# Amir Hajjam El Hassani

List of Publications by Year
in descending order



| 56 | 1,027 | 623188 | 454577 |
|---|---|---|---|
| papers | citations | 14 h-index | 30 g-index |

| 60 | 60 | 60 | 939 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Classification models for heart disease prediction using feature selection and PCA. Informatics in Medicine Unlocked, 2020, 19, 100330. | 1.9 | 198 |
| 2 | From Fall Detection to Fall Prevention: A Generic Classification of Fall-Related Systems. IEEE Sensors Journal, 2017, 17, 812-822. | 2.4 | 157 |
| 3 | A memetic algorithm for a home health care routing and scheduling problem. Operations Research for Health Care, 2018, 16, 59-71. | 0.8 | 108 |
| 4 | A hybrid memetic-ant colony optimization algorithm for the home health care problem with time window, synchronization and working time balancing. Swarm and Evolutionary Computation, 2019, 46, 171-183. | 4.5 | 74 |
| 5 | A memetic algorithm for multi-objective optimization of the home health care problem. Swarm and Evolutionary Computation, 2019, 44, 712-727. | 4.5 | 61 |
| 6 | Telemonitoring in diabetes: evolution of concepts and technologies, with a focus on results of the more recent studies. Journal of Medicine and Life, 2019, 12, 203-214. | 0.4 | 41 |
| 7 | An Automated System for ECG Arrhythmia Detection Using Machine Learning Techniques. Journal of Clinical Medicine, 2021, 10, 5450. | 1.0 | 33 |
| 8 | Current Research and New Perspectives of Telemedicine in Chronic Heart Failure: Narrative Review and Points of Interest for the Clinician. Journal of Clinical Medicine, 2018, 7, 544. | 1.0 | 32 |
| 9 | A Combination of Simulated Annealing and Ant Colony System for the Capacitated Location-Routing Problem. Lecture Notes in Computer Science, 2006, , 409-416. | 1.0 | 29 |
| 10 | Self-organizing maps in population based metaheuristic to the dynamic vehicle routing problem. Journal of Combinatorial Optimization, 2012, 24, 437-458. | 0.8 | 28 |
| 11 | Hybrid metaheuristics for solving a home health care routing and scheduling problem with time windows, synchronized visits and lunch breaks. Expert Systems With Applications, 2021, 183, 115307. | 4.4 | 27 |
| 12 | Mathematical Model for the Home Health Care Scheduling and Routing Problem with Flexible Lunch Break Requirements. IFAC-PapersOnLine, 2018, 51, 334-339. | 0.5 | 22 |
| 13 | An Improved Cuckoo Search for a Patient Transportation Problem with Consideration of Reducing Transport Emissions. Sustainability, 2018, 10, 793. | 1.6 | 19 |
| 14 | Focus on the Different Projects of Telemedicine Centered on the Elderly In France. Current Aging Science, 2019, 11, 202-215. | 0.4 | 18 |
| 15 | A general model for the home health care routing and scheduling problem with route balancing. IFAC-PapersOnLine, 2017, 50, 14662-14667. | 0.5 | 16 |
| 16 | Advances and innovations in the field of auscultation, with a special focus on the development of new intelligent communicating stethoscope systems. Health and Technology, 2012, 2, 5-16. | 2.1 | 15 |
| 17 | Solving a multi-period home health care routing and scheduling problem using an efficient matheuristic. Computers and Industrial Engineering, 2021, 162, 107721. | 3.4 | 14 |
| 18 | The ASAP project: A first step to an auscultation's school creation. Respiratory Medicine CME, 2009, 2, 7-14. | 0.1 | 10 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Multisensor guided walker for visually impaired elderly people. , 2015, , . | | 9 |
| 20 | Bed-Fall Detection and Prediction: A Generic Classification and Review of Bed-Fall Related Systems. IEEE Sensors Journal, 2021, 21, 5678-5686. | 2.4 | 9 |
| 21 | e-Care: Ontological Architecture for Telemonitoring and Alerts Detection. , 2012, , . | | 7 |
| 22 | E-Care Project: A Promising E-Platform for Optimizing Management of Chronic Heart Failure and Other Chronic Diseases. Heart Research - Open Journal, 2015, 2, 39-45. | 0.2 | 7 |
| 23 | e-Health: A Future Solution for Optimized Management of Elderly Patients. GER-e-TECâ„¢ Project. Medicines (Basel, Switzerland), 2020, 7, 41. | 0.7 | 7 |
| 24 | Including other system in E-Care telemonitoring platform. Studies in Health Technology and Informatics, 2013, 190, 115-7. | 0.2 | 7 |
| 25 | An Optimized Communication for Emergency Health Situations. , 2009, , . | | 6 |
| 26 | Dynamic Vehicle Routing Problem for Medical Emergency Management. , 2011, , . | | 6 |
| 27 | Results of the â€œGER-e-TECâ€•Experiment Involving the Use of an Automated Platform to Detect the Exacerbation of Geriatric Syndromes. Journal of Clinical Medicine, 2020, 9, 3836. | 1.0 | 6 |
| 28 | E-Care telemonitoring system: Extend the platform. , 2013, , . | | 5 |
| 29 | Impact of the workload definition on the multi-objective home health care problem. IFAC-PapersOnLine, 2018, 51, 346-351. | 0.5 | 5 |
| 30 | A Hybrid Ant Colony System Approach for the Capacitated Vehicle Routing Problem. Lecture Notes in Computer Science, 2004, , 414-415. | 1.0 | 4 |
| 31 | Impact analysis of workload balancing on the home health care routing and scheduling problem. , 2017, , . | | 4 |
| 32 | Cluster Analysis: A New Approach for Identification of Underlying Risk Factors and Demographic Features of First Trimester Pregnancy Women. Journal of Clinical Medicine, 2020, 9, 2247. | 1.0 | 4 |
| 33 | A matheuristic-based approach for the multi-depot home health care assignment, routing and scheduling problem. RAIRO - Operations Research, 2021, 55, S1013-S1036. | 1.0 | 4 |
| 34 | A Tabu Search and Ant Colony System Approach for the Capacitated Location-Routing Problem. , 2008, , . | | 3 |
| 35 | Sway analysis and fall prediction method based on spatio-temporal sliding window technique. , 2016, , . | | 3 |
| 36 | A solution method for treatment scheduling in rehabilitation hospitals with real-life requirements. IMA Journal of Management Mathematics, 2019, 30, 367-386. | 1.1 | 3 |

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|---|---|---|---|
| 37 | Big data scalability based on Spark Machine Learning Libraries. , 2019, , . | | 3 |
| 38 | Self-organizing maps in evolutionary approach for the traveling salesman problem and vehicle routing problem with time windows. Journal of Information and Optimization Sciences, 2008, 29, 485-511. | 0.2 | 2 |
| 39 | Acquire, analyze and share auscultation sounds: The ASAP project. , 2009, , . | | 2 |
| 40 | Hybrid reasoning-based medical platform to assist clinicians in their clinical reasoning process. , 2015, , . | | 2 |
| 41 | Design and development of a force-sensing shoe for gait analysis and monitoring. , 2017, , . | | 2 |
| 42 | Big data execution time based on Spark Machine Learning Libraries. , 2019, , . | | 2 |
| 43 | A Mathematical Model for Medium-Term Home Health Care Planning Problem. , 2019, , . | | 2 |
| 44 | Ontological Architecture for Management of Telemonitoring System and Alerts Detection. , 0, , . | | 2 |
| 45 | Glycemic Disorder Risk Remote Monitoring Program in the COVID-19 Very Elderly Patients: Preliminary Results. Frontiers in Physiology, 2021, 12, 749731. | 1.3 | 2 |
| 46 | Sequential Mining Classification. , 2017, , . | | 1 |
| 47 | Mid-Term Home Health Care Planning Problem with Flexible Departing Way for Caregivers. Studies in Computational Intelligence, 2020, , 29-56. | 0.7 | 1 |
| 48 | Enhancing eHealth Information Systems for chronic diseases remote monitoring systems. International Journal of Advanced Computer Science and Applications, 2012, 3, . | 0.5 | 1 |
| 49 | Results of the Second Phase of the GER-e-TEC Experiment Concerning the Telemonitoring of Elderly Patients Affected by COVID-19 Disease to Detect the Exacerbation of Geriatric Syndromes. Journal of Personalized Medicine, 2021, 11, 1117. | 1.1 | 1 |
| 50 | A Home Health Care Planning Problem with Continuity of Care And Flexible Departing Way for Caregivers. IFAC-PapersOnLine, 2020, 53, 10773-10778. | 0.5 | 1 |
| 51 | Approach for optimized and dynamic medical emergency management. , 2008, , . | | 0 |
| 52 | Aligning Pattern Extraction Algorithms for the Lambda Architecture. , 2018, , . | | 0 |
| 53 | Actual as well as Future Technologies and Noninvasive Devices for Optimal Management of Diabetes Mellitus and Chronic Heart Failure. , 0, , . | | 0 |
| 54 | Home Care Security (HOCAS): A Telemedicine Project to Monitor Patients with Heart Failure and Atrial Fibrillation under Anticoagulation at Home. British Journal of Applied Science & Technology, 2015, 11, 1-7. | 0.2 | 0 |

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|---|---|---|---|
| 55 | First Test of an Automated Detection Platform to Identify Risk of Decompensation in Elderly Patients. European Journal of Case Reports in Internal Medicine, 2019, 7, 002102. | 0.2 | 0 |
| 56 | Heart failure risk remote monitoring program in the very elderly patients with COVID-19 disease. Translational Medicine of Aging, 2021, 5, 52-53. | 0.6 | 0 |