

Alexander Vladimirsky

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

685
citations

1039406

9
h-index

940134

16
g-index

20
all docs

20
docs citations

20
times ranked

530
citing authors

#	ARTICLE	IF	CITATIONS
1	Ordered Upwind Methods for Static Hamilton–Jacobi Equations: Theory and Algorithms. <i>SIAM Journal on Numerical Analysis</i> , 2003, 41, 325-363.	1.1	302
2	The invariant constrained equilibrium edge preimage curve method for the dimension reduction of chemical kinetics. <i>Journal of Chemical Physics</i> , 2006, 124, 114111.	1.2	87
3	A Fast Method for Approximating Invariant Manifolds. <i>SIAM Journal on Applied Dynamical Systems</i> , 2004, 3, 232-260.	0.7	66
4	Optimizing adaptive cancer therapy: dynamic programming and evolutionary game theory. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20192454.	1.2	45
5	Fast Two-scale Methods for Eikonal Equations. <i>SIAM Journal of Scientific Computing</i> , 2012, 34, A547-A578.	1.3	43
6	Homogenization of Metric Hamilton–Jacobi Equations. <i>Multiscale Modeling and Simulation</i> , 2009, 8, 269-295.	0.6	40
7	First-break traveltimes tomography with the double-square-root eikonal equation. <i>Geophysics</i> , 2013, 78, U89-U101.	1.4	28
8	A Parallel Two-Scale Method for Eikonal Equations. <i>SIAM Journal of Scientific Computing</i> , 2015, 37, A156-A180.	1.3	19
9	Label-Setting Methods for Multimode Stochastic Shortest Path Problems on Graphs. <i>Mathematics of Operations Research</i> , 2008, 33, 821-838.	0.8	14
10	Numerical Methods for Approximating Invariant Manifolds of Delayed Systems. <i>SIAM Journal on Applied Dynamical Systems</i> , 2009, 8, 1116-1135.	0.7	8
11	Control-Theoretic Models of Environmental Crime. <i>SIAM Journal on Applied Mathematics</i> , 2020, 80, 1441-1466.	0.8	8
12	Deterministic control of randomly-terminated processes. <i>Interfaces and Free Boundaries</i> , 2014, 16, 1-40.	0.2	6
13	Evasive Path Planning Under Surveillance Uncertainty. <i>Dynamic Games and Applications</i> , 2020, 10, 391-416.	1.1	4
14	Corner Cases, Singularities, and Dynamic Factoring. <i>Journal of Scientific Computing</i> , 2019, 79, 1456-1476.	1.1	3
15	Time-Dependent Surveillance-Evasion Games. , 2019, , .		3
16	Anisotropic challenges in pedestrian flow modeling. <i>Communications in Mathematical Sciences</i> , 2018, 16, 1067-1093.	0.5	3
17	Optimal Path-Planning With Random Breakdowns. , 2022, 6, 1658-1663.		3
18	Optimal Stopping with a Probabilistic Constraint. <i>Journal of Optimization Theory and Applications</i> , 2017, 175, 795-817.	0.8	2

#	ARTICLE	IF	CITATIONS
19	Stochastic Optimal Control of a Sailboat. , 2022, 6, 2048-2053.		0