Alexander Vladimirsky

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Ordered Upwind Methods for Static Hamilton-Jacobi Equations: Theory and Algorithms. SIAM Journal on Numerical Analysis, 2003, 41, 325-363.	2.3	302
2	The invariant constrained equilibrium edge preimage curve method for the dimension reduction of chemical kinetics. Journal of Chemical Physics, 2006, 124, 114111.	3.0	87
3	A Fast Method for Approximating Invariant Manifolds. SIAM Journal on Applied Dynamical Systems, 2004, 3, 232-260.	1.6	66
4	Optimizing adaptive cancer therapy: dynamic programming and evolutionary game theory. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20192454.	2.6	45
5	Fast Two-scale Methods for Eikonal Equations. SIAM Journal of Scientific Computing, 2012, 34, A547-A578.	2.8	43
6	Homogenization of Metric Hamilton–Jacobi Equations. Multiscale Modeling and Simulation, 2009, 8, 269-295.	1.6	40
7	First-break traveltime tomography with the double-square-root eikonal equation. Geophysics, 2013, 78, U89-U101.	2.6	28
8	A Parallel Two-Scale Method for Eikonal Equations. SIAM Journal of Scientific Computing, 2015, 37, A156-A180.	2.8	19
9	Label-Setting Methods for Multimode Stochastic Shortest Path Problems on Graphs. Mathematics of Operations Research, 2008, 33, 821-838.	1.3	14
10	Numerical Methods for Approximating Invariant Manifolds of Delayed Systems. SIAM Journal on Applied Dynamical Systems, 2009, 8, 1116-1135.	1.6	8
11	Control-Theoretic Models of Environmental Crime. SIAM Journal on Applied Mathematics, 2020, 80, 1441-1466.	1.8	8
12	Deterministic control of randomly-terminated processes. Interfaces and Free Boundaries, 2014, 16, 1-40.	0.8	6
13	Evasive Path Planning Under Surveillance Uncertainty. Dynamic Games and Applications, 2020, 10, 391-416.	1.9	4
14	Corner Cases, Singularities, and Dynamic Factoring. Journal of Scientific Computing, 2019, 79, 1456-1476.	2.3	3
15	Time-Dependent Surveillance-Evasion Games. , 2019, , .		3
16	Anisotropic challenges in pedestrian flow modeling. Communications in Mathematical Sciences, 2018, 16, 1067-1093.	1.0	3
17	Optimal Path-Planning With Random Breakdowns. , 2022, 6, 1658-1663.		3
18	Optimal Stopping with a Probabilistic Constraint. Journal of Optimization Theory and Applications, 2017, 175, 795-817.	1.5	2

IF CITATIONS

19 Stochastic Optimal Control of a Sailboat. , 2022, 6, 2048-2053.

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ARTICLE