

Yerlan Amanbek

List of Publications by Year in descending order

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16
papers

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1651377

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19
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19
docs citations

19
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89
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical simulations of sand production in oil wells using the CFD-DEM-IBM approach. Journal of Petroleum Science and Engineering, 2022, 208, 109529.	2.1	13
2	Inverse properties of a class of seven-diagonal (near) Toeplitz matrices. Special Matrices, 2022, 10, 67-86.	0.2	0
3	Numerical simulations of cone penetration in cemented sandstone. EPJ Web of Conferences, 2021, 249, 14010.	0.1	3
4	A Comparison of Machine Learning Algorithms in Predicting Lithofacies: Case Studies from Norway and Kazakhstan. Energies, 2021, 14, 1896.	1.6	29
5	Explicit inverse of near Toeplitz pentadiagonal matrices related to higher order difference operators. Results in Applied Mathematics, 2021, 11, 100164.	0.5	1
6	Reservoir Simulation of CO2 Storage Using Compositional Flow Model for Geological Formations in Frio Field and Precaspian Basin. Energies, 2021, 14, 8023.	1.6	4
7	Adoption of e-Government in the Republic of Kazakhstan. Journal of Open Innovation: Technology, Market, and Complexity, 2020, 6, 46.	2.6	10
8	A proof of AnÄ'eliÄ±-Fonseca conjectures on the determinant of some Toeplitz matrices and their generalization. Linear and Multilinear Algebra, 2020, , 1-8.	0.5	7
9	Error indicators for incompressible Darcy Flow problems using Enhanced Velocity Mixed Finite Element Method. Computer Methods in Applied Mechanics and Engineering, 2020, 363, 112884.	3.4	10
10	Explicit determinantal formula for a class of banded matrices. Open Mathematics, 2020, 18, 1227-1229.	0.5	6
11	COVID-19 Outbreak in Post-Soviet States: Modeling the Best and Worst Possible Scenarios. Electronic Journal of General Medicine, 2020, 17, em256.	0.3	7
12	Existence of traveling wave solutions to data-driven glioblastoma multiforme growth models with density-dependent diffusion. Mathematical Biosciences and Engineering, 2020, 17, 7234-7247.	1.0	2
13	A priori error analysis for transient problems using Enhanced Velocity approach in the discrete-time setting. Journal of Computational and Applied Mathematics, 2019, 361, 459-471.	1.1	8
14	Adaptive numerical homogenization for upscaling single phase flow and transport. Journal of Computational Physics, 2019, 387, 117-133.	1.9	26
15	Recovery of the Interface Velocity for the Incompressible Flow in Enhanced Velocity Mixed Finite Element Method. Lecture Notes in Computer Science, 2019, , 510-523.	1.0	1
16	Adaptive Homogenization for Upscaling Heterogeneous Porous Medium. , 2017, , .		5