com/wos/woscc/full-record/WOS:000565219200003> | Askarova A.S., Bolegenova S.A., Safarik P., Maximov V.Yu.,  Nugymanova A.,  Bolegenova S.A. |
|  | 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/TSCI191107062S>  Процентиль – 41.  <https://www.scopus.com/record/display.uri?eid=2-s2.0-85089245543&origin=resultslist>  Q4  <https://www.webofscience.com/wos/woscc/full-record/WOS:000543104900014> | Safarik P.,  Askarova A.S., Bolegenova S.A.,  Maximov V.Yu.,  Bolegenova S.A.,  Nugymanova A. |
|  | 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://nblib.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., Maximov V.Yu.,  Nugymanova A.,  Bolegenova S.A. |
|  | 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. |
|  | 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. |
|  | 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. |
|  | 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> | Аскарова А.С., Болегенова C.А.,  Болегенова C.А.,  Максимов В.Ю.,  Аташева А.К. |
|  | 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., Maxsimov V.Yu., Bergaliyeva S.A., Bolado S. |
|  | 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. |
|  | Внедрение IT-технологий в ТЭС Казахстана | Вестник КазНИТУ, 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%20%E2%84%963.pdf> | Аскарова А.С., Болегенова C.А.,  Максимов В.Ю.,  Амангелдиев С.Б.,  Махаш Ж.Е. |
|  | Investigation of heat and mass transfer processes in the combustion chamber of industrial power plant boiler. Part 2. distribution of concentrations of O2, CO, CO2, 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.,  Maximov V.Yu.,  Bolegenova S.A.,  Bolegenova S.A.,  Yergaliyeva A.B.,  Safarik P. |
|  | 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. – Р. 60-69.  <https://ijmph.kaznu.kz/index.php/kaznu/article/view/247/181> | Askarova А., Bolegenova S., Safarik P., Maximov V., Beketayeva М. |
|  | 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.,  Maximov V.Yu., Ospanova Sh.S. |
|  | 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> | Аскарова А.С., Болегенова С.А., Болегенова C.А.,  Максимов В.Ю.,  Шортанбаева Ж.К. |
|  | 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> | Аскарова А.С., Болегенова С.А., Болегенова C.А.,  Максимов В.Ю.,  Максутханова А.М.,  Турбекова А.Г.,  Бейсенов Х.И. |
|  | Тепломассоперенос при горении угольной пыли в камере сгорания энергетического котла БКЗ-75 Шахтинской ТЭЦ | Вестник КазНУ серия физическая. – Т. 60, №1, 2017. – С. 18-26.  <https://bph.kaznu.kz/index.php/zhuzhu/article/view/509/874> | Максимов В.Ю., Айдабол С.Қ., Отыншиева Н.А. |
|  | Combustion processes in furnace chambers of Kazakhstan TPPs using high-ash coal | International Journal of Mathematics and Physics. – Vol. 8, Issue 2, 2017. – P. 51-60.  <https://ijmph.kaznu.kz/index.php/kaznu/article/view/232/174> | Askarova A.S., Bolegenova S.A., Bolegenova S.A.,  Maximov V.,  Nugymanova А.,  Safarik P. |
|  | Сұйық отындардың жану процесін level set әдісімен модельдеу | Хабаршы. Физика сериясы. – Т. 63, №4, 2017. – С. 4-13.  <https://bph.kaznu.kz/index.php/zhuzhu/article/view/536/926> | АсқароваƏ.С., БөлегеноваС.А., БөлегеноваС.А., Максимов В.Ю.,  Оспанова Ш.С.,  Бекетаева М.Т.,  Нұғыманова А.,  Байжума Ж.Е. |
|  | Numerical investigation of heat and mass transfer processes in the combustion chamber of industrial power plant boiler. Part 1. Flow field, temperature distribution, chemical energy distribution | Applied and Computational Mechanics. – Vol. 11, 2017. – P. 115 - 128.  <https://doi.org/10.24132/acm.2017.395>  Процентиль –16.  <https://www.scopus.com/record/display.uri?eid=2-s2.0-85040911238&origin=resultslist> | Askarova A.S.,  Maximov V.Yu.,  Bolegenova S.A.,  Bolegenova S.A.,  Yergaliyeva A.B.,  Safarik P. |
|  | Исследование характеристик теплообмена при горении пылеугольного факела в топочной камере котла БКЗ-160 Алматинской ТЭЦ-3. | Вестник КазНУ серия физическая, Алматы, Қазақ университеті. - Т. 56, №1, 2016. – С. 36-43.  <https://bph.kaznu.kz/index.php/zhuzhu/article/view/436/982> | Аскарова А.С., Болегенова С.А., Болегенова С.А., Максимов В.Ю., Ергалиева А.Б., Габитова З.Х., Боранбаева А.Е. |
|  | 3D-моделировaние процессов образования вредных компонентов при сжигании пылеугольной пыли в объеме топочной камеры котла БКЗ-75 Шaхтинской ТЭЦ. | Вестник КазНУ серия физическая, Алматы Қазақ университеті. – Т. 57, №2, 2016. – С. 4-9.  <https://bph.kaznu.kz/index.php/zhuzhu/article/view/450/961> | Aскaровa A.С., Болегеновa С.A., Мaксимов В.Ю., Aлдияровa A.Н. |
|  | Исследование процессов сжигания угольной пыли с учетом угла наклона вихревых горелочных устройств | Вестник КазНУ серия физическая. – Алматы, Қазақ университеті. – Т. 57, №2, 2016. – С. 34-40.  <https://bph.kaznu.kz/index.php/zhuzhu/article/view/455> | Aскaровa A.С., Болегеновa С.A., Мaксимов В.Ю., Aлдияровa A.Н. |
|  | Численное моделирование образования и разложения NOХ по двум кинетическим механизмам при горении угольного топлива в топочной камере ТЭЦ | Известия НАН РК. – № 2 (306), 2016. – С. 29–34.  <http://physics-mathematics.kz/images/pdf/f20162/f2934.pdf> | Аскарова А.С., Болегенова С.А., Болегенова C.А.,  Максимов В.Ю., Бекетаева М.Т. |
|  | Исследование влияния граничного условия для температуры на стенках топочной камеры на температурные характеристики процесса горения | Известия НАН РК. – № 2 (306), 2016. – С. 35–39.  <http://physics-mathematics.kz/images/pdf/f20162/f3539.pdf> | Аскарова А.С., Болегенова С.А., Болегенова C.А.,  Максимов В.Ю., Бекетаева М.Т. |
|  | Исследование влияния влажности угля на процесс горения методами 3-D моделирования | Известия НАН РК. – № 2 (306), 2016. – С. 21–29.  <http://physics-mathematics.kz/images/pdf/f20162/f2128.pdf> | Аскарова А.С., Болегенова С.А., Болегенова С.А.,  Максимов В.Ю., Ергалиева А.Б., Габитова З.Х., Боранбаева А.Е. |
|  | 3D-моделирование процессов сжигания угольной пыли с учетом влияния компоновки камеры сгорания ТЭЦ вихревыми горелочными устройствами | Журнал проблем эволюции открытых систем, Алматы. – Т. 18, №1, 2016. – с.48-55.  <https://peos.kaznu.kz/index.php/peos/article/view/74/66> | Аскарова А.C., Болегенова С.А., Максимов В.Ю., Алдиярова А.Н. |
|  | БКЗ-420 қазандығының жану камерасындағы физика-химиялық процестерді математикалық модельдеу | Вестник КазНУ серия физическая. – Т. 58, №3, 2016 – С. 20-25.  <https://bph.kaznu.kz/index.php/zhuzhu/article/view/470/942> | Асқарова Ә.С., Бөлегенова С.Ә., Максимов В.Ю., Усербаев Б.Ж., Нахипова Ф. |
|  | Создaние трехмерных концентрaционных и темперaтурных поверхностей в топочной кaмере котлa ПК-39 Aксуйской электростaнции. | Вестник КазНУ серия физическая. – Т. 59, №4, 2016 – С. 4-11.  <https://bph.kaznu.kz/index.php/zhuzhu/article/view/486/909> | Аскарова А.C., Болегенова С.А., Максимов В.Ю., Алдиярова А.Н.,  Шортанбаева Ж.,  Арыстан А. |
|  | 3D modeling high temperature flows in the combustion chambers of the power plants | International Journal of Mathematics and Physics. – Vol. 7, №1, 2016. – P. 73-82.  <https://ijmph.kaznu.kz/index.php/kaznu/article/view/163/pdf_3> | Askarova A., Bolegenova S., Bekmukhamet A., Bolegenova S., Maximov V., Ospanova O., Manabayeva R., Utelov S. |
|  | Reduction of noxious substance emissions at the pulverized fuel combustion in the combustor of the BKZ-160 boiler of the Almaty heat electropower station using the “Overfire Air” technology | Thermophysics and Aeromechanics. – Vol. 23, 2016. – P. 125 – 134.  <https://doi.org/10.1134/S0869864316010133>  Процентиль –35.  <https://www.scopus.com/record/display.uri?eid=2-s2.0-84963726338&origin=resultslist>  Q4  <https://www.webofscience.com/wos/woscc/full-record/WOS:000374399200013> | Askarova A.S.,  Messerle V.E.,  Ustimenko A.B.,  Bolegenova S.A.,  Bolegenova S.A.,  Maximov V.Yu.,  Yergalieva A.B. |
|  | 3-D modeling of heat and mass transfer during combustion of solid fuel in Bkz-420-140-7C combustion chamber of Kazkhstan | Journal of Applied Fluid Mechanics. – Vol. 9, 2016. – P. 699 – 709.  <https://doi.org/10.18869/acadpub.jafm.68.225.22881>  Процентиль – 49.  <https://www.scopus.com/record/display.uri?eid=2-s2.0-84958778247&origin=resultslist>  <https://www.webofscience.com/wos/woscc/full-record/WOS:000371954000020> | Askarova A.S.,  Bekmukhamet A.,  Bolegenova S.A.,  Ospanova Sh.S.,  Symbat B.,  Maximov V.Yu.,  Beketayeva М.,  Yergalieva A.B. |
|  | On the effect of the temperature boundary conditions on the walls for the processes of heat and mass transfer | International Journal of Mechanics. – Vol. 10, 2016. – P. 349 – 355.  DOI: N/A  Процентиль – 52  <https://www.scopus.com/record/display.uri?eid=2-s2.0-84991394308&origin=resultslist> | Askarova A.,  Bolegenova S.,  Bolegenova S.,  Beketayeva M.,  Maximov V.,  Shortanbayeva Z.K. |
|  | CFD study of harmful substances production in coal-fired power plant of Kazakhstan | Bulgarian Chemical Communications. – Vol. 48, Special Issue E2, 2016. – P. 260-265.  DOI: N/A  Процентиль – 22  <https://www.scopus.com/record/display.uri?eid=2-s2.0-85020235019&origin=resultslist> | Askarova A., Heierle E.,  Bolegenova S.,  Manatbayev R.,  Maximov V.,  Bolegenova S.,  Beketayeva М.,  Yergalieva A.B. |
|  | Mathematical modeling of heat and mass transfer in the presence of physicalchemical processes | Bulgarian Chemical Communications. – Vol. 48, Special Issue E2, 2016. – P. 272-277.  DOI: N/A  Процентиль – 22  <https://www.scopus.com/record/display.uri?eid=2-s2.0-85020223659&origin=resultslist> | Askarova A.,  Bolegenova S.,  Bolegenova S.,  Maximov V.,  Manatbayev R.,  Shortanbayeva Z.,  Maksutkhanova A.,  Aldiyarova A.N.,  Boranbayeva A.E. |
|  | 3D modelling of heat and mass transfer processes during the combustion of liquid fuel | Bulgarian Chemical Communications. – Vol. 48, Special Issue E2, 2016. – P. 229-235.  DOI: N/A  Процентиль – 22  <https://www.scopus.com/record/display.uri?eid=2-s2.0-85020205146&origin=resultslist> | Askarova A.,  Bolegenova S.,  Mazhrenova N.,  Manatbayev R.,  Ospanova Sh.,  Bolegenova S.,  Berezovskaya I.,  Maximov V.,  Nugymanova A. |
|  | Application of 3D modelling for solving the problem of combustion coal-dust flame | Bulgarian Chemical Communications. – Vol. 48, Special Issue E2, 2016. – P. 236-241.  DOI: N/A  Процентиль – 22  <https://www.scopus.com/record/display.uri?eid=2-s2.0-85020174778&origin=resultslist> | Askarova A.,  Bolegenova S.,  Bolegenova S.,  Maximov V.,  Manatbayev R.,  Yergalieva A.B.,  Gabitova Z.,  Maksutkhanova A.,  Shortanbayeva Z.,  Boranbayeva A.,  Berdikhan K. |
|  | Influence of boundary conditions to heat and mass transfer processes | International Journal of Mechanics. – Vol. 10, 2016. – P. 320 – 325.  DOI: N/A  Процентиль – 52  <https://www.scopus.com/record/display.uri?eid=2-s2.0-84975292860&origin=resultslist> | Askarova A.,  Bolegenova S.,  Bolegenova S.,  Maximov V.,  Beketayeva M. |
|  | 3D-моделирование процессов горения полидисперсного пылеугольного факела в топочных камерах ТЭС Казахстана. | Вестник КазНУ им. аль-Фараби, серия физическая. – Т. 52, №1, 2015. – С. 4-10.  <https://bph.kaznu.kz/index.php/zhuzhu/article/view/344/1060> | Аскарова А.С.,  Гороховски М.А.,  Болегенова С.А.,  Максимов В.Ю., Габитова З.Х.,  Ергалиева А.Б. |
|  | Исследование влияния дисперсности пылеугольного топлива на тепловые характеристики процесса горения в топочной камере котла БКЗ-160 Алматинской ТЭЦ-3 | Известия НАН РК. – №2 (300), 2015. – С.147-153.  <https://journals.nauka-nanrk.kz/physics-mathematics/issue/view/235/237> | Аскарова А.С., Болегенова С.А., Болегенова С.А., Габитова З.Х.,  Максимов В.Ю., Ергалиева А.Б. |
|  | Numerical modeling of pulverized coal combustion at thermal power plant boilers | Journal of Thermal Science. – Vol. 24, Issue 3, 2015. – P. 275-282.  <https://doi.org/10.1007/s11630-015-0784-0>  Процентиль – 57.  <https://www.scopus.com/record/display.uri?eid=2-s2.0-84928981823&origin=resultslist>  Q2  <https://www.webofscience.com/wos/woscc/full-record/WOS:000354151500010> | Askarova A.S.,  Bolegenova S.A.,  Maximov V.Yu.,  Beketayeva М.,  Safarik P. |
|  | Using CFD code FLOREAN for simulations of industrial boiler. | International journal of mathematics and physics. – Vol. 5, Issue 1, 2014. – P. 60-68.  <https://ijmph.kaznu.kz/index.php/kaznu/article/view/85/44> | Askarova A.S.,  Leithner R., Bolegenova S.A.,  Maximov V.Ju.,  Aitbayeva A. |
|  | Numerical simulation of high-ash coal combustion with different moisture content at Aksu thermal power plant. | International Journal of mathematics and physics. – Vol. 5, Issue 2, 2014. – С.29-32.  <https://ijmph.kaznu.kz/index.php/kaznu/article/view/93/50> | Askarova A.S., Bolegenova S.A.,  Maximov V.Ju.,  Gabitova Z.,  Leithner R.,  Mueller H.,  Heierle E. |
|  | Numerical simulation of the coal combustion process initiated by a plasma source | Thermophysics and Aeromechanics, 2014, Vol. 21, No. 6  <https://doi.org/10.1134/S0869864314060092>  Процентиль – 21.  <https://www.scopus.com/record/display.uri?eid=2-s2.0-84923849526&origin=resultslist>  Q4  <https://www.webofscience.com/wos/woscc/full-record/WOS:000350575900009> | Askarova A.S.,  Messerle V.E.,  Ustimenko A.B.,  Bolegenova S.A.,  Maximov V.Yu. |
|  | Investigation of turbulence characteristics of burning process of the solid fuel in BKZ 420 combustion chamber | WSEAS Transactions on heat and mass transfer. – Vol. 9, 2014. – P. 39-50.  Процентиль – 12.  <https://www.scopus.com/record/display.uri?eid=2-s2.0-84900852817&origin=resultslist> | Askarova A.S.,  Bekmukhamet A.,  Bolegenova S.A.,  Beketayeva М.,  Maximov V.Yu.,  Ospanova Sh.S.,  Gabitova Z.Kh. |
|  | Numerical modeling of turbulence characteristics of burning process of the solid fuel in BKZ-420-140-7c combustion chamber | International journal of mechanics. – Vol. 8, 2014. – P. 112-122.  Процентиль – 46.  <https://www.scopus.com/record/display.uri?eid=2-s2.0-84902511189&origin=resultslist> | Askarova A.S.,  Bekmukhamet A.,  Bolegenova S.A.,  Beketayeva М.,  Maximov V.Yu.,  Ospanova Sh.S.,  Gabitova Z.Kh. |