

# Mourad Oussalah

## List of Publications by Year in descending order

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Version: 2024-02-01

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	SRL-ESA-TextSum: A text summarization approach based on semantic role labeling and explicit semantic analysis. <i>Information Processing and Management</i> , 2019, 56, 1356-1372.	5.4	76
2	Gene selection for microarray data classification via multi-objective graph theoretic-based method. <i>Artificial Intelligence in Medicine</i> , 2022, 123, 102228.	3.8	65
3	On the compatibility between defuzzification and fuzzy arithmetic operations. <i>Fuzzy Sets and Systems</i> , 2002, 128, 247-260.	1.6	62
4	Graph-based relevancy-redundancy gene selection method for cancer diagnosis. <i>Computers in Biology and Medicine</i> , 2022, 147, 105766.	3.9	61
5	The joint use of sequence features combination and modified weighted SVM for improving daily activity recognition. <i>Pattern Analysis and Applications</i> , 2018, 21, 119-138.	3.1	56
6	A Novel Time-Aware Food Recommender-System Based on Deep Learning and Graph Clustering. <i>IEEE Access</i> , 2022, 10, 52508-52524.	2.6	53
7	ON THE PROBABILITY/POSSIBILITY TRANSFORMATIONS:A COMPARATIVE ANALYSIS. <i>International Journal of General Systems</i> , 2000, 29, 671-718.	1.2	43
8	On the use of Hamacher's t-norms family for information aggregation. <i>Information Sciences</i> , 2003, 153, 107-154.	4.0	36
9	Sensor Fusion and Target Tracking Using Evidential Data Association. <i>IEEE Sensors Journal</i> , 2013, 13, 285-293.	2.4	36
10	Hybrid fuzzy probabilistic data association filter and joint probabilistic data association filter. <i>Information Sciences</i> , 2002, 142, 195-226.	4.0	32
11	A novel explainable COVID-19 diagnosis method by integration of feature selection with random forest. <i>Informatics in Medicine Unlocked</i> , 2022, 30, 100941.	1.9	31
12	Continuously Adaptive Data Fusion and Model Relearning for Particle Filter Tracking With Multiple Features. <i>IEEE Sensors Journal</i> , 2016, 16, 2639-2649.	2.4	30
13	SAM: Self-augmentation mechanism for COVID-19 detection using chest X-ray images. <i>Knowledge-Based Systems</i> , 2022, 241, 108207.	4.0	30
14	A hybrid approach for paraphrase identification based on knowledge-enriched semantic heuristics. <i>Language Resources and Evaluation</i> , 2020, 54, 457-485.	1.8	27
15	Data expansion using back translation and paraphrasing for hate speech detection. <i>Online Social Networks and Media</i> , 2021, 24, 100153.	2.3	26
16	Multivariable fuzzy inference system for fingerprinting indoor localization. <i>Fuzzy Sets and Systems</i> , 2015, 269, 65-89.	1.6	24
17	Possibilistic Kalman filtering for radar 2D tracking. <i>Information Sciences</i> , 2000, 130, 85-107.	4.0	22
18	COVID-19 detection from Xray and CT scans using transfer learning. , 2021, , .		22

#	ARTICLE	IF	CITATIONS
19	A survey of fuzzy logic in wireless localization. Eurasip Journal on Wireless Communications and Networking, 2020, 2020, .	1.5	21
20	Automatic face emotion recognition system. , 2010, , .		19
21	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
22	Securing Wireless Sensor Networks: A Survey. Edpacs, 2013, 47, 6-29.	0.5	18
23	Study of some algebraical properties of adaptive combination rules. Fuzzy Sets and Systems, 2000, 114, 391-409.	1.6	17
24	Approximated fuzzy LR computation. Information Sciences, 2003, 153, 155-175.	4.0	16
25	Content Based Image Retrieval: Review of State of Art and Future Directions. , 2008, , .		16
26	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
27	A modified fuzzy clustering for documents retrieval: application to document categorization. Journal of the Operational Research Society, 2009, 60, 384-394.	2.1	14
28	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
29	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
30	On the normalization of subnormal possibility distributions: New investigations. International Journal of General Systems, 2002, 31, 277-301.	1.2	11
31	MAuto: Automatic Mobile Game Testing Tool Using Image-Matching Based Approach. The Computer Games Journal, 2019, 8, 215-239.	1.0	10
32	From adaptive to progressive combination of possibility distributions. Fuzzy Sets and Systems, 2003, 139, 559-582.	1.6	9
33	Location Fixing and Fingerprint Matching Fingerprint Map Construction for Indoor Localization. Journal of Sensors, 2020, 2020, 1-14.	0.6	9
34	Positioning of a mobile robot with landmark-based method. , 0, , .		8
35	A semantic-based text classification system. , 2010, , .		8
36	An Iterative Graph-Based Generic Single and Multi Document Summarization Approach Using Semantic Role Labeling and Wikipedia Concepts. , 2016, , .		8

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37	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
38	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
39	Containment control of second-order multi-agent systems with directed topology and time-delays. Kybernetes, 2014, 43, 1248-1261.	1.2	7
40	A novel attributed community detection by integration of feature weighting and node centrality. Online Social Networks and Media, 2022, 30, 100219.	2.3	7
41	On the use of divergence distance in fuzzy clustering. Fuzzy Optimization and Decision Making, 2008, 7, 147-167.	3.4	6
42	Using features extracted from Wikipedia for the task of Word Sense Disambiguation. , 2010, , .		6
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	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
45	A Comparative Study of Conversion Aided Methods for WordNet Sentence Textual Similarity. , 2014, , .		6
46	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
47	Social media analysis of car parking behavior using similarity based clustering. Journal of Big Data, 2022, 9, .	6.9	6
48	Similarity-Based Query-Focused Multi-document Summarization Using Crowdsourced and Manually-built Lexical-Semantic Resources. , 2015, , .		5
49	New and robust method for trabecular bone texture based on fractal dimension. , 2016, , .		5
50	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
51	MaTED: Metadata-Assisted Twitter Event Detection System. Communications in Computer and Information Science, 2020, , 402-414.	0.4	5
52	Explainability for Medical Image Captioning. , 2022, , .		5
53	Inclusion-based Fuzzy Clustering. , 0, , 193-209.		4
54	Knowledge-based sentence semantic similarity: algebraical properties. Progress in Artificial Intelligence, 2022, 11, 43-63.	1.5	4

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55	Fuzzy linear regression for contact identification. , 0, , .		3
56	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
57	Data fusion: a study of adaptative combinations with incomplete certainty qualification. Kybernetes, 2006, 35, 1607-1627.	1.2	3
58	Evidential Data Association Filter. Communications in Computer and Information Science, 2010, , 209-217.	0.4	3
59	Sentences Simplification for Automatic summarization. , 2011, , .		3
60	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
61	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
62	Identifying and Extracting Named Entities from Wikipedia Database Using Entity Infoboxes. International Journal of Advanced Computer Science and Applications, 2014, 5, .	0.5	3
63	On the qualitative/necessity possibility measure. (I). Investigation in the framework of measurement theory. Information Sciences, 2000, 126, 205-275.	4.0	2
64	Data fusion: a study of adaptative combinations with incomplete certainty qualification. Kybernetes, 2006, 35, 1452-1491.	1.2	2
65	Robust model adaptation for tracking with online weighted color and shape feature. , 2014, , .		2
66	Enactive management: dancing with uncertainty and complexity. Kybernetes, 2014, 43, 1237-1247.	1.2	2
67	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
68	Multiple target tracking using particle filtering and multiple model for manoeuvring targets. International Journal of Automation and Control, 2015, 9, 303.	0.3	2
69	Performance evaluation of particle filter based visual tracking. Journal of Intelligent and Fuzzy Systems, 2016, 31, 2449-2462.	0.8	2
70	Vegetation height estimation using ubiquitous foot-based wearable platform. Environmental Monitoring and Assessment, 2020, 192, 774.	1.3	2
71	Cancer prediction using graph-based gene selection and explainable classifier. Finnish Journal of EHealth and EWelfare, 2022, 14, 61-78.	0.0	2
72	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

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73	Fuzzy-based approach for contact identification in force-controlled robot tasks: Engineering Applications of Artificial Intelligence, 2003, 16, 691-707.	4.3	1
74	Interval possibility measures: basic concepts and conditioning. Kybernetes, 2003, 32, 317-342.	1.2	1
75	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
76	Some notes on fusion of uncertain information. International Journal of Intelligent Systems, 2004, 19, 499-524.	3.3	1
77	Robot Collaboration for Simultaneous Map Building and Localization. , 2007, , .		1
78	Total variational image denoising. Influence of noise distribution: Comparison analysis. , 2010, , .		1
79	Fuzzy emotion recognition model for video sequences. , 2012, , .		1
80	Bluetooth -model analysis and simulation using NS2. , 2012, , .		1
81	Scale modification through particle distribution in colour based tracking. , 2013, , .		1
82	Towards the Quantification of Human-Robot Imitation Using Wearable Inertial Sensors. , 2017, , .		1
83	TDOA Wireless Localization Comparison Influence of Network Topology. Transactions on Networks and Communications, 2014, 2, .	0.2	1
84	Smart drainage management to limit summer drought damage in Nordic agriculture under the circular economy concept. Hydrological Processes, 2022, 36, .	1.1	1
85	Towards possibilistic JDPAF. , 0, , .		0
86	Bipolar logic and probabilistic interpretation. Kybernetes, 2005, 34, 1349-1383.	1.2	0
87	Automatic document summarizer. , 2008, , .		0
88	Centroid-based Classification Enhanced with Wikipedia. , 2010, , .		0
89	Special session on variational approaches in image processing (VAIP). , 2012, , .		0
90	Particle filter for mobile station Positioning in a cellular network. , 2016, , .		0

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91	On the use of contextual information for robust colour-based particle filter tracking. , 2018, , .		0
92	Vision-Based Fall Detection Using Body Geometry. Lecture Notes in Computer Science, 2021, , 170-185.	1.0	0
93	Notes on Fusion of Uncertain Information. , 2000, , 83-88.		0
94	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
95	From Measurements to Validation â€™ Soft Computing Contributions. , 2004, , 93-114.		0
96	Mechanism of Trust in Panel System. , 2004, , 115-135.		0
97	RELIABILITY THEORY USING HIGH CONDITIONAL PROBABILITY EVENTS. , 2004, , .		0
98	How to choose adjudication function in distributive cognition?. , 2010, , 435-464.		0
99	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
100	Argumentation system for intelligent assistants using fuzzy-based reasoning. , 2018, , .		0
101	A new knowledge discovery approach for mining business trade barriers. Journal of Intelligent Information Systems, 0, , .	2.8	0