

# Chang-Hee Won

## List of Publications by Year in descending order

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Version: 2024-02-01

64  
papers

495  
citations

933447

10  
h-index

839539

18  
g-index

65  
all docs

65  
docs citations

65  
times ranked

315  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fast alignment using rotation vector and adaptive Kalman filter. IEEE Transactions on Aerospace and Electronic Systems, 2006, 42, 70-83.	4.7	56
2	Topology Preserving Relaxation Labeling for Nonrigid Point Matching. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2011, 33, 427-432.	13.9	55
3	Comparative study of various control methods for attitude control of a LEO satellite. Aerospace Science and Technology, 1999, 3, 323-333.	4.8	52
4	Cumulants and Risk-Sensitive Control: A Cost Mean and Variance Theory with Application to Seismic Protection of Structures. , 2000, , 427-459.		32
5	DGPS/IMU integration-based geolocation system: Airborne experimental test results. Aerospace Science and Technology, 2009, 13, 316-324.	4.8	30
6	High-Resolution Tactile Imaging Sensor Using Total Internal Reflection and Nonrigid Pattern Matching Algorithm. IEEE Sensors Journal, 2011, 11, 2084-2093.	4.7	26
7	Multispectral visible and infrared imaging for face recognition. , 2008, , .		22
8	Cumulant minimization and robust control. , 1992, , 411-425.		16
9	Tactile Sensing Systems for Tumor Characterization: A Review. IEEE Sensors Journal, 2021, 21, 12578-12588.	4.7	14
10	In-plane dead reckoning with knee and waist attached gyroscopes. Measurement: Journal of the International Measurement Confederation, 2011, 44, 1860-1868.	5.0	13
11	Characterization of Mammary Tumors Using Noninvasive Tactile and Hyperspectral Sensors. IEEE Sensors Journal, 2014, 14, 3337-3344.	4.7	13
12	Cumulants in risk-sensitive control: the full-state-feedback cost variance case. , 0, , .		12
13	Computer-Aided Diagnosis Algorithm for Classification of Malignant Melanoma Using Deep Neural Networks. Sensors, 2021, 21, 5551.	3.8	12
14	Nonlinear n-th Cost Cumulant Control and Hamilton-Jacobi-Bellman Equations for Markov Diffusion Process. , 0, , .		11
15	The Tactile Sensation Imaging System for Embedded Lesion Characterization. IEEE Journal of Biomedical and Health Informatics, 2013, 17, 452-458.	6.3	11
16	Cumulant Control Systems: The Cost-Variance, Discrete-Time Case. , 2008, , 29-41.		11
17	Mission Analysis and Planning System for Korea Multipurpose Satellite-I. ETRI Journal, 1999, 21, 29-40.	2.0	10
18	Fuel- or Time-Optimal Transfers Between Coplanar, Coaxial Ellipses Using Lambert's Theorem. Journal of Guidance, Control, and Dynamics, 1999, 22, 536-542.	2.8	8

#	ARTICLE	IF	CITATIONS
19	Dimension-Reduced Radio Astronomical Imaging Based on Sparse Reconstruction. , 2018, , .		7
20	Statistical control of control-affine nonlinear systems with nonquadratic cost functions: HJB and verification theorems. Automatica, 2010, 46, 1636-1645.	5.0	6
21	Knee and waist attached gyroscopes for personal navigation: Comparison of knee, waist and foot attached inertial sensors. , 2010, , .		6
22	Non-invasive mechanical properties estimation of embedded objects using tactile imaging sensor. , 2013, , .		6
23	Risk Score Based Pre-Screening of Breast Tumor Using Compression Induced Sensing System. IEEE Sensors Journal, 2018, 18, 4038-4045.	4.7	6
24	Dynamic positioning sensing system for estimating size and depth of embedded object. , 2015, , .		5
25	$\gamma$ -Player Statistical Nash Game Control: $m$ -th Cost Cumulant Optimization. IEEE Transactions on Automatic Control, 2016, 61, 2688-2694.	5.7	5
26	Statistical Stackelberg game control: Open-loop minimal cost variance case. Automatica, 2019, 101, 338-344.	5.0	5
27	Satellite attitude control using statistical game theory. , 2008, , .		4
28	Inclusion mechanical property estimation using tactile images, finite element method, and artificial neural network. , 2011, 2011, 14-7.		4
29	Statistical Control for Performance Shaping Using Cost Cumulants. IEEE Transactions on Automatic Control, 2014, 59, 249-255.	5.7	4
30	Hyperspectral imaging system to discern malignant and benign canine mammary tumors. Proceedings of SPIE, 2013, , .	0.8	3
31	Tactile Imaging System for inclusion size and stiffness characterization. , 2015, , .		3
32	Classification of breast masses using Tactile Imaging System and machine learning algorithms. , 2016, , .		3
33	Bimodal Dynamic Imaging System for Embedded Inclusion Characterization. IEEE Sensors Journal, 2016, 16, 6062-6071.	4.7	3
34	Tactile Sensation Imaging for Artificial Palpation. Lecture Notes in Computer Science, 2010, , 373-378.	1.3	3
35	Cost Moment Control and Verification Theorem for Nonlinear Stochastic Systems. , 2006, , .		2
36	Two player statistical game with higher order cumulants. , 2010, , .		2

#	ARTICLE	IF	CITATIONS
37	Dynamic imaging system for mechanical and spectral properties estimation. , 2015, , .		2
38	Cost-Cumulants and Risk-Sensitive Control. , 2005, , 1061-1068.		2
39	Output Feedback Multiobjective Cumulant Control with Structural Applications. Proceedings of the American Control Conference, 2007, , .	0.0	1
40	Discrete-time, Bi-cumulant minimax and Nash games. , 2007, , .		1
41	Orientation Accuracy Analysis of Multiple Satellite Network Using Epidemic Model. , 2007, , .		1
42	Discounted cost infinite time horizon cumulant control. , 2009, , .		1
43	Characterization of lung tissues using liquid-crystal tunable filter and hyperspectral imaging system. , 2009, 2009, 1416-9.		1
44	Orientation accuracy analysis of multiple satellite networks using epidemic model. International Journal of Systems Science, 2009, 40, 799-820.	5.5	1
45	Adaptive Neural replication and resilient control despite malicious attacks. , 2012, , .		1
46	Tactile and hyperspectral imaging sensors for mammary tumor characterization. , 2013, , .		1
47	Introduction and Literature Survey of Statistical Control: Going Beyond the Mean. , 2008, , 3-27.		1
48	Interpretations of risk-sensitivity in dynamic optimization of circuit and systems. , 0, , .		0
49	Satellite formation flying via Lyapunov stabilization. , 2007, , .		0
50	N player Nash cumulant games. , 2008, , .		0
51	Second cumulant statistical control with indefinite control weight. , 2008, , .		0
52	Determining the operative line of resection for image-guided emphysema surgery using a laser scanner and non-rigid registration. International Journal of Medical Robotics and Computer Assisted Surgery, 2010, 6, 239-249.	2.3	0
53	Nonlinear second cost cumulant control using Hamilton-Jacobi-Bellman equation and neural network approximation. , 2010, , .		0
54	Tactile sensation imaging system for inclusion characterization. Proceedings of SPIE, 2011, , .	0.8	0

#	ARTICLE	IF	CITATIONS
55	Normal force estimation using tactile imaging sensor. , 2012, , .		0
56	Tissue elasticity measurement method using forward and inversion algorithms. Proceedings of SPIE, 2013, , .	0.8	0
57	Cyber-physical tactile imaging system for malignant tumor identification. , 2013, , .		0
58	Resilient cumulant game control for cyber-physical systems. , 2015, , .		0
59	Live demonstration: Tactile imaging sensor for mechanical properties quantification of breast tumor. , 2015, , .		0
60	Smartphone-based Compression-Induced Scope with Temperature Sensor for Inflammatory Breast Cancer Screening. , 2018, 2018, 4969-4972.		0
61	A Multiobjective Cumulant Control Problem. , 2008, , 99-125.		0
62	Itchy skin region detection using hyperspectral imaging. , 2018, , .		0
63	Hybrid Hierarchical Statistical Control of Robotic Manipulators. , 2022, , .		0
64	Tissue Viscoelasticity Quantification Using Smartphone Tactile Imaging Probe With an Indenter and Viscoelastic Pitting Recovery Model. IEEE Sensors Journal, 2022, 22, 15365-15372.	4.7	0