Oleg Volkov

List of Publications by Year
in descending order

13 papers	**206** citations	1163117 **8** h-index	1199594 **12** g-index
13 all docs	**13** docs citations	**13** times ranked	**138** citing authors

#	Article	IF	Citations
1	Comprehensive framework for gradient-based optimization in closed-loop reservoir management. Computational Geosciences, 2015, 19, 877-897.	2.4	48
2	Gradient-based constrained well placement optimization. Journal of Petroleum Science and Engineering, 2018, 171, 1052-1066.	4.2	27
3	Effect of time stepping strategy on adjoint-based production optimization. Computational Geosciences, 2016, 20, 707-722.	2.4	25
4	On optimal reconstruction of constitutive relations. Physica D: Nonlinear Phenomena, 2011, 240, 1228-1244.	2.8	22
5	Adjoint-based optimization of thermo-fluid phenomena in welding processes. Journal of Engineering Mathematics, 2009, 65, 201-220.	1.2	19
6	Joint Optimization of Economic Project Life and Well Controls. SPE Journal, 2018, 23, 482-497.	3.1	16
7	Gradient-based production optimization with simulation-based economic constraints. Computational Geosciences, 2017, 21, 1385-1402.	2.4	10
8	An inverse model for a free-boundary problem with a contact line: Steady case. Journal of Computational Physics, 2009, 228, 4893-4910.	3.8	9
9	A two-stage optimization strategy for large-scale oil field development. Optimization and Engineering, 2022, 23, 361-395.	2.4	9
10	Gradient-based Pareto optimal history matching for noisy data of multiple types. Computational Geosciences, 2018, 22, 1465-1485.	2.4	8
11	Multigroup strategy for well control optimization. Journal of Petroleum Science and Engineering, 2022, 214, 110448.	4.2	7
12	Effective treatment of geometric constraints in derivative-free well placement optimization. Journal of Petroleum Science and Engineering, 2022, 215, 110635.	4.2	6
13	Joint Optimization of Economic Project Life and Well Controls. , 2017, , .		0