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Research Areas

Artificial Intelligence, Computer Learning and Pattern Recognition

Academic Titles / Tasks

Research Assistant, Middle East Technical University, Faculty Of Engineering, Department Of Computer Engineering, 2015 - Continues

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Using chains of bottleneck transitions to decompose and solve reinforcement learning tasks with hidden states**
Aydin H., Çilden E., Polat F.
Future Generation Computer Systems, vol.133, pp.153-168, 2022 (Journal Indexed in SCI Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **Compact Frequency Memory for Reinforcement Learning with Hidden States.**
Polat F., Aydin H., Cilden E.
PRIMA 2019: Principles and Practice of Multi-Agent Systems - 22nd International Conference, Taranto, Italy, 28 - 31 October 2019, pp.425-433
- II. **Using Transitional Bottlenecks to Improve Learning in Nearest Sequence Memory Algorithm**
AYDIN H., Cilden E., POLAT F.
IEEE 29th International Conference on Tools with Artificial Intelligence (ICTAI), Massachusetts, United States Of America, 6 - 08 November 2017, pp.147-152
- III. **Self-management of patients with severe arthritis through a Personal Health System: The Turkish case study in the PALANTE project**
Aydin H., Gençtürk M., Alpay E., L. Ertürkmen G. B. , Doğaç A.
eChallenges Conference, Belfast, United Kingdom, 29 - 30 October 2014, pp.1-7