Amir Hajjam El Hassani

List of Publications by Year
in descending order

56 papers	**1,027** citations	623188 **14** h-index
60 all docs	**60** docs citations	**60** times ranked

454577 **30** g-index

939 citing authors

#	Article	IF	Citations
1	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
2	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
3	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
4	Glycemic Disorder Risk Remote Monitoring Program in the COVID-19 Very Elderly Patients: Preliminary Results. Frontiers in Physiology, 2021, 12, 749731.	1.3	2
5	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
6	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
7	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
8	An Automated System for ECG Arrhythmia Detection Using Machine Learning Techniques. Journal of Clinical Medicine, 2021, 10, 5450.	1.0	33
9	Mid-Term Home Health Care Planning Problem with Flexible Departing Way for Caregivers. Studies in Computational Intelligence, 2020, , 29-56.	0.7	1
10	e-Health: A Future Solution for Optimized Management of Elderly Patients. GER-e-TECâ„¢ Project. Medicines (Basel, Switzerland), 2020, 7, 41.	0.7	7
11	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
12	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
13	Classification models for heart disease prediction using feature selection and PCA. Informatics in Medicine Unlocked, 2020, 19, 100330.	1.9	198
14	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
15	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
16	Big data execution time based on Spark Machine Learning Libraries. , 2019, , .		2
17	Focus on the Different Projects of Telemedicine Centered on the Elderly In France. Current Aging Science, 2019, 11, 202-215.	0.4	18
18	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

#	Article	IF	Citations
19	A Mathematical Model for Medium-Term Home Health Care Planning Problem. , 2019, , .		2
20	A memetic algorithm for multi-objective optimization of the home health care problem. Swarm and Evolutionary Computation, 2019, 44, 712-727.	4.5	61
21	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
22	Big data scalability based on Spark Machine Learning Libraries. , 2019, , .		3
23	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
24	A memetic algorithm for a home health care routing and scheduling problem. Operations Research for Health Care, 2018, 16, 59-71.	0.8	108
25	Aligning Pattern Extraction Algorithms for the Lambda Architecture. , 2018, , .		0
26	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
27	Impact of the workload definition on the multi-objective home health care problem. IFAC-PapersOnLine, 2018, 51, 346-351.	0.5	5
28	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
29	An Improved Cuckoo Search for a Patient Transportation Problem with Consideration of Reducing Transport Emissions. Sustainability, 2018, 10, 793.	1.6	19
30	A general model for the home health care routing and scheduling problem with route balancing. IFAC-PapersOnLine, 2017, 50, 14662-14667.	0.5	16
31	From Fall Detection to Fall Prevention: A Generic Classification of Fall-Related Systems. IEEE Sensors Journal, 2017, 17, 812-822.	2.4	157
32	Impact analysis of workload balancing on the home health care routing and scheduling problem. , 2017, , .		4
33	Design and development of a force-sensing shoe for gait analysis and monitoring. , 2017, , .		2
34	Sequential Mining Classification. , 2017, , .		1
35	Sway analysis and fall prediction method based on spatio-temporal sliding window technique. , 2016, , .		3
36	Hybrid reasoning-based medical platform to assist clinicians in their clinical reasoning process. , 2015, , .		2

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37	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
38	Multisensor guided walker for visually impaired elderly people. , 2015, , .		9
39	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
40	E-Care telemonitoring system: Extend the platform. , 2013, , .		5
41	Including other system in E-Care telemonitoring platform. Studies in Health Technology and Informatics, 2013, 190, 115-7.	0.2	7
42	Self-organizing maps in population based metaheuristic to the dynamic vehicle routing problem. Journal of Combinatorial Optimization, 2012, 24, 437-458.	0.8	28
43	e-Care: Ontological Architecture for Telemonitoring and Alerts Detection. , 2012, , .		7
44	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
45	Enhancing eHealth Information Systems for chronic diseases remote monitoring systems. International Journal of Advanced Computer Science and Applications, 2012, 3, .	0.5	1
46	Dynamic Vehicle Routing Problem for Medical Emergency Management. , 2011, , .		6
47	Acquire, analyze and share auscultation sounds: The ASAP project. , 2009, , .		2
48	The ASAP project: A first step to an auscultation's school creation. Respiratory Medicine CME, 2009, 2, 7-14.	0.1	10
49	An Optimized Communication for Emergency Health Situations. , 2009, , .		6
50	A Tabu Search and Ant Colony System Approach for the Capacitated Location-Routing Problem. , 2008, , .		3
51	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
52	Approach for optimized and dynamic medical emergency management. , 2008, , .		0
53	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
54	A Hybrid Ant Colony System Approach for the Capacitated Vehicle Routing Problem. Lecture Notes in Computer Science, 2004, , 414-415.	1.0	4

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55	Actual as well as Future Technologies and Noninvasive Devices for Optimal Management of Diabetes Mellitus and Chronic Heart Failure. , 0, , .		0
56	Ontological Architecture for Management of Telemonitoring System and Alerts Detection. , 0, , .		2