

# Marco Ferrante

## List of Publications by Year in descending order

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109  
papers

3,399  
citations

136885

32  
h-index

155592

55  
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114  
all docs

114  
docs citations

114  
times ranked

1602  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Laboratory Set-Up for the Analysis of Intermittent Water Supply: First Results. <i>Water (Switzerland)</i> , 2022, 14, 936.	1.2	6
2	Herbivory on the pedunculate oak along an urbanization gradient in Europe: Effects of impervious surface, local tree cover, and insect feeding guild. <i>Ecology and Evolution</i> , 2022, 12, e8709.	0.8	8
3	A simultaneous assessment of multiple ecosystem services and disservices in vineyards and orchards on Terceira Island, Azores. <i>Agriculture, Ecosystems and Environment</i> , 2022, 330, 107909.	2.5	9
4	Diagnosis of Water Distribution Systems through Transient Tests: The Pilot Study of Milan. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2022, 148, .	1.3	2
5	The Use of Hydrants for Transient Test-Based Diagnosis of the Water Distribution Systems of Milan, Italy. <i>Journal of Pipeline Systems Engineering and Practice</i> , 2022, 13, .	0.9	2
6	Transients in a series of two polymeric pipes of different materials. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2021, 59, 810-819.	0.7	12
7	Oil Pollution Affects the Central Metabolism of Keystone <i>Vachellia</i> (Acacia) Trees. <i>Sustainability</i> , 2021, 13, 6660.	1.6	3
8	Invertebrate and vertebrate predation rates in a hyperarid ecosystem following an oil spill. <i>Ecology and Evolution</i> , 2021, 11, 12153-12160.	0.8	7
9	Effect of Weed Management on the Parasitoid Community in Mediterranean Vineyards. <i>Biology</i> , 2021, 10, 7.	1.3	17
10	Search for top-down and bottom-up drivers of latitudinal trends in insect herbivory in oak trees in Europe. <i>Global Ecology and Biogeography</i> , 2021, 30, 651-665.	2.7	18
11	Monitoring Arthropods in Azorean Agroecosystems: the project AGRO-ECOSERVICES. <i>Biodiversity Data Journal</i> , 2021, 9, e77548.	0.4	9
12	The potential of trap and barrier cropping to decrease densities of the whitefly <i>Bemisia tabaci</i> MED on cotton in China. <i>Pest Management Science</i> , 2020, 76, 366-374.	1.7	24
13	Seed Predation on Oil-Polluted and Unpolluted <i>Vachellia</i> (Acacia) Trees in a Hyper-Arid Desert Ecosystem. <i>Insects</i> , 2020, 11, 665.	1.0	3
14	Diversity of Bird Communities in Tea ( <i>Camellia sinensis</i> ) Plantations in Fujian Province, South-Eastern China. <i>Diversity</i> , 2020, 12, 457.	0.7	4
15	The Impact of Terrestrial Oil Pollution on Parasitoid Wasps Associated With <i>Vachellia</i> (Fabales): Tj ETQq1 1 0,784314 rgBT /Ov	0.7	1
16	Trunk Refugia: A Simple, Inexpensive Method for Sampling Tree Trunk Arthropods. <i>Journal of Insect Science</i> , 2020, 20, .	0.6	9
17	Mass, Energy, and Cost Balances in Water Distribution Systems with PATs: The Trondheim Network Case Study. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2020, 146, .	1.3	8
18	Distribution of ecosystem services within oilseed rape fields: Effects of field defects on pest and weed seed predation rates. <i>Agriculture, Ecosystems and Environment</i> , 2020, 295, 106894.	2.5	15

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19	The Parasitoid <i>Eretmocerus hayati</i> Is Compatible with Barrier Cropping to Decrease Whitefly ( <i>Bemisia</i> ) Tj ETQq1 1 0,784314 rgBT /Overl	1.0	6
20	Can School Children Support Ecological Research? Lessons from the &lt;i>Oak Bodyguard&lt;/i> Citizen Science Project. <i>Citizen Science: Theory and Practice</i> , 2020, 5, 10.	0.6	17
21	Predation pressure in maize across Europe and in Argentina: an intercontinental comparison. <i>Insect Science</i> , 2019, 26, 545-554.	1.5	15
22	Experimental validation of the admittance matrix method on a Y-system. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2018, 56, 439-450.	0.7	5
23	Calibration of viscoelastic parameters by means of transients in a branched water pipeline system. <i>Urban Water Journal</i> , 2018, 15, 9-15.	1.0	11
24	Numerical investigation of pipe length determination in branched systems by transient tests. <i>Water Science and Technology: Water Supply</i> , 2018, 18, 1062-1071.	1.0	4
25	Comparison of viscoelastic models with a different number of parameters for transient simulations. <i>Journal of Hydroinformatics</i> , 2018, 20, 1-17.	1.1	19
26	Diagnosis of a transmission main by means of transients caused by a pump switch-off. <i>Urban Water Journal</i> , 2018, 15, 1001-1006.	1.0	3
27	The effect of urbanization on the functional and scale-sensitive diversity of bird assemblages in Central India. <i>Journal of Tropical Ecology</i> , 2018, 34, 341-350.	0.5	9
28	Nestedness of bird assemblages along an urbanisation gradient in Central India. <i>Journal of Urban Ecology</i> , 2018, 4, .	0.6	4
29	Risk-based sensor placement methods for burst/leak detection in water distribution systems. <i>Water Science and Technology: Water Supply</i> , 2017, 17, 1663-1672.	1.0	9
30	Leak Detection in a Branched System by Inverse Transient Analysis with the Admittance Matrix Method. <i>Water Resources Management</i> , 2017, 31, 4075-4089.	1.9	62
31	A functional overview of conservation biological control. <i>Crop Protection</i> , 2017, 97, 145-158.	1.0	180
32	Predators do not spill over from forest fragments to maize fields in a landscape mosaic in central Argentina. <i>Ecology and Evolution</i> , 2017, 7, 7699-7707.	0.8	29
33	Experimental characterization of PVC-O pipes for transient modeling. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2017, 66, 606-620.	0.6	9
34	Numerical study on accuracy of frequency-domain modelling of transients. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2017, 55, 813-828.	0.7	15
35	Viscoelastic models for the simulation of transients in polymeric pipes. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2017, 55, 599-612.	0.7	28
36	The carabid <i>Pterostichus melanarius</i> uses chemical cues for opportunistic predation and saprophagy but not for finding healthy prey. <i>BioControl</i> , 2017, 62, 741-747.	0.9	14

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37	A review of the sentinel prey method as a way of quantifying invertebrate predation under field conditions. <i>Insect Science</i> , 2017, 24, 528-542.	1.5	121
38	Numerical transient analysis of random leakage in time and frequency domains. <i>Civil Engineering and Environmental Systems</i> , 2016, 33, 70-84.	0.4	9
39	Mechanism of interaction of pressure waves at a discrete partial blockage. <i>Journal of Fluids and Structures</i> , 2016, 62, 33-45.	1.5	31
40	Delineation of Wellhead Protection Areas in the Umbria Region. 1. A simplified Procedure. <i>Procedia Environmental Sciences</i> , 2015, 25, 90-95.	1.3	4
41	A stochastic approach for extended partial blockage detection in viscoelastic pipelines: numerical and laboratory experiments. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2015, 64, 583-595.	0.6	15
42	Hydraulic Characterization of PVC-O Pipes by Means of Transient Tests. <i>Procedia Engineering</i> , 2015, 119, 263-269.	1.2	4
43	Delineation of Wellhead Protection Areas in the Umbria region. 2. Validation of the Proposed Procedure. <i>Procedia Environmental Sciences</i> , 2015, 25, 96-103.	1.3	4
44	Anomaly pre-localization in distributionâ€“transmission mains by pump trip: preliminary field tests in the Milan pipe system. <i>Journal of Hydroinformatics</i> , 2015, 17, 377-389.	1.1	113
45	Leak-Induced Pressure Decay During Transients in Viscoelastic Pipes. Preliminary Results. <i>Procedia Engineering</i> , 2015, 119, 243-252.	1.2	8
46	Transient Effects of Self-adjustment of Pressure Reducing Valves. <i>Procedia Engineering</i> , 2015, 119, 1030-1038.	1.2	14
47	Discussion of â€œSingle-Event Leak Detection in Pipeline Using First Three Resonant Responsesâ€“by Jinzhe Gong, Martin F. Lambert, Angus R. Simpson, and Aaron C. Zecchin. <i>Journal of Hydraulic Engineering</i> , 2015, 141, 07014019.	0.7	0
48	Corrigendum to &quot;Preface: CCWI 2013&quot; published in <i>Drink. Water Eng. Sci.</i> , 7, 99â€“100, 2014. <i>Drinking Water Engineering and Science</i> , 2015, 8, 1-1.	0.8	0
49	Transmission Main Survey by Transient Tests: The Case of Villanova Plan in Mantova (I). <i>Procedia Engineering</i> , 2014, 89, 1343-1349.	1.2	1
50	Effect of Uncertainty Demand Location on Transient behavior of WDS. <i>Procedia Engineering</i> , 2014, 89, 1321-1328.	1.2	3
51	Quantifying predation pressure along an urbanisation gradient in Denmark using artificial caterpillars. <i>European Journal of Entomology</i> , 2014, 111, 649-654.	1.2	52
52	Leak Size, Detectability and Test Conditions in Pressurized Pipe Systems. <i>Water Resources Management</i> , 2014, 28, 4583-4598.	1.9	56
53	Detection and sizing of extended partial blockages in pipelines by means of a stochastic successive linear estimator. <i>Journal of Hydroinformatics</i> , 2014, 16, 248-258.	1.1	28
54	The Skeletonization of Milan WDS on Transients Due to Pumping Switching off: Preliminary Results. <i>Procedia Engineering</i> , 2014, 70, 1131-1136.	1.2	2

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55	The Leak Law: From Local to Global Scale. <i>Procedia Engineering</i> , 2014, 70, 651-659.	1.2	15
56	Energy dissipation and pressure decay during transients in viscoelastic pipes with an in-line valve. <i>Journal of Fluids and Structures</i> , 2014, 45, 235-249.	1.5	58
57	Two-Dimensional Features of Viscoelastic Models of Pipe Transients. <i>Journal of Hydraulic Engineering</i> , 2014, 140, 04014036.	0.7	55
58	Further Developments in Rapidly Decelerating Turbulent Pipe Flow Modeling. <i>Journal of Hydraulic Engineering</i> , 2014, 140, .	0.7	51
59	Local and Global Leak Laws. <i>Water Resources Management</i> , 2014, 28, 3761-3782.	1.9	32
60	Real Data Analysis and Efficiency of the TEA Mantova Casale (Italy) Variable-speed Pumping Station. <i>Procedia Engineering</i> , 2014, 70, 248-255.	1.2	7
61	The Characterization of Milan WDS by Pumping Switching off: Field Test Assesment. <i>Procedia Engineering</i> , 2014, 70, 201-208.	1.2	8
62	A Stochastic Tool for Determining the Presence of Partial Blockages in Viscoelastic Pipelines: First Experimental Results. <i>Procedia Engineering</i> , 2014, 70, 1112-1120.	1.2	9
63	The Dependence of District Minimum Night Flow on Pressure Head: The Case Study of Lenola. <i>Procedia Engineering</i> , 2014, 89, 1224-1230.	1.2	2
64	Functioning conditions of the Casale pumping station in Mantova, Italy. <i>Drinking Water Engineering and Science</i> , 2014, 7, 93-97.	0.8	2
65	Preface: CCWI 2013. <i>Drinking Water Engineering and Science</i> , 2014, 7, 99-100.	0.8	0
66	Single-Event Leak Detection in Pipeline Using First Three Resonant Responses. <i>Journal of Hydraulic Engineering</i> , 2013, 139, 645-655.	0.7	60
67	Effectiveness Assessment of Pipe Systems by Means of Transient Test-based Techniques. <i>Procedia Environmental Sciences</i> , 2013, 19, 814-822.	1.3	11
68	Experimental Investigation of Coupled Frequency and Time-Domain Transient Test-Based Techniques for Partial Blockage Detection in Pipelines. <i>Journal of Hydraulic Engineering</i> , 2013, 139, 1033-1040.	0.7	96
69	Diagnosis of Pipe Systems by means of a Stochastic Successive Linear Estimator. <i>Water Resources Management</i> , 2013, 27, 4637-4654.	1.9	13
70	Leak behaviour in pressurized PVC pipes. <i>Water Science and Technology: Water Supply</i> , 2013, 13, 987-992.	1.0	24
71	Experimental investigation of leak hydraulics. <i>Journal of Hydroinformatics</i> , 2013, 15, 666-675.	1.1	19
72	Diagnosis of pipe systems by the SLE: first results. <i>Water Science and Technology: Water Supply</i> , 2013, 13, 958-965.	1.0	4

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73	Numerical and experimental investigation of leaks in viscoelastic pressurized pipe flow. Drinking Water Engineering and Science, 2013, 6, 11-16.	0.8	25
74	Equivalent hydraulic resistance to simulate pipes subject to diffuse outflows. Journal of Hydroinformatics, 2012, 14, 65-74.	1.1	8
75	Is the leak head-discharge relationship in polyethylene pipes a bijective function?. Journal of Hydraulic Research/De Recherches Hydrauliques, 2012, 50, 409-417.	0.7	45
76	Water-hammer pressure waves interaction at cross-section changes in series in viscoelastic pipes. Journal of Fluids and Structures, 2012, 33, 44-58.	1.5	97
77	Experimental Investigation of the Effects of Pipe Material on the Leak Head-Discharge Relationship. Journal of Hydraulic Engineering, 2012, 138, 736-743.	0.7	66
78	Transient hydrodynamics of in-line valves in viscoelastic pressurized pipes: long-period analysis. Experiments in Fluids, 2012, 53, 265-275.	1.1	48
79	In-Line Pipe Device Checking by Short-Period Analysis of Transient Tests. Journal of Hydraulic Engineering, 2011, 137, 713-722.	0.7	72
80	Leakage and Pipe Materials. , 2011, , .		0
81	Transient tests for locating and sizing illegal branches in pipe systems. Journal of Hydroinformatics, 2011, 13, 334-345.	1.1	55
82	Experimental Evidence of Hysteresis in the Head-Discharge Relationship for a Leak in a Polyethylene Pipe. Journal of Hydraulic Engineering, 2011, 137, 775-780.	0.7	63
83	Small Amplitude Sharp Pressure Waves to Diagnose Pipe Systems. Water Resources Management, 2011, 25, 79-96.	1.9	89
84	Fast Transients As a Tool for Partial Blockage Detection in Pipes: First Experimental Results. , 2011, , .		3
85	Potential of Transient Tests to Diagnose Real Supply Pipe Systems: What Can Be Done with a Single Extemporary Test. Journal of Water Resources Planning and Management - ASCE, 2011, 137, 238-241.	1.3	51
86	A turbulent approach to unsteady friction. Journal of Hydraulic Research/De Recherches Hydrauliques, 2009, 47, 824-829.	0.7	0
87	Leak detection in branched pipe systems coupling wavelet analysis and a Lagrangian model. Journal of Water Supply: Research and Technology - AQUA, 2009, 58, 95-106.	0.6	84
88	Leak-edge detection. Journal of Hydraulic Research/De Recherches Hydrauliques, 2009, 47, 233-241.	0.7	50
89	In-Line Partially Closed Valves: How to Detect by Transient Tests. , 2009, , .		7
90	Discussion of "Detection of Partial Blockage in Single Pipelines" by P. K. Mohapatra, M. H. Chaudhry, A. A. Kassem, and J. Moloo. Journal of Hydraulic Engineering, 2008, 134, 872-874.	0.7	38

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91	Portable pressure wave-maker for leak detection and pipe system characterization. Journal - American Water Works Association, 2008, 100, 108-116.	0.2	71
92	Wavelets for the Analysis of Transient Pressure Signals for Leak Detection. Journal of Hydraulic Engineering, 2007, 133, 1274-1282.	0.7	109
93	Decay of Pressure and Energy Dissipation in Laminar Transient Flow. Journal of Fluids Engineering, Transactions of the ASME, 2004, 126, 928-934.	0.8	74
94	Detecting leaks in pressurised pipes by means of transients. Journal of Hydraulic Research/De Recherches Hydrauliques, 2004, 42, 105-109.	0.7	35
95	Pressure waves as a tool for leak detection in closed conduits. Urban Water Journal, 2004, 1, 145-155.	1.0	40
96	Pipe system diagnosis and leak detection by unsteady-state tests. 1. Harmonic analysis. Advances in Water Resources, 2003, 26, 95-105.	1.7	187
97	Pipe system diagnosis and leak detection by unsteady-state tests. 2. Wavelet analysis. Advances in Water Resources, 2003, 26, 107-116.	1.7	126
98	Discussion of "Simple Method for Confined-Aquifer Parameter Estimation" by Sushil K. Singh. Journal of Irrigation and Drainage Engineering - ASCE, 2003, 129, 219-220.	0.6	1
99	Numerical Simulations of One-Dimensional Infiltration into Layered Soils with the Richards Equation Using Different Estimates of the Interlayer Conductivity. Vadose Zone Journal, 2003, 2, 193-200.	1.3	3
100	Numerical Simulations of One-Dimensional Infiltration into Layered Soils with the Richards Equation Using Different Estimates of the Interlayer Conductivity. Vadose Zone Journal, 2003, 2, 193-200.	1.3	32
101	Numerical Simulations of One-Dimensional Infiltration into Layered Soils with the Richards Equation Using Different Estimates of the Interlayer Conductivity. Vadose Zone Journal, 2003, 2, 193.	1.3	11
102	Discussion of "Evaluation of Unsteady Flow Resistances by Quasi-2D or 1D Models" by Giuseppe Pezzinga. Journal of Hydraulic Engineering, 2002, 128, 646-647.	0.7	10
103	Closure to "Velocity Profiles and Unsteady Pipe Friction in Transient Flow," by Bruno Brunone, Bryan W. Karney, Michele Mecarelli, and Marco Ferrante July/August 2000, Vol. 126, No. 4, pp. 236-244. Journal of Water Resources Planning and Management - ASCE, 2002, 128, 86-86.	1.3	3
104	Uncertainty analysis of transient unsaturated flow in bounded domain. Water Resources Research, 2002, 38, 6-1-6-6.	1.7	10
105	Detecting leaks in pressurised pipes by means of transients. Journal of Hydraulic Research/De Recherches Hydrauliques, 2001, 39, 539-547.	0.7	146
106	OPTIMIZATION OF TRANSPORTATION NETWORKS DURING URBAN FLOODING. Journal of the American Water Resources Association, 2000, 36, 1115-1120.	1.0	5
107	Velocity Profiles and Unsteady Pipe Friction in Transient Flow. Journal of Water Resources Planning and Management - ASCE, 2000, 126, 236-244.	1.3	166
108	Velocity Profiles, Unsteady Friction Losses and Transient Modelling. , 1999, , 1.		8

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109	Head and flux variability in heterogeneous unsaturated soils under transient flow conditions. Water Resources Research, 1999, 35, 1471-1479.	1.7	29