

Список публикаций в международных рецензируемых изданиях

Фамилия претендента: Өмірбеков Сағын Күмісханұлы

Идентификаторы автора (если имеются):

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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 Нурпейсова (Журнал 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.	Experimental and numerical upscaling of foam flow in highly permeable porous media	статья	Advances in Water Resources 2020 https://doi.org/10.1016/j.advwatres.2020.103761	IF:4.51 Q1 Water Resources	WOS:000589896000002	Citescore 7.7 (2020) Percentile 94% Environmental Science (Water Science and Technology)	<u>Sagyn Omirbekov</u> , Hossein Davarzani, Stéfan Colombano, Azita Ahmadi-Senichault	первый автор
2.	Experimental study of non-Newtonian behavior of foam flow in highly permeable porous media	статья	Industrial & Engineering Chemistry Research 2020 https://doi.org/10.1021/acs.iecr.0c00879	IF: 3.76 Q2 Engineering, Chemical	WOS:000550637000028	Citescore 5.6 (2020) Percentile 83% Engineering (Industrial and Manufacturing Engineering) Percentile 81% Chemical Engineering	<u>Sagyn Omirbekov</u> , Hossein Davarzani, Azita Ahmadi-Senichault	первый автор

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						(General Chemical Engineering)		
3.	Experimental study of rheological behavior of foam flow in capillary tubes	статья	Journal of Non-Newtonian Fluid Mechanics 2022 https://doi.org/10.1016/j.jnnfm.2022.104774	IF: 3.1 Q2 Mechanics	WOS:000820991300006	Citescore 5.3 (2022) Percentile 87% Mathematics (Applied Mathematics)	<u>Sagyn Omirbekov</u> , Hossein Davarzani, Bexultan Sabyrbay, Stefan Colombano, Azita Ahmadi-Senichault	первый автор
4.	Influence of the injection of densified polymer suspension on the efficiency of DNAPL displacement in contaminated saturated soils	статья	Journal of Hazardous Materials 2022 https://doi.org/10.1016/j.jhazmat.2022.129702	IF: 13.6 Q1 Engineering, Environmental	WOS:001043988000003	Citescore 20.2 (2022) Percentile 98% Environmental Science (Health, Toxicology and Mutagenesis) Percentile 98% Environmental Science (Environmental Engineering)	Amir Alamooti, Stéfan Colombano, <u>Sagyn Omirbekov</u> , Azita Ahmadi, Fabien Lion, Hossein Davarzani	соавтор
5.	Experimental study of DNAPL displacement by a new densified polymer solution and upscaling problems of aqueous polymer flow in porous media	статья	Journal of Contaminant Hydrology 2023 https://doi.org/10.1016/j.conhyd.2022.104120	IF: 3.5 Q1 Geosciences, Multidisciplinary	WOS:000907142500001	Citescore 6.8 (2023) Percentile 83% Environmental Science (Water Science and Technology)	<u>Sagyn Omirbekov</u> , Stefan Colombano, Amir Alamooti, Ali Batikh, Maxime Cochenne, Yerlan Amanbek, Azita Ahmadi-Senichault, Hossein Davarzani	первый автор и автор для корреспонденции
6.	Surfactant foam injection for remediation of diesel-contaminated soil: A comprehensive study on the role of co-surfactant in foaming formulation enhancement	статья	Science of the Total Environment 2024 https://doi.org/10.1016/j.scitotenv.2024.172631	IF: 8.0 Q1 Environmental Science	WOS:001286916500001	Citescore 16.4 (2024) Percentile 94% Environmental Science (Environmental Engineering)	Adil Baigadilov, Stéfan Colombano, <u>Sagyn Omirbekov</u> , Maxime Cochenne, Dorian Davarzani, Fabien Lion, Laurent Oxarango, Hugues Bodiguel	соавтор

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7.	Predictive Analytics for Sucker Rod Pump Failures in Kazakhstani Oil Wells Using Machine Learning	статья	Applied Sciences 2024 https://doi.org/10.3390/ap142310914	IF: 2.5 Q2 Engineering, Multidisciplinary	WOS:00137 6211900001	Citescore 5.5 (2024) Percentile 79% Engineering (General Engineering)	Laura Utemissova, Timur Merembayev, Bakbergen Bekbau, <u>Sagyn Omirbekov</u>	соавтор
8.	Investigation of Rheological and Flow Properties of Buckwheat Dough with and Without Xanthan and Guar Gums for Optimized 3D Food Printing Across Temperature Variations	статья	Foods 2024 https://doi.org/10.3390/foods13244054	IF: 5.1 Q1 Food Science & Technology	WOS:00138 4378300001	Citescore 8.7 (2024) Percentile 99% Health Professions (Health Professions)	Sholpan Baimaganbetova, <u>Sagyn Omirbekov</u> , Yanwei Wang, Mei-Yen Chan, Didier Talamona	соавтор
9.	Assessment of a novel alcohol-in-biopolymer emulsion for enhanced remediation of diesel-contaminated soils	статья	Journal of Hazardous Materials Advances 2025 https://doi.org/10.1016/j.hazadv.2025.100616	IF: 7.7 Q1 Environmental Science	WOS:00142 8690200001	Citescore 10.4 (2024) Percentile 87% Environmental Science (Environmental Engineering)	Bexultan Sabyrbay, Dorian Davarzani, Christophe Dicharry, <u>Sagyn Omirbekov</u> , Fabien Lion, Amir Alamooti, Melanie Lorthioy, Mohamed Krimissa, Stefan Colombano	соавтор
10.	Stability and flow behavior of polymer-enhanced foams for improved in-situ remediation of hydrocarbons: Effect of polymer-surfactant interactions	статья	Journal of Hazardous Materials 2025 https://doi.org/10.1016/j.jhazmat.2024.137004	IF: 11.3 Q1 Environmental Science	WOS:00142 1885100001	Citescore 24.6 (2024) Percentile 99% Environmental Science (Environmental Engineering)	Adil Baigadilov, Stefan Colombano, <u>Sagyn Omirbekov</u> , Maxime Cochenne, Dorian Davarzani, Fabien Lion, Hugues Bodiguel, Laurent Oxarango	соавтор
11.	Enhanced remediation of diesel-contaminated soils using a novel biopolymer-based emulsion	статья	Journal of Hazardous Materials 2025 https://doi.org/10.1016/j.jhazmat.2025.138183	IF: 11.3 Q1 Environmental Science	WOS:00148 9762500001	Citescore 24.6 (2024) Percentile 99% Environmental Science (Environmental Engineering)	Bexultan Sabyrbay, Dorian Davarzani, Stefan Colombano, <u>Sagyn Omirbekov</u> , Ilyas Kodebay, Melanie Lorthioy, Mohamed Krimissa, Christophe Dicharry	соавтор

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12.	Experimental and numerical study of the effect of polymer flooding on sand production in poorly consolidated porous media	статья	Geoenergy Science and Engineering 2025 https://doi.org/10.1016/j.geoen.2025.213746	IF: 4.6 Q1 Engineering, Petroleum	WOS:00143 0639900001	Citescore 10.7 (2024) Percentile 92% Earth and Planetary Sciences (Geotechnical Engineering and Engineering Geology)	Daniyar Kazidenov, <u>Sagyn Omirbekov</u> , Meruyet Zhanabayeva, Yerlan Amanbek	соавтор
13.	Stability and rheological characterization of colloidal gas aphrons: influence of xanthan gum and sodium dodecyl sulfate	статья	Discover Applied Sciences 2025 https://doi.org/10.1007/s42452-025-06884-8	-	WOS:00148 0667600004	Citescore 6.5 (2024) Percentile 85% Earth and Planetary Sciences (General Earth and Planetary Sciences)	Magzhan Zhumabek, Aziza Kachkinova, Maxime Cochenne, Stéfan Colombano, Yerlan Amanbek, Yanwei Wang, <u>Sagyn Omirbekov</u>	соавтор и автор для корреспонденции
14.	Application of physics-informed neural networks for two-phase flow model with variable diffusion and experimental validation	статья	Results in Engineering 2025 https://doi.org/10.1016/j.rineng.2025.105439	IF: 7.9 Q1 Engineering, Multidisciplinary	WOS:00150 5557300015	Citescore 7.3 (2024) Percentile 86% Engineering (General Engineering)	Daulet Kalesh, Timur Merembayev, <u>Sagyn Omirbekov</u> , Yerlan Amanbek	соавтор
15.	Stability of colloidal gas aphrons based on polymer-surfactant formulations and molecular dynamics insights	статья	Scientific Reports 2025 https://doi.org/10.1038/s41598-025-08100-4	IF: 3.9 Q1 Multidisciplinary	WOS:00152 2003700008	Citescore 6.7 (2024) Percentile 89% Multidisciplinary (Multidisciplinary)	Ayaulym Amankeldiyeva, Samal Kaumbekova, Aigerim Khalidulliyeva, Zhanat Salimova, Aizhan Ibrayeva, Maxime Cochenne, Stéfan Colombano, Yerlan Amanbek, Yanwei Wang, <u>Sagyn Omirbekov</u>	соавтор и автор для корреспонденции
16.	Impact of soil washing using synthetic or biological surfactants, as liquid or foam, on long-term biodegradation potential and soil	статья	Journal of Hazardous Materials Advances 2025 https://doi.org/10.1016/j.hazadv.2025.100855	IF: 7.7 Q1 Environmental Science	-	Citescore 10.4 (2024) Percentile 87% Environmental Science (Environmental Engineering)	Marc Crampon, Florian Cazals, Jonathan Senechaud, Arnault Perrault, <u>Sagyn Omirbekov</u> , Stéfan Colombano	соавтор

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	microbial biodiversity in hydrocarbon-polluted soil: An experimental study							
17.	CFD-DEM modeling of fluid-driven fracture induced by temperature-dependent polymer injection	статья	Particuology 2025 https://doi.org/10.1016/j.partic.2025.08.002	IF: 4.3 Q2 Engineering, Chemical	WOS:00156 6443600001	Citescore 7.4 (2024) Percentile 78% Chemical Engineering (General Chemical Engineering)	Daniyar Kazidenov, <u>Sagyn Omirbekov</u> , Yerlan Amanbek	соавтор
18.	A comprehensive review of hydrogen storage in depleted oil and gas reservoirs: Parameters, experiments, and challenges	статья	Renewable and Sustainable Energy Reviews 2026 https://doi.org/10.1016/j.rser.2025.116123	IF: 16.3 Q1 Energy & Fuels	WOS:00154 4857400003	Citescore 38.0 (2024) Percentile 98% Energy (Renewable Energy, Sustainability and the Environment)	Maral Khanjani, <u>Sagyn Omirbekov</u> , Masoud Riaz	соавтор

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**Список публикаций в сборниках международных научно-практических конференций,
индексируемых в Scopus
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№ п/п	Название трудов	Наименования издательства, Журнала (№, год), №, авт, свид.	Фамилия соавторов работы
1	Optimal Time-Step for Coupled CFD-DEM Model in Sand Production	In: Computational Science and Its Applications – ICCSA 2023. <i>Lecture Notes in Computer Science</i> , vol 14106. Springer, Cham. 2024 https://doi.org/10.1007/978-3-031-37111-0_9	Daniyar Kazidenov, <u>Sagyn Omirbekov</u> , Yerlan Amanbek
2	Effect of Fluid Rheology on Sand Production: Comprehensive Study	In the Proceedings of the 58th ARMA US Rock Mechanics/Geomechanics Symposium 2024 https://doi.org/10.56952/ARMA-2024-1021	<u>Sagyn Omirbekov</u> , Balnur Zhaidarbek, Yerlan Amanbek
3	Comparison of the Different CFD Coupled DEM Models for Polymer Flooding	In: Numerical Mathematics and Advanced Applications ENUMATH 2023. <i>Lecture Notes in Computational Science and Engineering</i> , vol 153. Springer, Cham. 2025 https://doi.org/10.1007/978-3-031-86173-4_7	Yerlan Amanbek, Daniyar Kazidenov, <u>Sagyn Omirbekov</u>
4	Physics Informed Kolmogorov-Arnold Network for Two-Phase Flow Model with Experimental Data	In: Computational Science and Its Applications – ICCSA 2025. <i>Lecture Notes in Computer Science</i> , vol 15888. Springer, Cham. 2025 DOI: https://doi.org/10.1007/978-3-031-97596-7_30	Daulet Kalesh, Timur Merembayev, <u>Sagyn Omirbekov</u> , Yerlan Amanbek

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