Yolanda Villacampa

List of Publications by Year
in descending order

73 papers	382 citations	758635 12 h-index	887659 17 g-index
73 all docs	73 docs citations	73 times ranked	213 citing authors

#	Article	IF	Citations
1	MARIOLA: a model for calculating the response of mediterranean bush ecosystem to climatic variations. Ecological Modelling, 1995, 80, 113-129.	1.2	30
2	MATHEMATICAL MODELS OF COMPLEX STRUCTURAL SYSTEMS. A LINGUISTIC VISION. International Journal of General Systems, 1999, 28, 37-52.	1.2	23
3	Modelling of Escherichia coli concentrations in bathing water at microtidal coasts. Science of the Total Environment, 2017, 593-594, 173-181.	3.9	22
4	A TEXT THEORY OF ECOLOGICAL SYSTEM. Cybernetics and Systems, 1999, 30, 587-607.	1.6	21
5	A new methodology for complex systems using n-dimensional finite elements. Advances in Engineering Software, 2012, 48, 52-57.	1.8	20
6	Generative and recognoscitive grammars of ecological models. Ecological Modelling, 1999, 117, 315-332.	1.2	19
7	STATISTICAL LINGUISTIC LAWS IN ECOLOGICAL MODELS. Cybernetics and Systems, 1999, 30, 697-724.	1.6	18
8	Artificial neural network modeling of cross-shore profile on sand beaches: The coast of the province of Valencia (Spain). Marine Georesources and Geotechnology, 2018, 36, 698-708.	1.2	18
9	Modeling construction time in Spanish building projects. International Journal of Project Management, 2014, 32, 861-873.	2.7	17
10	A new methodology for modelling highly structured systems. Environmental Modelling and Software, 2000, 15, 461-470.	1.9	16
11	Generation of representation models for complex systems using Lagrangian functions. Advances in Engineering Software, 2013, 64, 33-37.	1.8	13
12	New Methodology for the Classification of Gravel Beaches: Adjusted on Alicante (Spain). Journal of Coastal Research, 2015, 314, 1023-1034.	0.1	12
13	UNCERTAINTY AND COMPLEMENTARITY PRINCIPLES IN ECOLOGICAL MODELS. Cybernetics and Systems, 2000, 31, 137-159.	1.6	10
14	A computer program for a Monte Carlo analysis of sensitivity in equations of environmental modelling obtained from experimental data. Advances in Engineering Software, 2002, 33, 351-359.	1.8	10
15	Gravel beaches nourishment: Modelling the equilibrium beach profile. Science of the Total Environment, 2018, 619-620, 772-783.	3.9	10
16	A finite element numerical algorithm for modelling and data fitting in complex systems. International Journal of Computational Methods and Experimental Measurements, 2016, 4, 100-113.	0.1	10
17	A geometric model for the generation of models defined in Complex Systems. , 2009, , .		10
18	A computational algorithm for the multiple generation of nonlinear mathematical models and stability study. Advances in Engineering Software, 2008, 39, 430-437.	1.8	9

#	ARTICLE	IF	CITATIONS
19	Galerkin's formulation of the finite elements method to obtain the depth of closure. Science of the Total Environment, 2019, 660, 1256-1263.	3.9	9
20	An Octahedric Regression Model of Energy Efficiency on Residential Buildings. Applied Sciences (Switzerland), 2019, 9, 4978.	1.3	9
21	Numerical determination for solving the symmetric eigenvector problem using genetic algorithm. Applied Mathematical Modelling, 2016, 40, 4935-4947.	2.2	8
22	Numerical modelling of the equilibrium profile in Valencia (Spain). Ocean Engineering, 2016, 123, 164-173.	1.9	7
23	Parallel approach of a Galerkin-based methodology for predicting the compressive strength of the lightweight aggregate concrete. Construction and Building Materials, 2019, 219, 56-68.	3.2	7
24	Morphological classification of microtidal sand and gravel beaches. Ocean Engineering, 2015, 109, 309-319.	1.9	6
25	SEMANTICS OF COMPLEX STRUCTURAL SYSTEMSâ€"PRESENTATION AND REPRESENTATION: A SYNCHRONIC VISION OF LANGUAGEL(M_T). International Journal of General Systems, 2001, 30, 479-501.	1.2	5
26	Analysis and modelling of cross-shore profile of gravel beaches in the province of Alicante. Ocean Engineering, 2016, 118, 173-186.	1.9	5
27	A systems study of lotus's leaf area. Kybernetes, 2007, 36, 225-235.	1.2	4
28	A stability theory for model systems. Kybernetes, 2007, 36, 683-696.	1.2	4
29	Modelling the cross-shore profiles of sand beaches using artificial neural networks. Marine Georesources and Geotechnology, 2019, 37, 683-694.	1.2	4
30	Using the Presence of Seagrass Posidonia oceanica to Model the Equilibrium Profile Parameter A of Sandy Beaches in Spain. Journal of Coastal Research, 2017, 335, 1074-1085.	0.1	3
31	A computational algorithm for system modelling based on bi-dimensional finite element techniques. Advances in Engineering Software, 2009, 40, 30-40.	1.8	2
32	INTERPRETATION OF THE GENERALIZED ZIPF-MANDELBROT LAW PARAMETERS. Cybernetics and Systems, 2009, 40, 326-336.	1.6	2
33	Model information transmission system. Kybernetes, 2009, 38, 596-605.	1.2	2
34	INFORMATION STORAGE SYSTEM. Cybernetics and Systems, 2010, 41, 307-316.	1.6	2
35	Predictive models of minimum temperatures for the south of Buenos Aires province. Science of the Total Environment, 2020, 699, 134280.	3.9	2
36	Modelling Faba Bean (Vicia faba L.) Biomass Production for Sustainability of Agricultural Systems of Pampas. Sustainability, 2020, 12, 9829.	1.6	2

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37	Mathematical models to estimate leaf area in plants of wheat. , 2009, , .		2
38	NOTIONAL LOGIC OF SYSTEMS. Cybernetics and Systems, 2002, 33, 189-201.	1.6	1
39	A new approach for multistep numerical methods in several frequencies for perturbed oscillators. Advances in Engineering Software, 2012, 45, 252-260.	1.8	1
40	Numerical Non-Linear Modelling Algorithm Using Radial Kernels on Local Mesh Support. Mathematics, 2020, 8, 1600.	1.1	1
41	Classification of Sediment Quality according to Its Behavior in the Accelerated Particle Wear Test (APW). Sustainability, 2021, 13, 2633.	1.6	1
42	A Foundation for Logarithmic Utility Function of Money. Mathematics, 2021, 9, 665.	1.1	1
43	Lotus glaber Mill. Induced autotetraploid: new forage resource for the Flooding Pampas. WIT Transactions on Ecology and the Environment, 2007, , .	0.0	1
44	<i>Lotus glaber</i>Mill: comparison of some morphological-physiological characters between an induced autotetraploid population and diploid cultivars. WIT Transactions on Ecology and the Environment, 2009, , .	0.0	1
45	Re-use of the industrial heritage of Bovisa: a model for urban and cultural regeneration. , 2012, , .		1
46	NON-LINEAR NUMERICAL MODELS FOR PREDICTING THE BOND STRENGTH OF FIBRE-REINFORCED CONCRETE AT HIGH TEMPERATURES. WIT Transactions on Engineering Sciences, 2019, , .	0.0	1
47	Classroom Note:A Study of a Semi-Infinite Integral. SIAM Review, 1997, 39, 494-495.	4.2	0
48	A priori estimates of the solution for the Dirichlet problem. IMA Journal of Applied Mathematics, 2002, 67, 371-382.	0.8	0
49	MODELLING OF STATISTICAL LAWS FOR TEXTS USING A PEARSON SYSTEM. Cybernetics and Systems, 2008, 40, 52-64.	1.6	0
50	An algorithm for exact integration of some forced and damped oscillatory problems, based in the Ï„-functions. Advances in Engineering Software, 2010, 41, 1200-1210.	1.8	0
51	Finite elements method based on Galerkinâ€™s formulation for predicting the sand bars position. Marine Georesources and Geotechnology, 2021, 39, 962-973.	1.2	0
52	Consistency and Completeness in Model Systems. Cybernetics and Systems, 2021, 52, 213-220.	1.6	0
53	A family of models to study the growth of Haloferax mediterranei in different conditions. WIT Transactions on Ecology and the Environment, 2007, , .	0.0	0
54	A phenological model for the soybean. WIT Transactions on Ecology and the Environment, 2007, , .	0.0	0

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55	Modelling the effect of temperature and photoperiod on the faba bean (*Vicia faba* L.). WIT Transactions on Ecology and the Environment, 2009, , .	0.0	0
56	Characterisation of the spatial variability of waterlogging in the Blue River Basin (Argentina). , 2011, , .		0
57	Analysis of the determining parameters of energy efficiency on residential buildings in the Mediterranean climate. , 2011, , .		0
58	Photovoltaic energy and the environment. WIT Transactions on Ecology and the Environment, 2011, , .	0.0	0
59	Improvement of an induced autotetraploid population of *Lotus tenuis* for their use in the Flooding Pampas. WIT Transactions on Ecology and the Environment, 2013, , .	0.0	0
60	Statistical analysis of soy cultivation in Argentina. WIT Transactions on Ecology and the Environment, 2013, , .	0.0	0
61	Numerical and regression models for the leaf area of tomato seedlings. , 2013, , .		0
62	A geometric model defined by a family of Splines for modelling complex systems. WIT Transactions on Ecology and the Environment, 2013, , .	0.0	0
63	An application of the Î¦-functions series method to the integration of seismic modelling. , 2013, , .		0
64	Artificial surfing reefs in the Mediterranean Sea: an integrated solution for the erosion of the shoreline in BahÃa Norte, Alicante. WIT Transactions on Ecology and the Environment, 2014, , .	0.0	0
65	Models to estimate the mechanical resistance to penetration in Argentine agricultural soils. WIT Transactions on Ecology and the Environment, 2015, , .	0.0	0
66	A theoretical model of the circuit of empty chemical containers from production to reuse. , 2015, , .		0
67	A methodology for the classification of gravel beaches. , 2015, , .		0
68	ALICANTE COASTAL MANAGEMENT FOR SUSTAINABLE DEVELOPMENT. WIT Transactions on State-of-the-art in Science and Engineering, 2016, , 334-343.	0.0	0
69	SUSTAINABLE DEVELOPMENT CITY-BEACH IN ALICANTE. WIT Transactions on State-of-the-art in Science and Engineering, 2016, , 344-352.	0.0	0
70	WATER QUALITY OF THE BEACH IN AN URBAN AND NOT URBAN ENVIRONMENT. WIT Transactions on State-of-the-art in Science and Engineering, 2016, , 353-363.	0.0	0
71	COMPRESSIVE STRENGTH CLASSIFICATION OF LIGHTWEIGHT AGGREGATE CONCRETE USING A SUPPORT VECTOR MACHINE MODEL. WIT Transactions on Engineering Sciences, 2019, , .	0.0	0
72	OPTIMISATION OF MODELS FOR THE DETERMINATION OF THE CREST OF BARS ON SANDY BEACHES. , 2019, , .		0

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73	An Algorithm for Numerical Integration of ODE with Sampled Unknown Functional Factors. Mathematics, 2022, 10, 1516.	1.1	0