

# Afsar Saranli

## List of Publications by Year in descending order

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Version: 2024-02-01

27  
papers

301  
citations

1163117

8  
h-index

1058476

14  
g-index

27  
all docs

27  
docs citations

27  
times ranked

292  
citing authors

#	ARTICLE	IF	CITATIONS
1	Reinforcement Learning versus Conventional Control for Controlling a Planar Bi-rotor Platform with Tail Appendage. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , 2021, 102, 1.	3.4	10
2	Feature Detection Performance Based Benchmarking of Motion Deblurring Methods: Applications to Vision for Legged Robots. <i>Image and Vision Computing</i> , 2019, 82, 26-38.	4.5	5
3	Multi-Frame motion deblurring of video using the natural oscillatory motion of dexterous legged robots. <i>IET Image Processing</i> , 2019, 13, 1502-1508.	2.5	2
4	RG-Trees: Trajectory-Free Feedback Motion Planning Using Sparse Random Reference Governor Trees. , 2018, , .		6
5	Motion deblurring utilizing the variable speed egomotion of camera and comparison based on corner feature points. , 2017, , .		0
6	A real-time inertial motion blur metric: Application to frame triggering based motion blur minimization. , 2014, , .		3
7	Lagrangian based mathematical modeling and experimental validation of a planar stabilized platform for mobile systems. <i>Journal of Computational and Applied Mathematics</i> , 2014, 259, 955-964.	2.0	4
8	Optimal control of a half-circular compliant legged monopod. <i>Control Engineering Practice</i> , 2014, 33, 10-21.	5.5	6
9	A real-time inertial motion blur metric. , 2014, , .		0
10	Acoustic surface perception from naturally occurring step sounds of a dexterous hexapod robot. <i>Mechanical Systems and Signal Processing</i> , 2013, 40, 178-193.	8.0	16
11	An FPGA based high performance optical flow hardware design for computer vision applications. <i>Microprocessors and Microsystems</i> , 2013, 37, 270-286.	2.8	40
12	Joint Optimization of Detection and Tracking in Adaptive Radar Systems. , 2013, , 111-143.		1
13	Acoustic Surface Perception for Improved Mobility of Legged Robots. , 2012, , .		1
14	A comparative evaluation of adaptive and non-adaptive Sliding Mode, LQR & PID control for platform stabilization. , 2012, , .		3
15	Characterization and calibration of MEMS inertial sensors for state and parameter estimation applications. <i>Measurement: Journal of the International Measurement Confederation</i> , 2012, 45, 1210-1225.	5.0	78
16	Threshold Optimization for Tracking a Nonmaneuvering Target. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2011, 47, 2844-2859.	4.7	15
17	A tracker-aware detector threshold optimization formulation for tracking maneuvering targets in clutter. <i>Signal Processing</i> , 2011, 91, 2213-2221.	3.7	9
18	Tracker-aware adaptive detection: An efficient closed-form solution for the Neyman-Pearson case. , 2010, 20, 1468-1481.		14

#	ARTICLE	IF	CITATIONS
19	Control of underactuated planar hexapedal pronking through a dynamically embedded SLIP monopod. , 2010, , .		5
20	Study on Q-RAM and Feasible Directions Based Methods for Resource Management in Phased Array Radar Systems. IEEE Transactions on Aerospace and Electronic Systems, 2010, 46, 1848-1864.	4.7	23
21	An optimal radar detector threshold adaptation for maneuvering targets in clutter. , 2009, , .		0
22	Development of a closed-form solution for instantaneous threshold optimization using modified riccati equation. , 2008, , .		0
23	Performance comparison of target tracking algorithms in underwater environment. , 2008, , .		0
24	A statistical unified framework for rank-based multiple classifier decision combination. Pattern Recognition, 2001, 34, 865-884.	8.1	26
25	On output independence and complementariness in rank-based multiple classifier decision systems. Pattern Recognition, 2001, 34, 2319-2330.	8.1	8
26	Complexity reduction in radial basis function (RBF) networks by using radial B-spline functions. Neurocomputing, 1998, 18, 183-194.	5.9	26
27	A Study on the Convergence Properties of Evolution Strategies (ES) with a Case Study on Finding the Global Optimum Solution of the Multi-Pulse Excitation Problem. Turkish Journal of Electrical Engineering and Computer Sciences, 1997, 5, 325-346.	1.4	0