Tae-Sic Yoo

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3470187/publications.pdf

Version: 2024-02-01

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	Deliquescence of Eutectic LiCl-KCl Diluted with NaCl for Interim Waste Salt Storage. Nuclear Technology, 2022, 208, 310-317.	1.2	5
2	History and status of spent fuel treatment at the INL Fuel Conditioning Facility. Progress in Nuclear Energy, 2022, 143, 104037.	2.9	11
3	Analysis and Modeling of Oxide Reduction Processes for Uranium Oxides. Journal of Nuclear Materials, 2021, 545, 152625.	2.7	6
4	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
5	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
6	Nuclear material input accountancy with a representative sampling method. Annals of Nuclear Energy, 2020, 135, 106970.	1.8	4
7	Liquid cadmium cathode performance model based on the equilibrium behaviors of U and Pu in molten LiClâ€“KCl/Cd system at 500Â°C. Journal of Nuclear Materials, 2020, 528, 151883.	2.7	9
8	Modeling and experimental validation of rotary riffling method for nuclear material input accountancy. Annals of Nuclear Energy, 2020, 148, 107688.	1.8	1
9	Reviewâ€”Electrochemical Measurements in Molten Salt Systems: A Guide and Perspective. Journal of the Electrochemical Society, 2019, 166, D645-D659.	2.9	10
10	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
11	A new inventory tracking method for Mark-V electrorefiner. Annals of Nuclear Energy, 2019, 128, 406-413.	1.8	7
12	Radioactive Decay Computation with Dynamic Source Terms. Nuclear Science and Engineering, 2019, 193, 549-553.	1.1	1
13	Analysis of undissolved anode materials of Mark-IV electrorefiner. Journal of Nuclear Materials, 2018, 510, 551-555.	2.7	5
14	Analysis and modeling of the equilibrium behaviors of U and Pu in molten LiCl-KCl/Cd system at 500â€Â°C. Journal of Nuclear Materials, 2018, 508, 51-62.	2.7	5
15	Uranium exchange kinetics in a molten LiCl-KCl/Cd system at 500â€Â°C. Journal of Nuclear Materials, 2018, 508, 521-529.	2.7	7
16	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
17	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
18	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

#	Article	IF	Citations
19	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
20	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
21	SELECTIVE REDUCTION OF ACTIVE METAL CHLORIDES FROM MOLTEN LiCl-KCl USING LITHIUM DRAWDOWN. Nuclear Engineering and Technology, 2012, 44, 767-772.	2.3	17
22	Selecting observation platforms for optimized anomaly detectability under unreliable partial observations. , 2011, , .		0
23	Computational Model of the Mark-IV Electrorefiner: Two-Dimensional Potential and Current Distributions. Nuclear Technology, 2011, 173, 176-182.	1.2	16
24	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
25	Development of Computational Models for the Mark-IV Electrorefinerâ€"Effect of Uranium, Plutonium, and Zirconium Dissolution at the Fuel Basket-Salt Interface. Nuclear Technology, 2010, 171, 276-284.	1.2	29
26	Sensor configuration selection for discrete-event systems under unreliable observations. , 2010, , .		3
27	Sequential window diagnoser for discrete-event systems under unreliable observations. , 2009, , .		2
28	A Computational Model of the Mark-IV Electrorefiner: Phase Iâ€"Fuel Basket/Salt Interface. Journal of Engineering for Gas Turbines and Power, 2009, 131, .	1.1	18
29	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
30	Diagnosis of behaviors of interest in partially-observed discrete-event systems. Systems and Control Letters, 2008, 57, 1023-1029.	2.3	29
31	Stochastic event counter for discrete-event systems under unreliable observations. , 2008, , .		9
32	Diagnosability of stochastic discrete-event systems under unreliable observations. , 2008, , .		36
33	Intruder Activity Analysis under Unreliable Sensor Networks. , 2007, , .		0
34	Diagnosis of Discrete Event Systems Using Decentralized Architectures. Discrete Event Dynamic Systems: Theory and Applications, 2007, 17, 233-263.	1.5	127
35	Solvability of Centralized Supervisory Control Under Partial Observation. Discrete Event Dynamic Systems: Theory and Applications, 2006, 16, 527-553.	1.5	13
36	Model-based detection of routing events in discrete flow networks. Automatica, 2005, 41, 583-594.	5.0	29

#	Article	IF	Citations
37	Decentralized supervisory control with conditional decisions: supervisor realization. IEEE Transactions on Automatic Control, 2005, 50, 1205-1211.	5.7	13
38	Diagnostic dÃ©centralisÃ© des systÃ¨mes Ã Ã©vÃ©nements discrets. Journal Europeen Des Systemes Automatises, 2005, 39, 95-110.	0.4	5
39	Decentralized Supervisory Control With Conditional Decisions: Supervisor Existence. IEEE Transactions on Automatic Control, 2004, 49, 1886-1904.	5.7	78
40	Deciding co-observability is pspace-complete. IEEE Transactions on Automatic Control, 2003, 48, 1995-1999.	5.7	13
41	Polynomial-time verification of diagnosability of partially observed discrete-event systems. IEEE Transactions on Automatic Control, 2002, 47, 1491-1495.	5.7	315
42	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
43	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
44	Recent Advances on the Control of Partially-Observed Discrete-Event Systems. , 2002, , 3-17.		1
45	On the computational complexity of some problems arising in partially-observed discrete-event systems. , 2001, , .		9
46	A General Architecture for Decentralized Supervisory Control of Discrete-Event Systems. , 2000, , 111-118.		12
47	New results on decentralized supervisory control of discrete-event systems. , 0, , .		5
48	Decentralized supervisory control: a new architecture with a dynamic decision fusion rule. , 0, , .		1
49	Decentralized Diagnosis of Discrete Event Systems using Unconditional and Conditional Decisions. , 0, , .		24
50	New results on discrete-event counting under reliable and unreliable observation information. , 0, , .		4