

Tuhin Sahai

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

310
citations

1039406

9
h-index

887659

17
g-index

28
all docs

28
docs citations

28
times ranked

257
citing authors

#	ARTICLE	IF	CITATIONS
1	Estimating the Density of States of Boolean Satisfiability Problems on Classical and Quantum Computing Platforms. Proceedings of the AAAI Conference on Artificial Intelligence, 2020, 34, 1627-1635.	3.6	2
2	Dynamical Systems Theory and Algorithms for NP-hard Problems. Studies in Systems, Decision and Control, 2020, , 183-206.	0.8	4
3	Post Quantum Secure Command and Control of Mobile Agents Inserting quantum-resistant encryption schemes in the Secure Robot Operating System. , 2020, , .		1
4	Continuous relaxations for the traveling salesman problem. Nonlinear Dynamics, 2019, 97, 2003-2022.	2.7	3
5	Spectral Complexity of Directed Graphs and Application to Structural Decomposition. Complexity, 2019, 2019, 1-18.	0.9	9
6	TeLEx: learning signal temporal logic from positive examples using tightness metric. Formal Methods in System Design, 2019, 54, 364-387.	0.9	23
7	Explaining AI Decisions Using Efficient Methods for Learning Sparse Boolean Formulae. Journal of Automated Reasoning, 2019, 63, 1055-1075.	1.1	9
8	Rare Event Simulation of a Rotorcraft System. , 2018, , .		2
9	A spectral assignment approach for the graph isomorphism problem. Information and Inference, 2018, , .	0.9	2
10	On Learning Sparse Boolean Formulae for Explaining AI Decisions. Lecture Notes in Computer Science, 2017, , 99-114.	1.0	7
11	TeLEx: Passive STL Learning Using Only Positive Examples. Lecture Notes in Computer Science, 2017, , 208-224.	1.0	15
12	A chaotic dynamical system that paints and samples. IFAC-PapersOnLine, 2017, 50, 10760-10765.	0.5	3
13	Polynomial chaos based uncertainty quantification in Hamiltonian, multi-time scale, and chaotic systems. Journal of Computational Dynamics, 2014, 1, 357-375.	0.4	3
14	Uncertainty quantification in hybrid dynamical systems. Journal of Computational Physics, 2013, 237, 411-427.	1.9	7
15	Efficient tracking and pursuit of moving targets by heuristic solution of the traveling salesman problem. , 2013, , .		5
16	Polynomial chaos based uncertainty quantification in Hamiltonian and chaotic systems. , 2013, , .		3
17	Uncertainty quantification in hybrid dynamical systems. , 2012, , .		0
18	ITERATIVE METHODS FOR SCALABLE UNCERTAINTY QUANTIFICATION IN COMPLEX NETWORKS. , 2012, 2, 413-439.		7

#	ARTICLE	IF	CITATIONS
19	Hearing the clusters of a graph: A distributed algorithm. Automatica, 2012, 48, 15-24.	3.0	62
20	An efficient algorithm for the parallel solution of high-dimensional differential equations. Journal of Computational and Applied Mathematics, 2011, 235, 3053-3062.	1.1	8
21	Scalable approach to uncertainty quantification and robust design of interconnected dynamical systems. Annual Reviews in Control, 2011, 35, 77-98.	4.4	13
22	Backbone transitions and invariant tori in forced micromechanical oscillators with optical detection. Nonlinear Dynamics, 2010, 62, 273-289.	2.7	2
23	Wave equation based algorithm for distributed eigenvector computation. , 2010, , .		13
24	Uncertainty as a stabilizer of the head-tail ordered phase in carbon-monoxide monolayers on graphite. Physical Review B, 2009, 80, .	1.1	6
25	Modeling of Coupled Dome-Shaped Microoscillators. Journal of Microelectromechanical Systems, 2008, 17, 777-786.	1.7	9
26	Thermomechanical transitions in doubly-clamped micro-oscillators. International Journal of Non-Linear Mechanics, 2007, 42, 596-607.	1.4	30
27	Aircraft Spin Recovery, with and without Thrust Vectoring, Using Nonlinear Dynamic Inversion. Journal of Aircraft, 2005, 42, 1492-1503.	1.7	59
28	Spin Recovery of an Aircraft Using Nonlinear Dynamic Inversion Techniques. , 2004, , .		3