Tae-Sic Yoo

List of Publications by Year
in descending order

50 papers	**1,258** citations	623734 **14** h-index	395702 **33** g-index
54 all docs	**54** docs citations	**54** times ranked	**391** citing authors

#	Article	IF	Citations
1	Polynomial-time verification of diagnosability of partially observed discrete-event systems. IEEE Transactions on Automatic Control, 2002, 47, 1491-1495.	5.7	315
2	A General Architecture for Decentralized Supervisory Control of Discrete-Event Systems. Discrete Event Dynamic Systems: Theory and Applications, 2002, 12, 335-377.	1.5	196
3	Diagnosis of Discrete Event Systems Using Decentralized Architectures. Discrete Event Dynamic Systems: Theory and Applications, 2007, 17, 233-263.	1.5	127
4	Decentralized Supervisory Control With Conditional Decisions: Supervisor Existence. IEEE Transactions on Automatic Control, 2004, 49, 1886-1904.	5.7	78
5	NP-completeness of sensor selection problems arising in partially observed discrete-event systems. IEEE Transactions on Automatic Control, 2002, 47, 1495-1499.	5.7	71
6	Diagnosability of stochastic discrete-event systems under unreliable observations. , 2008, , .		36
7	Model-based detection of routing events in discrete flow networks. Automatica, 2005, 41, 583-594.	5.0	29
8	Diagnosis of behaviors of interest in partially-observed discrete-event systems. Systems and Control Letters, 2008, 57, 1023-1029.	2.3	29
9	Development of Computational Models for the Mark-IV Electrorefiner—Effect of Uranium, Plutonium, and Zirconium Dissolution at the Fuel Basket-Salt Interface. Nuclear Technology, 2010, 171, 276-284.	1.2	29
10	Decentralized Diagnosis of Discrete Event Systems using Unconditional and Conditional Decisions. , 0, , .		24
11	A Computational Model of the Mark-IV Electrorefiner: Phase I—Fuel Basket/Salt Interface. Journal of Engineering for Gas Turbines and Power, 2009, 131, .	1.1	18
12	Thermal analysis of projected molten salt compositions during FFTF and EBR-II used nuclear fuel processing. Journal of Nuclear Materials, 2019, 520, 87-95.	2.7	17
13	SELECTIVE REDUCTION OF ACTIVE METAL CHLORIDES FROM MOLTEN LiCl-KCl USING LITHIUM DRAWDOWN. Nuclear Engineering and Technology, 2012, 44, 767-772.	2.3	17
14	Computational Model of the Mark-IV Electrorefiner: Two-Dimensional Potential and Current Distributions. Nuclear Technology, 2011, 173, 176-182.	1.2	16
15	Characterization of Irradiated Metal Waste from the Pyrometallurgical Treatment of Used EBR-II Fuel. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2015, 46, 83-92.	2.2	15
16	Salt-Zeolite Ion-Exchange Equilibrium Studies for a Complete Set of Fission Products in Molten LiCl-KCl. Nuclear Technology, 2010, 171, 306-315.	1.2	14
17	A diagnoser algorithm for anomaly detection in DEDS under partial and unreliable observations: characterization and inclusion in sensor configuration optimization. Discrete Event Dynamic Systems: Theory and Applications, 2013, 23, 61-91.	1.5	14
18	Deciding co-observability is pspace-complete. IEEE Transactions on Automatic Control, 2003, 48, 1995-1999.	5.7	13

#	Article	IF	Citations
19	Decentralized supervisory control with conditional decisions: supervisor realization. IEEE Transactions on Automatic Control, 2005, 50, 1205-1211.	5.7	13
20	Solvability of Centralized Supervisory Control Under Partial Observation. Discrete Event Dynamic Systems: Theory and Applications, 2006, 16, 527-553.	1.5	13
21	A General Architecture for Decentralized Supervisory Control of Discrete-Event Systems. , 2000, , 111-118.		12
22	On the Computation of Supremal Sublanguages Relevant to Supervisory Control. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 175-180.	0.4	11
23	History and status of spent fuel treatment at the INL Fuel Conditioning Facility. Progress in Nuclear Energy, 2022, 143, 104037.	2.9	11
24	Event Counting of Partially-Observed Discrete-Event Systems with Uniformly and Nonuniformly Bounded Diagnosis Delays. Discrete Event Dynamic Systems: Theory and Applications, 2009, 19, 167-187.	1.5	10
25	Review—Electrochemical Measurements in Molten Salt Systems: A Guide and Perspective. Journal of the Electrochemical Society, 2019, 166, D645-D659.	2.9	10
26	On the computational complexity of some problems arising in partially-observed discrete-event systems. , 2001, , .		9
27	Stochastic event counter for discrete-event systems under unreliable observations. , 2008, , .		9
28	Liquid cadmium cathode performance model based on the equilibrium behaviors of U and Pu in molten LiCl–KCl/Cd system at 500°C. Journal of Nuclear Materials, 2020, 528, 151883.	2.7	9
29	Application of process monitoring to anomaly detection in nuclear material processing systems via system-centric event interpretation of data from multiple sensors of varying reliability. Annals of Nuclear Energy, 2017, 103, 60-73.	1.8	7
30	Uranium exchange kinetics in a molten LiCl-KCl/Cd system at 500°C. Journal of Nuclear Materials, 2018, 508, 521-529.	2.7	7
31	A new inventory tracking method for Mark-V electrorefiner. Annals of Nuclear Energy, 2019, 128, 406-413.	1.8	7
32	Analysis and Modeling of Oxide Reduction Processes for Uranium Oxides. Journal of Nuclear Materials, 2021, 545, 152625.	2.7	6
33	New results on decentralized supervisory control of discrete-event systems. , 0, , .		5
34	Quantitative calculations on the reoxidation behavior of oxide reduction system for pyroprocessing. Journal of Radioanalytical and Nuclear Chemistry, 2017, 313, 155-159.	1.5	5
35	Analysis of undissolved anode materials of Mark-IV electrorefiner. Journal of Nuclear Materials, 2018, 510, 551-555.	2.7	5
36	Analysis and modeling of the equilibrium behaviors of U and Pu in molten LiCl-KCl/Cd system at 500°C. Journal of Nuclear Materials, 2018, 508, 51-62.	2.7	5

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37	Deliquescence of Eutectic LiCl-KCl Diluted with NaCl for Interim Waste Salt Storage. Nuclear Technology, 2022, 208, 310-317.	1.2	5
38	Diagnostic décentralisé des systèmes à évènements discrets. Journal Europeen Des Systemes Automatises, 2005, 39, 95-110.	0.4	5
39	New results on discrete-event counting under reliable and unreliable observation information. , 0, , .		4
40	Nuclear material input accountancy with a representative sampling method. Annals of Nuclear Energy, 2020, 135, 106970.	1.8	4
41	Sensor configuration selection for discrete-event systems under unreliable observations. , 2010, , .		3
42	Electrochemical measurement and analysis of YCl3, ScCl3, GdCl3 and MgCl2 in molten eutectic LiCl-KCl. Journal of Electroanalytical Chemistry, 2021, 899, 115689.	3.8	3
43	Sequential window diagnoser for discrete-event systems under unreliable observations. , 2009, , .		2
44	Decentralized supervisory control: a new architecture with a dynamic decision fusion rule. , 0, , .		1
45	Radioactive Decay Computation with Dynamic Source Terms. Nuclear Science and Engineering, 2019, 193, 549-553.	1.1	1
46	Modeling and experimental validation of rotary riffling method for nuclear material input accountancy. Annals of Nuclear Energy, 2020, 148, 107688.	1.8	1
47	Recent Advances on the Control of Partially-Observed Discrete-Event Systems. , 2002, , 3-17.		1
48	Intruder Activity Analysis under Unreliable Sensor Networks. , 2007, , .		0
49	Selecting observation platforms for optimized anomaly detectability under unreliable partial observations. , 2011, , .		0
50	An estimation method for near real-time accountancy of partitioned materials during chopper operations of used metallic nuclear fuel processing. Nuclear Engineering and Design, 2021, 374, 111043.	1.7	0