

# Mourad Oussalah

## List of Publications by Year in descending order

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101  
papers

1,150  
citations

430754

18  
h-index

477173

29  
g-index

107  
all docs

107  
docs citations

107  
times ranked

747  
citing authors

#	ARTICLE	IF	CITATIONS
1	An Adaptive Spatio-temporal Global Sampling for Presentation Attack Detection. IEEE Transactions on Circuits and Systems II: Express Briefs, 2024, , 1-1.	2.2	2
2	New incremental SVM algorithms for human activity recognition in smart homes. Journal of Ambient Intelligence and Humanized Computing, 2023, 14, 13433-13450.	3.3	8
3	Knowledge-based sentence semantic similarity: algebraical properties. Progress in Artificial Intelligence, 2022, 11, 43-63.	1.5	4
4	Gene selection for microarray data classification via multi-objective graph theoretic-based method. Artificial Intelligence in Medicine, 2022, 123, 102228.	3.8	65
5	SAM: Self-augmentation mechanism for COVID-19 detection using chest X-ray images. Knowledge-Based Systems, 2022, 241, 108207.	4.0	30
6	A novel explainable COVID-19 diagnosis method by integration of feature selection with random forest. Informatics in Medicine Unlocked, 2022, 30, 100941.	1.9	31
7	Smart drainage management to limit summer drought damage in Nordic agriculture under the circular economy concept. Hydrological Processes, 2022, 36, .	1.1	1
8	Cancer prediction using graph-based gene selection and explainable classifier. Finnish Journal of EHealth and EWelfare, 2022, 14, 61-78.	0.0	2
9	Attention-based hybrid CNN-LSTM and spectral data augmentation for COVID-19 diagnosis from cough sound. Journal of Intelligent Information Systems, 2022, 59, 367-389.	2.8	19
10	A Novel Time-Aware Food Recommender-System Based on Deep Learning and Graph Clustering. IEEE Access, 2022, 10, 52508-52524.	2.6	53
11	Explainability for Medical Image Captioning. , 2022, , .		5
12	Social media analysis of car parking behavior using similarity based clustering. Journal of Big Data, 2022, 9, .	6.9	6
13	A novel attributed community detection by integration of feature weighting and node centrality. Online Social Networks and Media, 2022, 30, 100219.	2.3	7
14	Graph-based relevancy-redundancy gene selection method for cancer diagnosis. Computers in Biology and Medicine, 2022, 147, 105766.	3.9	61
15	Bone microarchitecture characterization based on fractal analysis in spatial frequency domain imaging. International Journal of Imaging Systems and Technology, 2021, 31, 141-159.	2.7	5
16	Vision-Based Fall Detection Using Body Geometry. Lecture Notes in Computer Science, 2021, , 170-185.	1.0	0
17	COVID-19 detection from Xray and CT scans using transfer learning. , 2021, , .		22
18	Data expansion using back translation and paraphrasing for hate speech detection. Online Social Networks and Media, 2021, 24, 100153.	2.3	26

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19	Robust model adaption for colour-based particle filter tracking with contextual information. Journal of Visual Communication and Image Representation, 2021, 79, 103270.	1.7	3
20	A hybrid approach for paraphrase identification based on knowledge-enriched semantic heuristics. Language Resources and Evaluation, 2020, 54, 457-485.	1.8	27
21	Hybrid Kriging and multilayer perceptron neural network technique for coverage prediction in cellular networks. International Journal of Parallel, Emergent and Distributed Systems, 2020, 35, 682-706.	0.7	6
22	Vegetation height estimation using ubiquitous foot-based wearable platform. Environmental Monitoring and Assessment, 2020, 192, 774.	1.3	2
23	Location Fixing and Fingerprint Matching Fingerprint Map Construction for Indoor Localization. Journal of Sensors, 2020, 2020, 1-14.	0.6	9
24	MaTED: Metadata-Assisted Twitter Event Detection System. Communications in Computer and Information Science, 2020, , 402-414.	0.4	5
25	A survey of fuzzy logic in wireless localization. Eurasip Journal on Wireless Communications and Networking, 2020, 2020, .	1.5	21
26	MAuto: Automatic Mobile Game Testing Tool Using Image-Matching Based Approach. The Computer Games Journal, 2019, 8, 215-239.	1.0	10
27	SRL-ESA-TextSum: A text summarization approach based on semantic role labeling and explicit semantic analysis. Information Processing and Management, 2019, 56, 1356-1372.	5.4	76
28	The joint use of sequence features combination and modified weighted SVM for improving daily activity recognition. Pattern Analysis and Applications, 2018, 21, 119-138.	3.1	56
29	On the use of contextual information for robust colour-based particle filter tracking. , 2018, , .		0
30	Argumentation system for intelligent assistants using fuzzy-based reasoning. , 2018, , .		0
31	Fuzzy extended Kalman filter for dynamic mobile localization in urban area using wireless network. Applied Soft Computing Journal, 2017, 57, 452-467.	4.1	16
32	Towards the Quantification of Human-Robot Imitation Using Wearable Inertial Sensors. , 2017, , .		1
33	An Iterative Graph-Based Generic Single and Multi Document Summarization Approach Using Semantic Role Labeling and Wikipedia Concepts. , 2016, , .		8
34	New and robust method for trabecular bone texture based on fractal dimension. , 2016, , .		5
35	Performance evaluation of particle filter based visual tracking. Journal of Intelligent and Fuzzy Systems, 2016, 31, 2449-2462.	0.8	2
36	Particle filter for mobile station Positioning in a cellular network. , 2016, , .		0

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37	Continuously Adaptive Data Fusion and Model Relearning for Particle Filter Tracking With Multiple Features. IEEE Sensors Journal, 2016, 16, 2639-2649.	2.4	30
38	Collaborative Tracking for Multiple Objects in the Presence of Inter-Occlusions. IEEE Transactions on Circuits and Systems for Video Technology, 2016, 26, 304-318.	5.6	8
39	A New Optimal Neuro-Fuzzy Inference System for MR Image Classification and Multiple Scleroses Detection. Communications in Computer and Information Science, 2016, , 487-493.	0.4	0
40	Prostate contours delineation using interactive directional active contours model and parametric shape prior model. International Journal for Numerical Methods in Biomedical Engineering, 2015, 31, e02726.	1.0	2
41	Multiple target tracking using particle filtering and multiple model for manoeuvring targets. International Journal of Automation and Control, 2015, 9, 303.	0.3	2
42	Similarity-Based Query-Focused Multi-document Summarization Using Crowdsourced and Manually-built Lexical-Semantic Resources. , 2015, , .		5
43	On the use of inclusion structure in fuzzy clustering algorithm in case of Gaussian membership functions. Journal of Intelligent and Fuzzy Systems, 2015, 28, 1477-1493.	0.8	6
44	Multivariable fuzzy inference system for fingerprinting indoor localization. Fuzzy Sets and Systems, 2015, 269, 65-89.	1.6	24
45	Robust model adaptation for tracking with online weighted color and shape feature. , 2014, , .		2
46	A new classification strategy for human activity recognition using cost sensitive support vector machines for imbalanced data. Kybernetes, 2014, 43, 1150-1164.	1.2	13
47	Enactive management: dancing with uncertainty and complexity. Kybernetes, 2014, 43, 1237-1247.	1.2	2
48	Containment control of second-order multi-agent systems with directed topology and time-delays. Kybernetes, 2014, 43, 1248-1261.	1.2	7
49	Identifying and Extracting Named Entities from Wikipedia Database Using Entity Infoboxes. International Journal of Advanced Computer Science and Applications, 2014, 5, .	0.5	3
50	A Comparative Study of Conversion Aided Methods for WordNet Sentence Textual Similarity. , 2014, , .		6
51	TDOA Wireless Localization Comparison Influence of Network Topology. Transactions on Networks and Communications, 2014, 2, .	0.2	1
52	Scale modification through particle distribution in colour based tracking. , 2013, , .		1
53	Securing Wireless Sensor Networks: A Survey. Edpacs, 2013, 47, 6-29.	0.5	18
54	Sensor Fusion and Target Tracking Using Evidential Data Association. IEEE Sensors Journal, 2013, 13, 285-293.	2.4	36

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55	Fuzzy emotion recognition model for video sequences. , 2012, , .		1
56	Special session on variational approaches in image processing (VAIP). , 2012, , .		0
57	Data Association in Multi-target Tracking Using Belief Function. Journal of Intelligent and Robotic Systems: Theory and Applications, 2012, 67, 219-227.	2.0	3
58	Bluetooth -model analysis and simulation using NS2. , 2012, , .		1
59	Sentences Simplification for Automatic summarization. , 2011, , .		3
60	Evidential Data Association Filter. Communications in Computer and Information Science, 2010, , 209-217.	0.4	3
61	Automatic face emotion recognition system. , 2010, , .		19
62	Using features extracted from Wikipedia for the task of Word Sense Disambiguation. , 2010, , .		6
63	Total variational image denoising. Influence of noise distribution: Comparison analysis. , 2010, , .		1
64	A semantic-based text classification system. , 2010, , .		8
65	Centroid-based Classification Enhanced with Wikipedia. , 2010, , .		0
66	How to choose adjudication function in distributive cognition?. , 2010, , 435-464.		0
67	A modified fuzzy clustering for documents retrieval: application to document categorization. Journal of the Operational Research Society, 2009, 60, 384-394.	2.1	14
68	On the use of divergence distance in fuzzy clustering. Fuzzy Optimization and Decision Making, 2008, 7, 147-167.	3.4	6
69	Content Based Image Retrieval: Review of State of Art and Future Directions. , 2008, , .		16
70	Automatic document summarizer. , 2008, , .		0
71	Joint Multiple Target Tracking and Classification Using Controlled Based Cheap JPDA-Multiple Model Particle Filter in Cluttered Environment. Lecture Notes in Computer Science, 2008, , 562-569.	1.0	6
72	Robot Collaboration for Simultaneous Map Building and Localization. , 2007, , .		1

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73	Data fusion: a study of adaptative combinations with incomplete certainty qualification. Kybernetes, 2006, 35, 1607-1627.	1.2	3
74	Data fusion: a study of adaptative combinations with incomplete certainty qualification. Kybernetes, 2006, 35, 1452-1491.	1.2	2
75	Bipolar logic and probabilistic interpretation. Kybernetes, 2005, 34, 1349-1383.	1.2	0
76	Combination of Qualitative and Quantitative Sources of Knowledge for Risk Assessment in the Framework of Possibility Theory*. International Journal of General Systems, 2004, 33, 133-151.	1.2	1
77	Some notes on fusion of uncertain information. International Journal of Intelligent Systems, 2004, 19, 499-524.	3.3	1
78	From Measurements to Validation â€” Soft Computing Contributions. , 2004, , 93-114.		0
79	Mechanism of Trust in Panel System. , 2004, , 115-135.		0
80	RELIABILITY THEORY USING HIGH CONDITIONAL PROBABILITY EVENTS. , 2004, , .		0
81	Fuzzy-based approach for contact identification in force-controlled robot tasks:. Engineering Applications of Artificial Intelligence, 2003, 16, 691-707.	4.3	1
82	Approximated fuzzy LR computation. Information Sciences, 2003, 153, 155-175.	4.0	16
83	On the use of Hamacher's t-norms family for information aggregation. Information Sciences, 2003, 153, 107-154.	4.0	36
84	From adaptive to progressive combination of possibility distributions. Fuzzy Sets and Systems, 2003, 139, 559-582.	1.6	9
85	Analysis of serialâ€”parallel systems in the framework of fuzzy/possibility approach. Part I. Appraisal: case of independent components. Reliability Engineering and System Safety, 2003, 79, 353-368.	5.1	3
86	Interval possibility measures: basic concepts and conditioning. Kybernetes, 2003, 32, 317-342.	1.2	1
87	Introduction to Fusion Based Systems â€” Contributions of Soft Computing Techniques and Application to Robotics. Studies in Fuzziness and Soft Computing, 2003, , 35-71.	0.6	0
88	On the normalization of subnormal possibility distributions: New investigations. International Journal of General Systems, 2002, 31, 277-301.	1.2	11
89	On the compatibility between defuzzification and fuzzy arithmetic operations. Fuzzy Sets and Systems, 2002, 128, 247-260.	1.6	62
90	Hybrid fuzzy probabilistic data association filter and joint probabilistic data association filter. Information Sciences, 2002, 142, 195-226.	4.0	32

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91	New fusion methodology approach and application to mobile robotics: investigation in the framework of possibility theory. Information Fusion, 2001, 2, 31-48.	11.7	12
92	On the qualitative/necessity possibility measure. (I). Investigation in the framework of measurement theory. Information Sciences, 2000, 126, 205-275.	4.0	2
93	Possibilistic Kalman filtering for radar 2D tracking. Information Sciences, 2000, 130, 85-107.	4.0	22
94	Study of some algebraical properties of adaptive combination rules. Fuzzy Sets and Systems, 2000, 114, 391-409.	1.6	17
95	ON THE PROBABILITY/POSSIBILITY TRANSFORMATIONS:A COMPARATIVE ANALYSIS. International Journal of General Systems, 2000, 29, 671-718.	1.2	43
96	Notes on Fusion of Uncertain Information. , 2000, , 83-88.		0
97	Positioning of a mobile robot with landmark-based method. , 0, , .		8
98	Towards possibilistic JDPAF. , 0, , .		0
99	Fuzzy linear regression for contact identification. , 0, , .		3
100	Inclusion-based Fuzzy Clustering. , 0, , 193-209.		4
101	A new knowledge discovery approach for mining business trade barriers. Journal of Intelligent Information Systems, 0, , .	2.8	0