

Haralambos Sarimveis

List of Publications by Citations

Source: <https://exaly.com/author-pdf/6514805/haralambos-sarimveis-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

105
papers

3,683
citations

38
h-index

57
g-index

107
ext. papers

4,264
ext. citations

5
avg, IF

5.48
L-index

#	Paper	IF	Citations
105	Dynamic modeling and control of supply chain systems: A review. <i>Computers and Operations Research</i> , 2008 , 35, 3530-3561	4.6	270
104	A mathematical programming approach for optimal design of distributed energy systems at the neighbourhood level. <i>Energy</i> , 2012 , 44, 96-104	7.9	215
103	Determination of the optimal tilt angle and orientation for solar photovoltaic arrays. <i>Renewable Energy</i> , 2010 , 35, 2468-2475	8.1	121
102	A hierarchical fuzzy-clustering approach to fuzzy modeling. <i>Fuzzy Sets and Systems</i> , 2005 , 150, 245-266	3.7	109
101	Time series sales forecasting for short shelf-life food products based on artificial neural networks and evolutionary computing. <i>Journal of Food Engineering</i> , 2006 , 75, 196-204	6	106
100	A Fast and Efficient Algorithm for Training Radial Basis Function Neural Networks Based on a Fuzzy Partition of the Input Space. <i>Industrial & Engineering Chemistry Research</i> , 2002 , 41, 751-759	3.9	90
99	Ligand-based virtual screening procedure for the prediction and the identification of novel Amyloid aggregation inhibitors using Kohonen maps and Counterpropagation Artificial Neural Networks. <i>European Journal of Medicinal Chemistry</i> , 2011 , 46, 497-508	6.8	81
98	Radial basis function network training using a nonsymmetric partition of the input space and particle swarm optimization. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2013 , 24, 219-303	10.3	80
97	Optimization of window-openings design for thermal comfort in naturally ventilated buildings. <i>Applied Mathematical Modelling</i> , 2012 , 36, 193-211	4.5	78
96	A novel QSAR model for predicting induction of apoptosis by 4-aryl-4H-chromenes. <i>Bioorganic and Medicinal Chemistry</i> , 2006 , 14, 6686-94	3.4	78
95	Model-based optimal control of a hybrid power generation system consisting of photovoltaic arrays and fuel cells. <i>Journal of Power Sources</i> , 2008 , 181, 327-338	8.9	76
94	Fuzzy model predictive control of non-linear processes using genetic algorithms. <i>Fuzzy Sets and Systems</i> , 2003 , 139, 59-80	3.7	74
93	Nonlinear model predictive control for distributed parameter systems using data driven artificial neural network models. <i>Computers and Chemical Engineering</i> , 2008 , 32, 1225-1237	4	71
92	Prediction of high weight polymers glass transition temperature using RBF neural networks. <i>Computational and Theoretical Chemistry</i> , 2005 , 716, 193-198		67
91	The eNanoMapper database for nanomaterial safety information. <i>Beilstein Journal of Nanotechnology</i> , 2015 , 6, 1609-34	3	64
90	A new algorithm for developing dynamic radial basis function neural network models based on genetic algorithms. <i>Computers and Chemical Engineering</i> , 2004 , 28, 209-217	4	63
89	Prediction of intrinsic viscosity in polymer-solvent combinations using a QSPR model. <i>Polymer</i> , 2006 , 47, 3240-3248	3.9	61

88	QSAR study on para-substituted aromatic sulfonamides as carbonic anhydrase II inhibitors using topological information indices. <i>Bioorganic and Medicinal Chemistry</i> , 2006 , 14, 1108-14	3.4	58
87	A two-stage evolutionary algorithm for variable selection in the development of RBF neural network models. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2005 , 75, 149-162	3.8	58
86	A Neural Network Approach for the Correlation of Exhaust Emissions from a Diesel Engine with Diesel Fuel Properties. <i>Energy & Fuels</i> , 2003 , 17, 1259-1265	4.1	54
85	Stochastic model predictive control for constrained discrete-time Markovian switching systems. <i>Automatica</i> , 2014 , 50, 2504-2514	5.7	51
84	Predictive QSAR workflow for the in silico identification and screening of novel HDAC inhibitors. <i>Molecular Diversity</i> , 2009 , 13, 301-11	3.1	51
83	A fast training algorithm for RBF networks based on subtractive clustering. <i>Neurocomputing</i> , 2003 , 51, 501-505	5.4	51
82	A novel simple QSAR model for the prediction of anti-HIV activity using multiple linear regression analysis. <i>Molecular Diversity</i> , 2006 , 10, 405-14	3.1	49
81	Operational optimization and real-time control of fuel-cell systems. <i>Journal of Power Sources</i> , 2009 , 193, 258-268	8.9	48
80	A novel QSAR model for predicting the inhibition of CXCR3 receptor by 4-N-aryl-[1,4] diazepane ureas. <i>European Journal of Medicinal Chemistry</i> , 2009 , 44, 877-84	6.8	47
79	Optimal scheduling in a yogurt production line based on mixed integer linear programming. <i>Journal of Food Engineering</i> , 2007 , 80, 445-453	6	45
78	A GIS based operational system for wildland fire crisis management I. Mathematical modelling and simulation. <i>Applied Mathematical Modelling</i> , 2004 , 28, 389-410	4.5	45
77	In silico exploration for identifying structure-activity relationship of MEK inhibition and oral bioavailability for isothiazole derivatives. <i>Chemical Biology and Drug Design</i> , 2010 , 76, 397-406	2.9	44
76	A combined LS-SVM & MLR QSAR workflow for predicting the inhibition of CXCR3 receptor by quinazolinone analogs. <i>Molecular Diversity</i> , 2010 , 14, 225-35	3.1	44
75	Prediction of daily global solar irradiance on horizontal surfaces based on neural-network techniques. <i>Renewable Energy</i> , 2008 , 33, 1796-1803	8.1	44
74	A Data Fusion Pipeline for Generating and Enriching Adverse Outcome Pathway Descriptions. <i>Toxicological Sciences</i> , 2018 , 162, 264-275	4.4	43
73	Radial basis function neural networks classification for the recognition of idiopathic pulmonary fibrosis in microscopic images. <i>IEEE Transactions on Information Technology in Biomedicine</i> , 2008 , 12, 42-54		4 ²
72	NanoSolveIT Project: Driving nanoinformatics research to develop innovative and integrated tools for nanosafety assessment. <i>Computational and Structural Biotechnology Journal</i> , 2020 , 18, 583-602	6.8	41
71	Fractional calculus in pharmacokinetics. <i>Journal of Pharmacokinetics and Pharmacodynamics</i> , 2018 , 45, 107-125	2.7	41

70	A new algorithm for solving convex parametric quadratic programs based on graphical derivatives of solution mappings. <i>Automatica</i> , 2010 , 46, 1405-1418	5.7	40
69	Cooperative learning for radial basis function networks using particle swarm optimization. <i>Applied Soft Computing Journal</i> , 2016 , 49, 485-497	7.5	39
68	Nonlinear adaptive model predictive control based on self-correcting neural network models. <i>AIChE Journal</i> , 2005 , 51, 2495-2506	3.6	39
67	Identification of a series of novel derivatives as potent HCV inhibitors by a ligand-based virtual screening optimized procedure. <i>Bioorganic and Medicinal Chemistry</i> , 2007 , 15, 7237-47	3.4	37
66	A multidisciplinary decision support system for forest fire crisis management. <i>Environmental Management</i> , 2004 , 33, 212-25	3.1	37
65	A global piecewise smooth Newton method for fast large-scale model predictive control. <i>Automatica</i> , 2011 , 47, 2016-2022	5.7	36
64	Development and Evaluation of a QSPR Model for the Prediction of Diamagnetic Susceptibility. <i>QSAR and Combinatorial Science</i> , 2008 , 27, 432-436		35
63	A line up evolutionary algorithm for solving nonlinear constrained optimization problems. <i>Computers and Operations Research</i> , 2005 , 32, 1499-1514	4.6	35
62	A neural network approach to the prediction of diesel fuel lubricity. <i>Fuel</i> , 2002 , 81, 1243-1250	7.1	34
61	Prediction of toxicity using a novel RBF neural network training methodology. <i>Journal of Molecular Modeling</i> , 2006 , 12, 297-305	2	33
60	Optimal production scheduling for the dairy industry. <i>Annals of Operations Research</i> , 2008 , 159, 315-331	3.2	31
59	RRegrs: an R package for computer-aided model selection with multiple regression models. <i>Journal of Cheminformatics</i> , 2015 , 7, 46	8.6	30
58	Variable selection in nonlinear modeling based on RBF networks and evolutionary computation. <i>International Journal of Neural Systems</i> , 2010 , 20, 365-79	6.2	29
57	A Novel QSAR Model for Evaluating and Predicting the Inhibition Activity of Dipeptidyl Aspartyl Fluoromethylketones. <i>QSAR and Combinatorial Science</i> , 2006 , 25, 928-935		27
56	A novel RBF neural network training methodology to predict toxicity to <i>Vibrio fischeri</i> . <i>Molecular Diversity</i> , 2006 , 10, 213-21	3.1	27
55	Model Predictive Control for Linear Impulsive Systems. <i>IEEE Transactions on Automatic Control</i> , 2015 , 60, 2277-2282	5.9	26
54	A combined model predictive control and time series forecasting framework for production-inventory systems. <i>International Journal of Production Research</i> , 2008 , 46, 6841-6853	7.8	25
53	An adaptive model predictive control configuration for production inventory systems. <i>International Journal of Production Economics</i> , 2008 , 114, 165-178	9.3	25

52	A novel QSPR model for predicting T_c (lower critical solution temperature) in polymer solutions using molecular descriptors. <i>Journal of Molecular Modeling</i> , 2007 , 13, 55-64	2	25
51	A safe-by-design tool for functionalised nanomaterials through the Enalos Nanoinformatics Cloud platform. <i>Nanoscale Advances</i> , 2019 , 1, 706-718	5.1	24
50	A new neural network model for evaluating the performance of various hourly slope irradiation models: Implementation for the region of Athens. <i>Renewable Energy</i> , 2010 , 35, 1357-1362	8.1	24
49	Stabilising model predictive control for discrete-time fractional-order systems. <i>Automatica</i> , 2017 , 75, 24-31	5.7	23
48	Model predictive control for systems with fast dynamics using inverse neural models. <i>ISA Transactions</i> , 2018 , 72, 161-177	5.5	23
47	Perspectives from the NanoSafety Modelling Cluster on the validation criteria for (Q)SAR models used in nanotechnology. <i>Food and Chemical Toxicology</i> , 2018 , 112, 478-494	4.7	21
46	Convex parametric piecewise quadratic optimization: Theory and algorithms. <i>Automatica</i> , 2011 , 47, 1770-1777	5.1	21
45	Development of a novel computational tool for optimizing the operation of fuel cells systems: Application for phosphoric acid fuel cells. <i>Journal of Power Sources</i> , 2008 , 185, 345-355	8.9	20
44	Transcriptomics in Toxicogenomics, Part III: Data Modelling for Risk Assessment. <i>Nanomaterials</i> , 2020 , 10,	5.4	19
43	Model predictive temperature control in long ducts by means of a neural network approximation tool. <i>Applied Thermal Engineering</i> , 2007 , 27, 2363-2369	5.8	19
42	Transcriptomics in Toxicogenomics, Part I: Experimental Design, Technologies, Publicly Available Data, and Regulatory Aspects. <i>Nanomaterials</i> , 2020 , 10,	5.4	18
41	A threshold accepting heuristic with intense local search for the solution of special instances of the traveling salesman problem. <i>European Journal of Operational Research</i> , 2007 , 177, 1911-1929	5.6	18
40	Robust nonlinear H_∞ control of hyperbolic distributed parameter systems. <i>Control Engineering Practice</i> , 2009 , 17, 723-732	3.9	17
39	Design of a novel adaptive inventory control system based on the online identification of lead time. <i>International Journal of Production Economics</i> , 2008 , 114, 781-792	9.3	17
38	Transcriptomics in Toxicogenomics, Part II: Preprocessing and Differential Expression Analysis for High Quality Data. <i>Nanomaterials</i> , 2020 , 10,	5.4	16
37	MouseTox: An online toxicity assessment tool for small molecules through Enalos Cloud platform. <i>Food and Chemical Toxicology</i> , 2017 , 110, 83-93	4.7	15
36	toxFlow: A Web-Based Application for Read-Across Toxicity Prediction Using Omics and Physicochemical Data. <i>Journal of Chemical Information and Modeling</i> , 2018 , 58, 543-549	6.1	15
35	The performance of pixel window algorithms in the classification of habitats using VHSR imagery. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2006 , 60, 225-238	11.8	15

34	Multiobjective constrained MPC with simultaneous closed-loop identification. <i>International Journal of Adaptive Control and Signal Processing</i> , 2006 , 20, 145-173	2.8	15
33	Development of Deep Learning Models for Predicting the Effects of Exposure to Engineered Nanomaterials on <i>Daphnia magna</i> . <i>Small</i> , 2020 , 16, e2001080	11	14
32	Model predictive control for offset-free reference tracking of fractional order systems. <i>Control Engineering Practice</i> , 2018 , 71, 26-33	3.9	13
31	QSAR modeling of the toxicity classification of superparamagnetic iron oxide nanoparticles (SPIONs) in stem-cell monitoring applications: an integrated study from data curation to model development.. <i>RSC Advances</i> , 2020 , 10, 5385-5391	3.7	12
30	Jaqpot Quattro: A Novel Computational Web Platform for Modeling and Analysis in Nanoinformatics. <i>Journal of Chemical Information and Modeling</i> , 2017 , 57, 2161-2172	6.1	12
29	Risk Management Framework for Nano-Biomaterials Used in Medical Devices and Advanced Therapy Medicinal Products. <i>Materials</i> , 2020 , 13,	3.5	11
28	Can an InChI for Nano Address the Need for a Simplified Representation of Complex Nanomaterials across Experimental and Nanoinformatics Studies?. <i>Nanomaterials</i> , 2020 , 10,	5.4	10
27	Enriching Nanomaterials Omics Data: An Integration Technique to Generate Biological Descriptors. <i>Small Methods</i> , 2017 , 1, 1700139	12.8	9
26	A fuzzy logic approach for the classification of product qualitative characteristics. <i>Computers and Chemical Engineering</i> , 2002 , 26, 429-438	4	9
25	Read-across predictions of nanoparticle hazard endpoints: a mathematical optimization approach. <i>Nanoscale Advances</i> , 2019 , 1, 3485-3498	5.1	7
24	Design of robust nonsquare constrained model-predictive control. <i>AIChE Journal</i> , 1996 , 42, 2582-2593	3.6	7
23	Predictive control algorithms for congestion management in electric power distribution grids. <i>Applied Mathematical Modelling</i> , 2020 , 77, 635-651	4.5	7
22	Population pharmacokinetic reanalysis of a Diazepam PBPK model: a comparison of Stan and GNU MCSim. <i>Journal of Pharmacokinetics and Pharmacodynamics</i> , 2019 , 46, 173-192	2.7	6
21	An enhanced decentralized artificial immune-based strategy formulation algorithm for swarms of autonomous vehicles. <i>Applied Soft Computing Journal</i> , 2020 , 89, 106135	7.5	6
20	Robust model predictive control for optimal continuous drug administration. <i>Computer Methods and Programs in Biomedicine</i> , 2014 , 116, 193-204	6.9	5
19	Radial basis function neural networks classification using very high spatial resolution satellite imagery: an application to the habitat area of Lake Kerkini (Greece). <i>International Journal of Remote Sensing</i> , 2005 , 26, 1861-1880	3.1	5
18	Machine learning methods for multi-walled carbon nanotubes (MWCNT) genotoxicity prediction. <i>Nanoscale Advances</i> , 2021 , 3, 3167-3176	5.1	5
17	An Inverse Neural Controller Based on the Applicability Domain of RBF Network Models. <i>Sensors</i> , 2018 , 18,	3.8	4

16	Optimization of power production through coordinated use of hydroelectric and conventional power units. <i>Applied Mathematical Modelling</i> , 2014 , 38, 2051-2062	4.5	4
15	Decision Trees for Continuous Data and Conditional Mutual Information as a Criterion for Splitting Instances. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2016 , 19, 423-8	1.3	4
14	Machine learning predictions of concentration-specific aggregate hazard scores of inorganic nanomaterials in embryonic zebrafish. <i>Nanotoxicology</i> , 2021 , 15, 446-476	5.3	4
13	An MILP Model for Optimal Scheduling of the Lubricant Production Plant. <i>Chemical Engineering Communications</i> , 2005 , 192, 1067-1084	2.2	3
12	Apellis: An online tool for read-across model development. <i>Computational Toxicology</i> , 2021 , 17, 100146	3.1	3
11	A robust model predictive control framework for the regulation of anesthesia process with Propofol. <i>Optimal Control Applications and Methods</i> , 2021 , 42, 965-986	1.7	3
10	Model Predictive Control for Linear Impulsive Systems 2012 ,		2
9	An explicit optimal control approach for mean-risk dynamic portfolio allocation 2007 ,		2
8	A Method for Fuzzy System Identification Based on Clustering Analysis. <i>Systems Analysis Modelling Simulation</i> , 2002 , 42, 797-823		2
7	MODELING AND CONTROL OF CONTINUOUS DIGESTERS USING THE PLS METHODOLOGY. <i>Chemical Engineering Communications</i> , 2004 , 191, 1271-1284	2.2	1
6	Identifying diverse metal oxide nanomaterials with lethal effects on embryonic zebrafish using machine learning.. <i>Beilstein Journal of Nanotechnology</i> , 2021 , 12, 1297-1325	3	1
5	Multi-Ship Control and Collision Avoidance Using MPC and RBF-Based Trajectory Predictions. <i>Sensors</i> , 2021 , 21,	3.8	1
4	Automated Grouping of Nanomaterials and Read-Across Prediction of Their Adverse Effects Based on Mathematical Optimization. <i>Journal of Chemical Information and Modeling</i> , 2021 , 61, 2766-2779	6.1	1
3	MCDCalc: Markov Chain Molecular Descriptors Calculator for Medicinal Chemistry. <i>Current Topics in Medicinal Chemistry</i> , 2020 , 20, 305-317	3	0
2	NanoSolveIT integration of tools for assessment of human and environmental exposure to nanomaterials 2021 , 81-120		0
1	Image Analysis and Deep Learning Web Services for Nano informatics 2021 , 547-564		