

Wook Hyun Kwon

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

95 papers	3,132 citations	24 h-index	55 g-index
141 ext. papers	3,979 ext. citations	3.4 avg, IF	4.77 L-index

#	Paper	IF	Citations
95	Guaranteed Cost Controls. <i>Communications and Control Engineering</i> , 2019 , 133-185	0.6	
94	Stability of Time-Delay Systems. <i>Communications and Control Engineering</i> , 2019 , 27-63	0.6	1
93	State Feedback Stabilizing Controls. <i>Communications and Control Engineering</i> , 2019 , 65-93	0.6	
92	Active Channel Reservation for Coexistence Mechanism (ACROS) for IEEE 802.15.4 and IEEE 802.11. <i>IEICE Transactions on Communications</i> , 2010 , E93-B, 2082-2087	0.5	4
91	LMS finite memory estimators for discrete-time state space models 2009 ,		1
90	Rapid control prototyping for robot soccer. <i>Robotica</i> , 2009 , 27, 1091-1102	2.1	1
89	A Continuous-Time Recursive Fixed-Lag Smoother Converging in Finite Time. <i>IEEE Transactions on Automatic Control</i> , 2009 , 54, 1613-1618	5.9	4
88	A Best Lag Size of Minimum Variance FIR Smoothers. <i>IEEE Signal Processing Letters</i> , 2009 , 16, 307-310	3.2	1
87	Best Linear Unbiased Fir Filters For Continuous-Time State Space Models. <i>Asian Journal of Control</i> , 2008 , 3, 1-9	1.7	2
86	RECEDING HORIZON H ₂ CONTROL FOR SYSTEMS WITH A STATE-DELAY. <i>Asian Journal of Control</i> , 2008 , 8, 63-71	1.7	13
85	Receding Horizon Controls for Input-Delayed Systems. <i>IEEE Transactions on Automatic Control</i> , 2008 , 53, 1746-1752	5.9	23
84	Robust FIR Filters for Linear Continuous-Time State-Space Models With Uncertainties. <i>IEEE Signal Processing Letters</i> , 2008 , 15, 621-624	3.2	1
83	A Note on Two-Filter Smoothing Formulas. <i>IEEE Transactions on Automatic Control</i> , 2008 , 53, 849-854	5.9	9
82	FIR Filters for Stationary State Space Signal Models. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2008 , 41, 3701-3706		
81	Packet Error Rate Analysis of ZigBee Under WLAN and Bluetooth Interferences. <i>IEEE Transactions on Wireless Communications</i> , 2007 , 6, 2825-2830	9.6	117
80	DCA: Duty-Cycle Adaptation Algorithm for IEEE 802.15.4 Beacon-Enabled Networks. <i>IEEE Vehicular Technology Conference</i> , 2007 ,	0.1	30
79	Minimum Variance FIR Smoothers for Continuous-Time State Space Signal Models. <i>IEEE Signal Processing Letters</i> , 2007 , 14, 1024-1027	3.2	8

78	A Robust FIR Filter for Linear Discrete-Time StateSpace Signal Models With Uncertainties. <i>IEEE Signal Processing Letters</i> , 2007 , 14, 553-556	3.2	6
77	Performance analysis of single Bluetooth piconet in error-prone environments. <i>Journal of Communications and Networks</i> , 2007 , 9, 229-235	4.1	1
76	Minimum Variance FIR Smoothers for Discrete-Time State Space Models. <i>IEEE Signal Processing Letters</i> , 2007 , 14, 557-560	3.2	30
75	Direct Width Control Systems Based on Width Prediction Models in Hot Strip Mill. <i>ISIJ International</i> , 2007 , 47, 105-113	1.7	8
74	Receding horizon control for input-delayed systems 2007 ,		1
73	L_2 -E ∞ FIR Smoothers for Deterministic Discrete-Time StateSpace Signal Models. <i>IEEE Transactions on Automatic Control</i> , 2007 , 52, 927-932	5.9	12
72	H_∞ Finite Memory Controls for Linear Discrete-Time State-Space Models. <i>IEEE Transactions on Circuits and Systems Part 2: Express Briefs</i> , 2007 , 54, 97-101		40
71	Adaptive Channel State Routing for Home Network Systems Using Power Line Communications. <i>IEEE Transactions on Consumer Electronics</i> , 2007 , 53, 1410-1418	4.8	11
70	An Enhanced CSMA-CA Algorithm for IEEE 802.15.4 LR-WPANs. <i>IEEE Communications Letters</i> , 2007 , 11, 461-463	3.8	38
69	ECAP: A Bursty Traffic Adaptation Algorithm for IEEE 802.15.4 Beacon-Enabled Networks. <i>IEEE Vehicular Technology Conference</i> , 2007 ,	0.1	8
68	Sufficient LMI conditions for H_2 output feedback stabilization of linear discrete-time systems. <i>IEEE Transactions on Automatic Control</i> , 2006 , 51, 675-680	5.9	65
67	Fixed-lag Minimum Variance FIR Smoothers for Continuous-time Systems 2006 ,		2
66	RECEDING HORIZON FINITE MEMORY OUTPUT TRACKING CONTROL AND ITS APPLICATION TO INVERTED PENDULUM CONTROL. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2006 , 39, 403-408		
65	Design and implementation of home network control protocol on OSGi for home automation system 2005 ,		4
64	Lecture Notes in Computer Science:Packet Error Rate Analysis of IEEE 802.15.4 Under IEEE 802.11b Interference. <i>Lecture Notes in Computer Science</i> , 2005 , 279-288	0.9	35
63	RECEDING HORIZON NEURAL H_2 CONTROL FOR A CLASS OF NONLINEAR UNKNOWN SYSTEMS. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2005 , 38, 960-965		
62	RECEDING HORIZON FINITE MEMORY CONTROLS FOR OUTPUT FEEDBACK CONTROLS OF DISCRETE-TIME STATE SPACE SYSTEMS. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2005 , 38, 17-22		3
61	NEW RECURSIVE LEAST SQUARE ALGORITHMS WITHOUT USING THE INITIAL INFORMATION. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2005 , 38, 137-141		2

60	Spatial and Temporal Multi-Aggregation for State-Based Sensor Data in Wireless Sensor Networks. <i>Telecommunication Systems</i> , 2004 , 26, 161-179	2.3	3
59	A nonlinear minimization approach to multiobjective and structured controls for discrete-time systems. <i>International Journal of Robust and Nonlinear Control</i> , 2004 , 14, 1327-1343	3.6	8
58	Receding horizon finite memory controls for output feedback controls of state-space systems. <i>IEEE Transactions on Automatic Control</i> , 2004 , 49, 1905-1915	5.9	12
57	Stabilizing static output feedback receding horizon controls for linear discrete time-invariant systems. <i>International Journal of Control</i> , 2003 , 76, 1437-1445	1.5	
56	Minimax L2-E2 FIR filters for deterministic continuous-time state space signal models. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2003 , 36, 1029-1034		
55	Response Time Driven Scheduling for Programmable Logic Controllers with Network-Based I/O Systems. <i>Real-Time Systems</i> , 2003 , 25, 67-91	1.3	2
54	Maximum allowable delay bounds of networked control systems. <i>Control Engineering Practice</i> , 2003 , 11, 1301-1313	3.9	238
53	A simple receding horizon control for state delayed systems and its stability criterion. <i>Journal of Process Control</i> , 2003 , 13, 539-551	3.9	43
52	Time-Domain FIR Filters for Stochastic and Deterministic Systems 2003 , 45-62		
51	A receding horizon unbiased FIR filter for discrete-time state space models. <i>Automatica</i> , 2002 , 38, 545-551	5.7	119
50	A new identification approach for FIR models. <i>IEEE Transactions on Circuits and Systems Part 2: Express Briefs</i> , 2002 , 49, 439-446		8
49	Quasi-deadbeat minimax filters for deterministic state-space models. <i>IEEE Transactions on Automatic Control</i> , 2002 , 47, 1904-1908	5.9	28
48	DELAY-DEPENDENT ROBUST STABILIZATION OF UNCERTAIN DISCRETE-TIME STATE-DELAYED SYSTEMS. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2002 , 35, 261-266		14
47	A scheduling method for network-based control systems. <i>IEEE Transactions on Control Systems Technology</i> , 2002 , 10, 318-330	4.8	122
46	Comments on "Optimal solution of the two-stage Kalman estimator. <i>IEEE Transactions on Automatic Control</i> , 2002 , 47, 198-199	5.9	7
45	Receding horizon predictive control for nonlinear time-delay systems with and without input constraints. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2001 , 34, 239-244		1
44	A stabilizing static output feedback receding horizon control for linear discrete time-invariant systems. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2001 , 34, 673-678		
43	Scheduling Analysis for Networked Control Systems. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2001 , 34, 77-82		

42	Robust stabilization of uncertain input-delayed systems using reduction method. <i>Automatica</i> , 2001 , 37, 307-312	5.7	120
41	Delay-dependent guaranteed cost control for uncertain state-delayed systems 2001 ,		1
40	Delay-dependent robust stabilization of uncertain state-delayed systems. <i>International Journal of Control</i> , 2001 , 74, 1447-1455	1.5	1049
39	Receding-horizon unbiased FIR filters for continuous-time state-space models without a priori initial state information. <i>IEEE Transactions on Automatic Control</i> , 2001 , 46, 766-770	5.9	33
38	Stabilizing receding horizon H_{∞} controls for linear continuous time-varying systems. <i>IEEE Transactions on Automatic Control</i> , 2001 , 46, 1273-1279	5.9	16
37	On receding horizon controls for time-delay systems. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2000 , 33, 175-180		
36	Estimation and detection of unknown inputs using optimal FIR filter. <i>Automatica</i> , 2000 , 36, 1481-1488	5.7	22
35	Intervalwise receding horizon H_{∞} tracking control for discrete linear periodic systems. <i>IEEE Transactions on Automatic Control</i> , 2000 , 45, 747-752	5.9	14
34	On stabilizing receding horizon controls for linear continuous time-invariant systems. <i>IEEE Transactions on Automatic Control</i> , 2000 , 45, 1329-1334	5.9	24
33	A receding horizon Kalman FIR filter for linear continuous-time systems. <i>IEEE Transactions on Automatic Control</i> , 1999 , 44, 2115-2120	5.9	47
32	Robust one-step receding horizon control for constrained systems. <i>International Journal of Robust and Nonlinear Control</i> , 1999 , 9, 381-395	3.6	19
31	A receding horizon Kalman FIR filter for discrete time-invariant systems. <i>IEEE Transactions on Automatic Control</i> , 1999 , 44, 1787-1791	5.9	126
30	On Stability of Constrained Receding Horizon Control with Finite Terminal Weighting Matrix. <i>Automatica</i> , 1998 , 34, 1607-1612	5.7	119
29	Genetic-based fuzzy control for half-car active suspension systems. <i>International Journal of Systems Science</i> , 1998 , 29, 699-710	2.3	6
28	A delay-dependent robust stability criterion for uncertain time-delay systems 1998 ,		1
27	A scheduling method for network-based control systems 1998 ,		1
26	Delay-Dependent Robust Stabilization of Uncertain Time-Delay Systems. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 1998 , 31, 619-624		
25	Short-time Fourier analysis via optimal harmonic FIR filters. <i>IEEE Transactions on Signal Processing</i> , 1997 , 45, 1535-1542	4.8	21

24	Autopilot Design for Bank-to-Turn Missiles Using Receding Horizon Predictive Control Scheme. <i>Journal of Guidance, Control, and Dynamics</i> , 1997 , 20, 1248-1254	2.1	12
23	Robust generalised predictive control with terminal output weightings. <i>Journal of Process Control</i> , 1996 , 6, 137-144	3.9	3
22	Bounds in algebraic Riccati and Lyapunov equations: a survey and some new results. <i>International Journal of Control</i> , 1996 , 64, 377-389	1.5	65
21	Fast algorithms for optimal FIR filter and smoother of discrete-time state-space models. <i>Automatica</i> , 1994 , 30, 489-492	5.7	12
20	. <i>IEEE Transactions on Automatic Control</i> , 1994 , 39, 159-162	5.9	125
19	Partition of GPC into a State Observer and a State Feedback Controller 1992 ,		2
18	Recursive solution of generalized predictive control and its equivalence to receding horizon tracking control. <i>Automatica</i> , 1992 , 28, 1235-1238	5.7	15
17	Allowable parameter variations and robustness recovery in LQG regulators. <i>International Journal of Robust and Nonlinear Control</i> , 1991 , 1, 33-42	3.6	5
16	Performance improvement using time delays in multivariable controller design. <i>International Journal of Control</i> , 1990 , 52, 1455-1473	1.5	29
15	Delayed State Feedback Controller for the Stabilization of Ordinary Systems 1989 ,		5
14	Receding horizon tracking control as a predictive control and its stability properties. <i>International Journal of Control</i> , 1989 , 50, 1807-1824	1.5	55
13	FIR filters and recursive forms for discrete-time state-space models. <i>Automatica</i> , 1989 , 25, 715-728	5.7	73
12	Genetic-based fuzzy control for automotive active suspensions		1
11	Stability and a scheduling method for network-based control systems		2
10	Receding horizon control for linear discrete systems with jump parameters		6
9	Scheduling algorithm for programmable logic controllers with remote I/Os		1
8	Improved concept for derivation of velocity profiles for elevator systems		2
7	Implementation of virtual factory using MMS companion standard		2

6	Geometric kinematics modeling of omni-directional autonomous mobile robot and its applications	2
5	Receding horizon FIR filter with estimated horizon initial state and its application to aircraft engine systems	1
4	Real-time distributed software-in-the-loop simulation for distributed control systems	1
3	Elevator group control with accurate estimation of Hall call waiting times	3
2	An architecture for a network based robot control system	1
1	FPGA-based implementation of Synchronous Petri Nets	1