

# Michel Salomon

## List of Publications by Year in descending order

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45  
papers

395  
citations

932766

10  
h-index

887659

17  
g-index

47  
all docs

47  
docs citations

47  
times ranked

316  
citing authors

#	ARTICLE	IF	CITATIONS
1	Emidec: A Database Usable for the Automatic Evaluation of Myocardial Infarction from Delayed-Enhancement Cardiac MRI. <i>Data</i> , 2020, 5, 89.	1.2	46
2	Distributed lifetime coverage optimization protocol in wireless sensor networks. <i>Journal of Supercomputing</i> , 2015, 71, 4578-4593.	2.4	41
3	Perimeter-based coverage optimization to improve lifetime in wireless sensor networks. <i>Engineering Optimization</i> , 2016, 48, 1951-1972.	1.5	41
4	Echo State Networks-Based Reservoir Computing for MNIST Handwritten Digits Recognition. , 2016, , .		37
5	Case-Based Reasoning adaptation of numerical representations of human organs by interpolation. <i>Expert Systems With Applications</i> , 2014, 41, 260-266.	4.4	32
6	Multiround Distributed Lifetime Coverage Optimization protocol in wireless sensor networks. <i>Journal of Supercomputing</i> , 2018, 74, 1949-1972.	2.4	20
7	Deep learning methods for automatic evaluation of delayed enhancement-MRI. The results of the EMIDEC challenge. <i>Medical Image Analysis</i> , 2022, 79, 102428.	7.0	16
8	Image Denoising Using a Deep Encoder-Decoder Network with Skip Connections. <i>Lecture Notes in Computer Science</i> , 2018, , 554-565.	1.0	15
9	A massively parallel approach to deformable matching of 3D medical images via stochastic differential equations. <i>Parallel Computing</i> , 2005, 31, 45-71.	1.3	13
10	Avenir des nouveaux concepts des calculs dosimÃ©triques basÃ©s sur les mÃ©thodes de Monte Carlo. <i>Radioprotection</i> , 2009, 44, 77-88.	0.5	12
11	Synchronous and asynchronous solution of a 3D transport model in a grid computing environment. <i>Applied Mathematical Modelling</i> , 2006, 30, 616-628.	2.2	11
12	Automatic deep learning-based myocardial infarction segmentation from delayed enhancement MRI. <i>Computerized Medical Imaging and Graphics</i> , 2022, 95, 102014.	3.5	10
13	Protein Folding in the 2D Hydrophobic-Hydrophilic (HP) Square Lattice Model is Chaotic. <i>Cognitive Computation</i> , 2012, 4, 98-114.	3.6	8
14	Respiratory lung motion using an artificial neural network. <i>Neural Computing and Applications</i> , 2012, 21, 929-934.	3.2	7
15	Efficient Domain Decomposition for a Neural Network Learning Algorithm, Used for the Dose Evaluation in External Radiotherapy. <i>Lecture Notes in Computer Science</i> , 2010, , 261-266.	1.0	7
16	Development of a new CBR-based platform for human contamination emergency situations. <i>Radiation Protection Dosimetry</i> , 2011, 144, 564-570.	0.4	6
17	Neural networks and chaos: Construction, evaluation of chaotic networks, and prediction of chaos with multilayer feedforward networks. <i>Chaos</i> , 2012, 22, 013122.	1.0	6
18	Active MEMS-based flow control using artificial neural network. <i>Mechatronics</i> , 2013, 23, 898-905.	2.0	5

#	ARTICLE	IF	CITATIONS
19	Gene similarity-based approaches for determining core-genes of chloroplasts. , 2014, , .		5
20	On the reconstruction of the ancestral bacterial genomes in genus Mycobacterium and Brucella. BMC Systems Biology, 2018, 12, 100.	3.0	5
21	Hybrid Genetic Algorithm and Lasso Test Approach for Inferring Well Supported Phylogenetic Trees Based on Subsets of Chloroplastic Core Genes. Lecture Notes in Computer Science, 2015, , 83-96.	1.0	5
22	Improving Blind Steganalysis in Spatial Domain Using a Criterion to Choose the Appropriate Steganalyzer Between CNN and SRM+EC. IFIP Advances in Information and Communication Technology, 2017, , 327-340.	0.5	5
23	Increasing Lifetime of Wireless Ad Hoc Networks Using a Decentralized Algorithmic Approach. , 2006, , .		4
24	EQUIVOX: AN EXAMPLE OF ADAPTATION USING AN ARTIFICIAL NEURAL NETWORK ON A CASE-BASED REASONING PLATFORM. Biomedical Engineering - Applications, Basis and Communications, 2013, 25, 1350027.	0.3	3
25	A Local-Control Algorithm to Prolong the Lifetime of Wireless Ad Hoc Networks. Lecture Notes in Computer Science, 2006, , 555-566.	1.0	3
26	Prediction of Myocardial Infarction From Patient Features With Machine Learning. Frontiers in Cardiovascular Medicine, 2022, 9, 754609.	1.1	3
27	Development of a 4D numerical chest phantom with customizable breathing. Physica Medica, 2016, 32, 795-800.	0.4	2
28	Myocardial Infarction Segmentation From Late Gadolinium Enhancement MRI By Neural Networks and Prior Information. , 2020, , .		2
29	A Comparative Study of Deep Learning Architectures for Detection of Anomalous ADS-B Messages. , 2020, , .		2
30	Using Deep Learning for Object Distance Prediction in Digital Holography. , 2021, , .		2
31	Binary Particle Swarm Optimization Versus Hybrid Genetic Algorithm for Inferring Well Supported Phylogenetic Trees. Lecture Notes in Computer Science, 2016, , 165-179.	1.0	2
32	Finding the Core-Genes of Chloroplasts. International Journal of Bioscience, Biochemistry, Bioinformatics (IJBBB), 2014, 4, 361-368.	0.2	2
33	Adapting Numerical Representations of Lung Contours Using Case-Based Reasoning and Artificial Neural Networks. Lecture Notes in Computer Science, 2012, , 137-151.	1.0	2
34	Supervised ADS-B Anomaly Detection Using a False Data Generator. , 2022, , .		2
35	A decentralized energy-based diffusion algorithm to increase the lifetime of MANETs. Computer Networks, 2010, 54, 2887-2898.	3.2	1
36	On the Ability to Reconstruct Ancestral Genomes from Mycobacterium Genus. Lecture Notes in Computer Science, 2017, , 642-658.	1.0	1

#	ARTICLE	IF	CITATIONS
37	Comparison of metaheuristics to measure gene effects on phylogenetic supports and topologies. BMC Bioinformatics, 2018, 19, 218.	1.2	1
38	Analyzing Stress Situations for Blind People. , 2019, , .		1
39	Ancestral Reconstruction and Investigations of Genomic Recombination on some Pentapetalae Chloroplasts. Journal of Integrative Bioinformatics, 2019, 16, .	1.0	1
40	Large Datasets: A Mixed Method to Adapt and Improve Their Learning by Neural Networks Used in Regression Contexts. International Federation for Information Processing, 2011, , 182-191.	0.4	1
41	Relation between Gene Content and Taxonomy in Chloroplasts. International Journal of Bioscience, Biochemistry, Bioinformatics (IJBBB), 2017, 7, 41-50.	0.2	1
42	Suitability of Artificial Neural Network for MEMS-based Flow Control. , 2012, , .		0
43	DATA PROCESSING USING ARTIFICIAL NEURAL NETWORKS TO IMPROVE THE SIMULATION OF LUNG MOTION. Biomedical Engineering - Applications, Basis and Communications, 2012, 24, 563-571.	0.3	0
44	Perspective de la plate-forme NEMOSIS dans le cadre d'une réduction de doses en imagerie. Radioprotection, 2012, 47, 599-617.	0.5	0
45	Integration of the lung motion into 3D phantoms. Physica Medica, 2013, 29, e25.	0.4	0