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Papers in Journals

1. Reza Behinfaraz, Amir Aminzadeh Ghavifekr, Roberto De Fazio, Paolo Visconti, Utilizing Fractional Artificial Neural Networks for Modeling Cancer Cell Behavior, *Electronics*, 2023.
2. Reza Behinfaraz, Abdolmehdi Bagheri, Amir Aminzadeh Ghavifekr, Paolo Visconti, Risk Control for Synchronizing a New Economic Model, *Systems*, 2023.
3. Seyed Matin Malakouti, Amir Rikhtehgar Ghiasi, Amir Aminzadeh Ghavifekr, Parvin Emami, Predicting wind power generation using machine learning and CNN-LSTM approaches, *Wind Engineering*, pp. 1853-1869, 2022.
4. Seyed Matin Malakouti, Amir Rikhtehgar Ghiasi, Amir Aminzadeh Ghavifekr, AERO2022-flying danger reduction for quadcopters by using machine learning to estimate current, voltage, and flight area, *e-Prime-Advances in Electrical Engineering, Electronics and Energy*, 2022.
5. Marjā T Orvañanos, Guerrero, Mario Acevedo, Claudia N Sánchez, Daniel U Campos, Delgado, Amir Aminzadeh Ghavifekr, Paolo Visconti, Ramiro Velázquez, Complete balancing of the six-bar mechanism using fully cartesian coordinates and multiobjective differential evolution optimization, *Mathematics*, 2022.
6. Amir Aminzadeh Ghavifekr, Roberto De Fazio, Ramiro Velazquez, Paolo Visconti, Sensors Allocation and Observer Design for Discrete Bilateral Teleoperation Systems with Multi-Rate Sampling, *sensors*, 2022.
7. Amir A Ghavifekr, Amir R Ghiasi, Mohammad Ali Badamchizadeh, Farzad Hashemzadeh, Exponential stability of bilateral sampled-data teleoperation systems using multirate approach, *ISA transactions*, 2020.
8. Amir A Ghavifekr, Amir R Ghiasi, Mohammad A Badamchizadeh, Farzad Hashemzadeh, Paolo Fiorini, Stability analysis of the linear discrete teleoperation systems with stochastic sampling and data dropout, *European Journal of Control*, pp. 63-71, 2018.
9. Amir Aminzadeh Ghavifekr, Amir Rikhtehgar Ghiasi, Mohammad Ali Badamchizadeh, Discrete-time control of bilateral teleoperation systems: a review, *Robotica*, 2018.
10. A.A. Ghavifekr, M.A. Badamchizadeh, A.R. Ghiasi, F. Hashemzadeh, Passivity Analysis of Discrete-time Counterparts of the Bilateral Controlled Teleoperation Systems, *International Journal of Electrical, Electronics and Data Communication (IJEEDC)*, 2018.
11. A. A. Ghavifekr, M.A. Badamchizadeh, A.R. Ghiasi, Evaluation of Three Different Null Space Joint Velocities For a Redundant 5-Bar Linkage Manipulator, *International Journal of Electrical, Electronics and Data Communication (IJEEDC)*, 2016.
12. A Ghavifekr, S Ghaemi, R Behinfaraz, A Modified biogeography based optimization (bbo) algorithm for time optimal motion planning of 5 dof pc-based gryphon robot, *International Journal of Engineering*

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13. Amir Aminzadeh Ghavifekr, Arash Arjmandi, Kanan Sehat, Evaluation of Particle Swarm Optimization and Adaptive Genetic Algorithm for Motion Planning in Minimally Invasive Surgery, Majlesi Journal of Mechatronic Systems, 2012.