

# Chetan D Pahlajani

## List of Publications by Year in descending order

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Version: 2024-02-01

12  
papers

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1937685  
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docs citations

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Approximation of linear controlled dynamical systems with small random noise and fast periodic sampling. <i>Mathematical Control and Related Fields</i> , 2023, 13, 852-872.	1.1	1
2	Asymptotic Analysis of Discrete-Time Models for Linear Control Systems with Fast Random Sampling. , 2021, , .		0
3	Information-sharing and decision-making in networks of radiation detectors. <i>Autonomous Robots</i> , 2018, 42, 1715-1730.	4.8	3
4	Decision-Making Accuracy for Sensor Networks with Inhomogeneous Poisson Observations. Springer Proceedings in Advanced Robotics, 2018, , 177-190.	1.3	0
5	Optimal Navigation for Vehicles With Stochastic Dynamics. <i>IEEE Transactions on Control Systems Technology</i> , 2015, 23, 2003-2009.	5.2	5
6	Performance bounds for mismatched decision schemes with Poisson process observations. <i>Systems and Control Letters</i> , 2015, 75, 69-76.	2.3	2
7	Networked Decision Making for Poisson Processes With Applications to Nuclear Detection. <i>IEEE Transactions on Automatic Control</i> , 2014, 59, 193-198.	5.7	23
8	Error probability bounds for nuclear detection: Improving accuracy through controlled mobility. <i>Automatica</i> , 2014, 50, 2470-2481.	5.0	18
9	Decision making in sensor networks observing poisson processes. , 2013, , .		7
10	Stochastic receding horizon control for robots with probabilistic state constraints. , 2012, , .		12
11	Stochastic reduction method for biological chemical kinetics using time-scale separation. <i>Journal of Theoretical Biology</i> , 2011, 272, 96-112.	1.7	16
12	Probability of success in stochastic robot navigation with state feedback. , 2011, , .		11