

1. 2023 :

Journal :

1. **Moshayedi, A. J.**, Uddin, N. M. I., Khan, A. S., Zhu, J., & Emadi Andani, M. (2023). Designing and Developing a Vision-Based System to Investigate the Emotional Effects of News on Short Sleep at Noon: An Experimental Case Study. *Sensors*, 23(20), 8422.(SCI=Z3,SJR=Q1, 0.76 Score, IF 3.9)
2. **Moshayedi, A. J.**, Uddin, N.M.I., Zhang, X. and Emadi Andani, M. (2023), "Exploring the role of robotics in Alzheimer's disease care: innovative methods and applications", *Robotic Intelligence and Automation*(previous name : *Assembly Automation*), Vol. ahead-of-print No. ahead-of-print. <https://doi.org/10.1108/RIA-04-2023-0045>.(SCI=Z4, SJR=Q3, 0.537 Score, IF 2.1)
3. **Moshayedi, A. J.**; Sohail Khan, A.; Hu, J.; Nawaz, A.; Zhu, J. E-Nose-Driven Advancements in Ammonia Gas Detection: A Comprehensive Review from Traditional to Cutting-Edge Systems in Indoor to Outdoor Agriculture. *Sustainability* 2023, 15, 11601. <https://doi.org/10.3390/su151511601>.(SCI=Z3,SJR=Q1, 0.664 Score, IF 3.9)
4. **Moshayedi, A. J.**, Jafari Harandi, M., Keshavarzi, A., & Heidari, F. (2023). Feasibility Assessment of Sediment Trappers Design from Structure to Simulation in Iran: Study and Comparison. *Iranian Journal of Chemistry and Chemical Engineering*. SCI=Z4,SJR=Q3, 0.28 Score, IF=1.8).
5. **Moshayedi, A. J.**, Hosseinzadeh, M., Joshi, B. P., & Emadi Andani, M. (2023). Recognition System for Ergonomic Mattress and Pillow: Design and Fabrication. *IETE Journal of Research*, 1-19.(SCI=Z4,SJR=Q3, 0.29 Score,IF=1.5)
6. Gao, Y., **Moshayedi, A. J.**, Sanatizadeh, E., Behfarnia, P., Kolamroudi, M. K., Semirumi, D., & Yusof, M. (2023). Analysis of amorphous structure with polycaprolactone-hydroxyapatite nanoparticles fabricated by 3D bioprinter technique for bone tissue engineering. *Ceramics International*, 49(10), 16053-16060. SCI= Z1,SJR=Q1, 0.92 Score, IF=5.2)
7. Zhang, X., Lai, J., & **Moshayedi, A. J** (2023). Traffic data security sharing scheme based on blockchain and traceable ring signature for VANETs. *Peer-to-Peer Networking and Applications*, 1-18.(SCI=Z4,SJR=Q2, 0.87 Score, IF 4.2)
8. Yang, G., Zhang, X., & **Moshayedi, A. J** (2023). Implementation of the Simple Hyperchaotic Memristor Circuit with Attractor Evolution and Large-Scale Parameter Permission. *Entropy*, 25(2), 203.(SCI=Z3,SJR= Q2, 0.54 Score, IF=2.7)

Conference : EI index

1. Alzorgan, H., Razi, A., & **Moshayedi, A. J** (2023). Actuator Trajectory Planning for UAVs with Overhead Manipulator using Reinforcement Learning. arXiv preprint arXiv:2308.12843., 2023 Workshop: 5th IEEE Workshop on Wireless Networking, Planning, and Computing for UAV Swarms (SwarmNet) 2023: PIMRC'23 WS SwarmNet.(IEEE conference , EI index) .
2. Geng, K., **Moshayedi, A. J.**, Chen, J., Hu, J., & Zhang, H. (2023). ENOSE Performance in Transient Time and Steady State Area of Gas Sensor Response for Ammonia Gas: Comparison and Study. Paper presented at the Proceedings of the 2023 2nd Asia Conference on Algorithms, Computing and Machine Learning.(ACM conference , EI index)
3. **Moshayedi, A. J.**, Soleimani, M., Marani, M., Yang, S., Razi, A., & Andani, M. E. (2023). Fingerprint Identification Banking (FIB); Affordable and Secure Biometric IOT Design. Paper presented at the 2023 4th International Seminar on Artificial Intelligence, Networking and Information Technology (AINIT). (IEEE conference , EI index) .
4. Zarei, M., **Moshayedi, A. J**, Zhong, Y., Khan, A. S., Kolahdooz, A., & Andani, M. E. (2023). Indoor UAV Object Detection Algorithms On Three Processors: Implementation Test And Comparison. Paper presented at the 2023 3rd International Conference on Consumer Electronics and Computer Engineering (ICCECE). (IEEE conference , EI index) .

Other Index :

1. Durojaye, A., Kolahdooz, A., Nawaz, A., & **Moshayedi, A. J** (2023). Immersive Horizons: Exploring the Transformative Power of Virtual Reality Across Economic Sectors. *EAI Endorsed Transactions on AI and Robotics*, 2(1), e6-e6.
2. Marani, M., Soltani, M., Bahadori, M., Soleimani, M., & **Moshayedi, A. J** (2023). The Role of Biometric in Banking: A Review. *EAI Endorsed Transactions on AI and Robotics*, 2(1).
3. **Moshayedi, A. J.**, Khan, A. S., Shuxin, Y., Kuan, G., Jiandong, H., Soleimani, M., & Razi, A. (2023). E-Nose design and structures from statistical analysis to application in robotic: a compressive review. *EAI Endorsed Transactions on AI and Robotics*, 2(1), e1-e1.
4. **Moshayedi, A. J.**, Reza, K. S., Khan, A. S., & Nawaz, A. (2023). Integrating Virtual Reality and Robotic Operation System (ROS) for AGV Navigation. *EAI Endorsed Transactions on AI and Robotics*, 2(1), e3-e3.

5. **Moshayedi, A. J**, Roy, A. S., Taravet, A., Liao, L., Wu, J., & Gheisari, M. (2023). A secure traffic police remote sensing approach via a deep learning-based low-altitude vehicle speed detector through uavs in smart cities: Algorithm, implementation, and evaluation. *Future Transportation*, 3(1), 189-209.

2. 2022

Book:

Moshayedi, A. J, Kolahdooz, A., & Liao, L. (2022). *Unity in Embedded System Design and Robotics: A Step-by-step Guide*: CRC Press.

Journal :

1. Abbasi, A., MahmoudZadeh, S., Yazdani, A., & **Moshayedi, A. J** (2022). Feasibility assessment of Kian-I mobile robot for autonomous navigation. *Neural Computing and Applications*, 1-20.(SCI=Z3,SJR=Q1, 1.17)
2. Mehmood, U., Agyekum, E. B., Kamel, S., Shahinzadeh, H., & **Moshayedi, A. J** (2022). Exploring the roles of renewable energy, education spending, and co2 emissions towards health spending in South Asian countries. *Sustainability*, 14(6), 3549.(SCI=Z3,SJR=Q1, 0.66 Score)
3. **Moshayedi, A. J**, Chen, Z.-y., Liao, L., & Li, S. (2022). Sunfa Ata Zuyan machine learning models for moon phase detection: algorithm, prototype and performance comparison. *TELKOMNIKA (Telecommunication Computing Electronics and Control)*, 20(1), 129-140.(SJR=Q3, 0.29 Score)
4. **Moshayedi, A. J**, Li, J., Sina, N., Chen, X., Liao, L., Gheisari, M., & Xie, X. (2022). Simulation and validation of optimized pid controller in agv (automated guided vehicles) model using pso and bas algorithms. *Computational Intelligence and Neuroscience*, 2022.(SCI=Z3)

5. Other Index :

1. **Moshayedi, A. J**, Roy, A. S., Kolahdooz, A., & Shuxin, Y. (2022). Deep learning application pros and cons over algorithm deep learning application pros and cons over algorithm. *EAI Endorsed Transactions on AI and Robotics*, 1(1).
2. **Moshayedi, A. J**, Roy, A. S., Liao, L., Lan, H., Gheisari, M., Abbasi, A., & Bamakan, S. M. (2022). Automation Attendance Systems Approaches: A Practical Review. *BOHR International Journal of Internet of things, Artificial Intelligence and Machine Learning*. 1(1), 25-34.
3. **Moshayedi, A. J**, Roy, A. S., Sambo, S. K., Zhong, Y., & Liao, L. (2022). Review on: The service robot mathematical model. *EAI Endorsed Transactions on AI and Robotics*, 1(1).
4. Uddin, N. M. I., **Moshayedi, A. J**, & Shuxin, Y. (2022). The Face Detection/Recognition, Perspective and Obstacles In Robotic: A Review. *EAI Endorsed Transactions on AI and Robotics*, 1(1), e14-e14.
5. Xu, G., Khan, A. S., **Moshayedi, A. J**, Zhang, X., & Shuxin, Y. (2022). The Object Detection, Perspective and Obstacles In Robotic: A Review. *EAI Endorsed Transactions on AI and Robotics*, 1(1).

2022_Conference : EI index

1. **Moshayedi, A. J**, Khan, A. S., Yang, S., & Zanjani, S. M. (2022). Personal image classifier based handy pipe defect recognizer (HPD): design and test. Paper presented at the 2022 7th International Conference on Intelligent Computing and Signal Processing (ICSP). (IEEE conference , EI index) .
2. **Moshayedi, A. J**, Kolahdooz, A., Roy, A. S., Rostami, S. A. L., & Xie, X. (2022). Design and promotion of cost-effective IOT-based heart rate monitoring. Paper presented at the International Conference on Cloud Computing, Internet of Things, and Computer Applications (CICA 2022). (IEEE conference , EI index) .
3. **Moshayedi, A. J**, Sambo, S. K., & Kolahdooz, A. (2022). Design and development of cost-effective exergames for activity incrementation. Paper presented at the 2022 2nd International Conference on Consumer Electronics and Computer Engineering (ICCECE). (IEEE conference , EI index) .
4. **Moshayedi, A. J**, Zanjani, S. M., Xu, D., Chen, X., Wang, G., & Yang, S. (2022). Fusion BASED AGV robot navigation solution comparative analysis and VREP simulation. Paper presented at the 2022 8th Iranian Conference on Signal Processing and Intelligent Systems (ICSPIS). (IEEE conference , EI index) .
5. Zanjani, S. M., **Moshayedi, A. J**, Shahinzadeh, H., Fayaz-Dastgerdi, M.-H., Yaïci, W., & Moradi, J. (2022). Data-Driven Model Predictive Control for Load-Frequency Control in Islanded Microgrids. Paper presented at the 2022 8th Iranian Conference on Signal Processing and Intelligent Systems (ICSPIS). (IEEE conference , EI index) .

2021_Conference : EI index

1. **Moshayedi, A. J**, Li, J., & Liao, L. (2021). Simulation study and PID tune of automated guided vehicles (AGV). Paper presented at the 2021 IEEE International Conference on Computational Intelligence and Virtual Environments for Measurement Systems and Applications (CIVEMSA). (IEEE conference , EI index) .

2021_Other Index :

1. **Moshayedi, A. J**, Xu, G., Liao, L., & Kolahdooz, A. (2021). Gentle Survey on MIR Industrial Service Robots: Review & Design. *J. Mod. Process. Manuf. Prod*, 10(1), 31-50. (ISC index)

2020

Journal _2020 :

1. Mahmoodi, S., Hassan, D. A., Hojjati-Najafabadi, A., Li, W., Liao, L., **Moshayedi, A. J**, Khajavi, M. N. (2020). Quality enhancement of copper oxide thin film synthesized under elevated gravity acceleration by two-axis spin coating. *Ceramics International*, 46(6), 7421-7429.(SCI= Z1,SJR=Q1, 0.92 Score)
2. **Moshayedi, A. J**, Kazemi, E., Tabatabaei, M., & Liao, L. (2020). Brief modeling equation for metal-oxide; TGS type gas sensors. *Filomat*, 34(15), 4997-5008.(SCI=Z4,SJR=Q2, 0.37 Score)

Journal Other Index _2020 :

1. **Moshayedi, A. J**, Gheibollahi, M., & Liao, L. (2020). The quadrotor dynamic modeling and study of meta-heuristic algorithms performance on optimization of PID controller index to control angles and tracking the route. *IAES International Journal of Robotics and Automation*, 9(4), 256

2019_ Conference : EI index

1. **Moshayedi, A. J**, Abbasi, A., Liao, L., & Li, S. (2019). *Path planning and trajectory tracking of a mobile robot using bio-inspired optimization algorithms and PID control*. Paper presented at the 2019 IEEE International Conference on Computational Intelligence and Virtual Environments for Measurement Systems and Applications (CIVEMSA). (IEEE conference , EI index) .
2. **Moshayedi, A. J**, Chen, Z.-Y., Liao, L., & Li, S. (2019). *Portable image based moon date detection and declaration: System and Algorithm Code Sign*. Paper presented at the 2019 IEEE International Conference on Computational Intelligence and Virtual Environments for Measurement Systems and Applications (CIVEMSA). (IEEE conference , EI index) .
3. **Moshayedi, A. J**, Chen, Z., Liao, L., & Li, S. (2019). *Kinect based virtual referee for table tennis game: TTV (Table Tennis Var System)*. Paper presented at the 2019 6th international conference on information science and control engineering (ICISCE). (IEEE conference , EI index) .
4. **Moshayedi, A. J**, Jinsong, L., & Liao, L. (2019). AGV (automated guided vehicle) robot: Mission and obstacles in design and performance. *Journal of Simulation and Analysis of Novel Technologies in Mechanical Engineering*, 12(4), 5-18. (IEEE conference , EI index) .
5. **Moshayedi, A. J**, Roy, A. S., Liao, L., & Li, S. (2019). *Raspberry Pi SCADA zonal based system for agricultural plant monitoring*. Paper presented at the 2019 6th International Conference on Information Science and Control Engineering (ICISCE). (IEEE conference , EI index) .

Journal Other Index _2019 :

1. **Moshayedi, A. J**, Agda, A. M., & Arabzadeh, M. (2019). *Designing and implementation a simple algorithm considering the maximum audio frequency of persian vocabulary in order to robot speech control based on arduino*. Paper presented at the Fundamental Research in Electrical Engineering: The Selected Papers of The First International Conference on Fundamental Research in Electrical Engineering.
2. **Moshayedi, A. J**, Fard, S. S., Liao, L., & Eftekhari, S. A. (2019). Design and development of pipe inspection robot meant for resizable pipe lines. *Int. J. Robot. Control*, 2(1), 25.
3. **Moshayedi, A. J**, Hosseini, M. S., & Rezaee, F. (2019). WiFi based massager device with NodeMCU through arduino interpreter. *Journal of Simulation and Analysis of Novel Technologies in Mechanical Engineering*, 11(1), 73-79. (ISC)
4. **Moshayedi, A. J**, Roy, A. S., & Liao, L. (2019). PID Tuning Method on AGV (automated guided vehicle) Industrial Robot. *Journal of Simulation and Analysis of Novel Technologies in Mechanical Engineering*, 12(4), 53-66.(ISC)
5. Abbasi, A., & **Moshayedi, A. J** (2018). Trajectory tracking of two-wheeled mobile robots, using LQR optimal control method, based on computational model of KHEPERA IV. *Journal of Simulation and Analysis of Novel Technologies in Mechanical Engineering*, 10(3), 41-50. (ISC)

2018

2018_Conference : EI index

1. **Moshayedi, A. J.**, & Gharpure, D. (2017). *Evaluation of bio inspired Mokhtar: Odor localization system*. Paper presented at the 2017 18th international carpathian control conference (ICCC). ([IEEE conference](#) , [EI index](#)) .
2. Geibollahi, M., & **Moshayedi, A. J.** (2018). Dynamic Modeling, Assembly and implementing Quadrotor UAV Using PID Controller. *Journal of Simulation and Analysis of Novel Technologies in Mechanical Engineering*, 11(1), 15-22.(ISC)

Before 2018

1. Esfahani, O. T., & **Moshayedi, A. J.** (2015). Design and development of Arduino healthcare tracker system for Alzheimer patients. *International Journal of Innovative Technology and Exploring Engineering (IJITEE)*, 5(4), 12-16.
2. Esfahani, O. T., & **Moshayedi, A. J.** (2014). Accuracy of the Positioning Systems for the Tracking of Alzheimer's Patients-A Review. *International Journal of Applied Electronics in Physics & Robotics*, 2(2), 10-16.
3. Kukade, M., **Moshayedi, A. J.**, & Gharpure, D. (2014). Electronic-nose (E-nose) for recognition of Cardamom, Nutmeg and Clove oil odor. *Electron. Its Interdiscip. Appl. (NCAEIA-2014)*.
4. **Moshayedi, A. J.**, & Gharpure, D. (2014). *Implementing breath to improve response of gas sensors for leak detection in plume tracker robots*. Paper presented at the Proceedings of the Third International Conference on Soft Computing for Problem Solving: SocProS 2013, Volume 2.
5. **Moshayedi, A. J.**, & Gharpure, D. (2014). Review on: odor localization robot aspect and obstacles. *Int. J. Mech. Eng. Robot*, 2, 7-19.
6. **Moshayedi, A. J.**, Ahmadi, F., & Gharpure, D. C. (2013). Utilizing the Job Expanding Algorithm in Mokhtar Plume Tracker. *International Journal of Applied Electronics in Physics & Robotics*, 1(2), 1-2.
7. **Moshayedi, A. J.**, & Gharpure, D. C. (2013b). Path and Position Monitoring Tool for Indoor Robot Application. *International Journal of Applied Electronics in Physics and Robotics*, 1(1), 10.
8. **Moshayedi, A. J.**, Gharpure, D. C., & Shaligram, A. D. (2013). Design and Development Of MOKHTAR Wind Tracker. *International Journal of Soft Computing and Engineering (IJSCE)*, 167-173. ([IEEE conference](#) , [EI index](#)) .
9. **Moshayedi, A. J.**, Toudeshki, A., & Gharpure, D. C. (2013). *Mathematical modeling for SnO 2 gas sensor based on second-order response*. Paper presented at the 2013 IEEE Symposium on Industrial Electronics & Applications. ([IEEE conference](#) , [EI index](#)) .
10. Yunusa Ali, S., Ramli, A. R., Ahmad, S. A., Toudeshki, A., & **Moshayedi, A. J.** (2013). A New Mathematical Model for Mapping Indoor Environment.
11. **Moshayedi, A. J.**, & Gharpure, D. (2012a). *Development of position monitoring system for studying performance of wind tracking algorithms*. Paper presented at the ROBOTIK 2012; 7th German Conference on Robotics. ([IEEE conference](#) , [EI index](#)) .
12. **Moshayedi, A. J.**, & Gharpure, D. (2012b). *Priority based algorithm for Plume tracking Robot*. Paper presented at the 2012 1st International Symposium on Physics and Technology of Sensors (ISPTS-1). ([IEEE conference](#) , [EI index](#)) .
13. **Moshayedi, A. J.**, Shingade, A., & Gharpure, D. (2012). Development of E nose for inspection of spices.
14. Moshayedi, A. J., Singh, P. K., & Bodas, D. D. Low Cost analyzer Solutions for Electrical Management System by Matlab software base on web base SCADA system.
15. Hashemi, S. R., & **Moshayedi, A. J.** (2011). LAB View Based Smart Washing Machine Analyzer For Energy Consumption Features.
16. **Moshayedi, A. J.**, & Gharpure, D. (2011). *Design and development of wind tracker*. Paper presented at the 2011 IEEE International Conference on Computer Applications and Industrial Electronics (ICCAIE). ([IEEE conference](#) , [EI index](#)) .