Nicola La Porta

List of Publications by Year
in descending order

84	2,175	236925 25	265206 42
papers	citations	h-index	g-index

87	87	87	3173
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Forest pathogens with higher damage potential due to climate change in Europe. Canadian Journal of Plant Pathology, 2008, 30, 177-195.	1.4	181
2	Global effects of nonâ€native tree species on multiple ecosystem services. Biological Reviews, 2019, 94, 1477-1501.	10.4	158
3	What is Climate-Smart Forestry? A definition from a multinational collaborative process focused on mountain regions of Europe. Ecosystem Services, 2020, 43, 101113.	5.4	100
4	The geographical and environmental determinants of genetic diversity for four alpine conifers of the <scp>E</scp>uropean <scp>A</scp>lps. Molecular Ecology, 2012, 21, 5530-5545.	3.9	92
5	Global geographic distribution and host range of Dothistroma species: a comprehensive review. Forest Pathology, 2016, 46, 408-442.	1.1	84
6	Ecology, growth and management of black locust (Robinia pseudoacacia L.), a non-native species integrated into European forests. Journal of Forestry Research, 2020, 31, 1081-1101.	3.6	73
7	Carbon, hydrogen and oxygen stable isotope ratios of whole wood, cellulose and lignin methoxyl groups of Picea abies as climate proxies. Rapid Communications in Mass Spectrometry, 2013, 27, 265-275.	1.5	68
8	Dothistroma needle blight, weather and possible climatic triggers for the disease's recent emergence. Forest Pathology, 2016, 46, 443-452.	1.1	66
9	Is Cupressus sempervirens native in Italy? An answer from genetic and palaeobotanical data. Molecular Ecology, 2009, 18, 2276-2286.	3.9	65
10	Xylella fastidiosa: Host Range and Advance in Molecular Identification Techniques. Frontiers in Plant Science, 2017, 8, 944.	3.6	63
11	A worldwide perspective on the management and control of Dothistroma needle blight. Forest Pathology, 2016, 46, 472-488.	1.1	58
12	Monitoring intra-annual dynamics of wood formation with microcores and dendrometers inPicea abiesat two different altitudes. Tree Physiology, 2016, 36, 832-846.	3.1	52
13	Sulfur Fixation in Wood Mapped by Synchrotron X-ray Studies: Implications for Environmental Archives. Environmental Science & Technology, 2009, 43, 1310-1315.	10.0	51
14	Contrasting patterns of nucleotide diversity for four conifers of Alpine European forests. Evolutionary Applications, 2012, 5, 762-775.	3.1	49
15	Drivers of treeline shift in different European mountains. Climate Research, 2017, 73, 135-150.	1.1	46
16	A multi-temporal approach in MaxEnt modelling: A new frontier for land use/land cover change detection. Ecological Informatics, 2017, 40, 40-49.	5.2	44
17	In Vivo Antimicrobial and Wound-Healing Activity of Resveratrol, Dihydroquercetin, and Dihydromyricetin against Staphylococcus aureus, Pseudomonas aeruginosa, and Candida albicans. Pathogens, 2020, 9, 296.	2.8	41
18	Molecular Approaches for Low-Cost Point-of-Care Pathogen Detection in Agriculture and Forestry. Frontiers in Plant Science, 2020, 11, 570862.	3.6	38

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19	Dissection of early transcriptional responses to water stress in Arundo donax L. by unigene-based RNA-seq. Biotechnology for Biofuels, 2016, 9, 54.	6.2	32
20	Ecology and management of northern red oak (Quercus rubra L. syn. Q. borealis F. Michx.) in Europe: a review. Forestry, 2020, 93, 481-494.	2.3	30
21	Breeding against Dutch elm disease adapted to the Mediterranean climate. Euphytica, 2008, 163, 45-56.	1.2	29
22	Fungal root pathogen (Heterobasidion parviporum) increases drought stress in Norway spruce stand at low elevation in the Alps. European Journal of Forest Research, 2013, 132, 607-619.	2.5	28
23	Adaptive variation in natural Alpine populations of Norway spruce (Picea abies [L.] Karst) at regional scale: Landscape features and altitudinal gradient effects. Forest Ecology and Management, 2017, 405, 350-359.	3.2	28
24	Growth dynamics, climate sensitivity and water use efficiency in pure vs. mixed pine and beech stands in Trentino (Italy). Forest Ecology and Management, 2018, 409, 707-718.	3.2	27
25	Micro- and Macro-Geographic Scale Effect on the Molecular Imprint of Selection and Adaptation in Norway Spruce. PLoS ONE, 2014, 9, e115499.	2.5	27
26	Climate-related adaptive genetic variation and population structure in natural stands of Norway spruce in the South-Eastern Alps. Tree Genetics and Genomes, 2016, 12, 1.	1.6	25
27	ChloroMitoSSRDB: Open Source Repository of Perfect and Imperfect Repeats in Organelle Genomes for Evolutionary Genomics. DNA Research, 2013, 20, 127-133.	3.4	24
28	Abies sibirica in the Ural region is attacked by the S type of Heterobasidion annosum. Forest Pathology, 1997, 27, 273-281.	1.1	23
29	Spread of plant pathogens and insect vectors at the northern range margin of cypress in Italy. Acta Oecologica, 2008, 33, 307-313.	1.1	23
30	ChloroMitoSSRDB 2.00: more genomes, more repeats, unifying SSRs search patterns and on-the-fly repeat detection. Database: the Journal of Biological Databases and Curation, 2015, 2015, bav084.	3.0	23
31	Intersterility groups of Heterobasidion annosum and their host specificity in Bulgaria. Forest Pathology, 1998, 28, 1-9.	1.1	22
32	Early Identification of Root Rot Disease by Using Hyperspectral Reflectance: The Case of Pathosystem Grapevine/Armillaria. Remote Sensing, 2021, 13, 2436.	4.0	22
33	Leaf plasticity to light intensity in Italian cypress (Cupressus sempervirens L.): Adaptability of a Mediterranean conifer cultivated in the Alps. Journal of Photochemistry and Photobiology B: Biology, 2012, 117, 61-69.	3.8	21
34	The relatedness of the Italian F intersterility group of Heterobasidion annosum with the S group, as revealed by RAPD assay. Mycological Research, 1997, 101, 1065-1072.	2.5	20
35	Bioactive Compounds from Norway Spruce Bark: Comparison Among Sustainable Extraction Techniques for Potential Food Applications. Foods, 2019, 8, 524.	4.3	19
36	A review of black walnut (Juglans nigra L.) ecology and management in Europe. Trees - Structure and Function, 2020, 34, 1087-1112.	1.9	18

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37	Biological Flora of the British Isles: Ulmus glabra. Journal of Ecology, 2018, 106, 1724-1766.	4.0	17
38	Mycosphaerella dearnessii, a Needle-cast Pathogen on Mountain Pine (Pinus mugo) in Italy. Plant Disease, 2000, 84, 922-922.	1.4	17
39	Cold tolerance in cypress (Cupressus sempervirens L.): a physiological and molecular study. Tree Genetics and Genomes, 2011, 7, 79-90.	1.6	16
40	Mapping the patchy legislative landscape of non-native tree species in Europe. Forestry, 2020, 93, 567-586.	2.3	16
41	Draft Genome Sequence of the Nitrogen-Fixing Rhizobium sullae Type Strain IS123T Focusing on the Key Genes for Symbiosis with its Host Hedysarum coronarium L.. Frontiers in Microbiology, 2017, 8, 1348.	3.5	15
42	Relationship between pollen germinationin vitroand fluorochromatic reaction in cherry clone F12/1 (Prunus aviumL.) and some of its mutants. The Journal of Horticultural Science, 1991, 66, 171-175.	0.3	14
43	Cypress canker induced inhibition of photosynthesis in field grown cypress (Cupressus sempervirens) Tj ETQq1 1 0.784314 rgBT /Ove	2.5	14
44	Genotype-specific regulation of cold-responsive genes in cypress (Cupressus sempervirens L.). Gene, 2009, 437, 45-53.	2.2	14
45	Oxygen and Hydrogen Stable Isotope Ratios of Bulk Needles Reveal the Geographic Origin of Norway Spruce in the European Alps. PLoS ONE, 2015, 10, e0118941.	2.5	14
46	New Tools for the Classification and Filtering of Historical Maps. ISPRS International Journal of Geo-Information, 2019, 8, 455.	2.9	14
47	Social equity in governance of ecosystem services: synthesis from European treeline areas. Climate Research, 2017, 73, 31-44.	1.1	14
48	High Irradiance Induced Changes of Photosystem 2 in Young and Mature Needles of Cypress (Cupressus) Tj ETQq0 0 0 rgBT /Overlock 1	1.7	12
49	Photoinhibition of photosynthesis in needles of two cypress (Cupressus sempervirens) clones. Tree Physiology, 2005, 25, 1033-1039.	3.1	12
50	Tree rings and stable isotopes reveal the tree-history prior to insect defoliation on Norway spruce (Picea abies (L.) Karst.). Forest Ecology and Management, 2014, 319, 99-106.	3.2	12
51	Respiration rate determinations suggest <scp>H</scp>eterobasidion parviporum subpopulations have potential to adapt to global warming. Forest Pathology, 2015, 45, 515-524.	1.1	12
52	Suppression Substractive Hybridization and NGS Reveal Differential Transcriptome Expression Profiles in Wayfaring Tree (Viburnum lantana L.) Treated with Ozone. Frontiers in Plant Science, 2016, 7, 713.	3.6	12
53	Leaf Wetness Evaluation Using Artificial Neural Network for Improving Apple Scab Fight. Environments - MDPI, 2017, 4, 42.	3.3	12
54	The frost hardiness of some clones of olive cv. Leccino. The Journal of Horticultural Science, 1994, 69, 433-435.	0.3	11

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55	Geographical cline of DNA variation within the F intersterility group of Heterobasidion annosum in Italy. Plant Pathology, 1997, 46, 773-784.	2.4	10
56	Biotic threats for 23 major non-native tree species in Europe. Scientific Data, 2021, 8, 210.	5.3	10
57	Defining Climate-Smart Forestry. Managing Forest Ecosystems, 2022, , 35-58.	0.9	10
58	Photoinhibition and Recovery of Photosynthesis in Canker-susceptible and Resistant Needles of Cypress (Cupressus sempervirens L.). Journal of Phytopathology, 2005, 153, 337-343.	1.0	8
59	Photosynthetic changes that occur during aging of cypress (Cupressus sempervirens L.) needles. Photosynthetica, 2006, 44, 555-560.	1.7	8
60	Testing of microsatellite primers with different populations of Eurasian spruces Picea abies (L.) Karst. and Picea obovata Ledeb.. Russian Journal of Genetics, 2012, 48, 562-566.	0.6	7
61	Mapping Historical Data: Recovering a Forgotten Floristic and Vegetation Database for Biodiversity Monitoring. ISPRS International Journal of Geo-Information, 2016, 5, 100.	2.9	7
62	Relevance of the Cell Neighborhood Size in Landscape Metrics Evaluation and Free or Open Source Software Implementations. ISPRS International Journal of Geo-Information, 2019, 8, 586.	2.9	7
63	Metabolic Remodeling during Long-Lasting Cultivation of the Endomyces magnusii Yeast on Oxidative and Fermentative Substrates. Microorganisms, 2020, 8, 91.	3.6	7
64	Soil properties as indicators of treeline dynamics in relation to anthropogenic pressure and climate change. Climate Research, 2017, 73, 73-84.	1.1	7
65	Characterization of Silver fir Wood Decay Classes Using Sugar Metabolites Detected with Ion Chromatography. Journal of Wood Chemistry and Technology, 2019, 39, 90-110.	1.7	6
66	FINE SPATIAL SCALE MODELLING OF TRENTINO PAST FOREST LANDSCAPE (TRENTINOLAND): A CASE STUDY OF FOSS APPLICATION. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-4/W14, 71-78.	0.2	6
67	Rhizoctonia solani AG 2-1 as a causative agent of cotyledon rot on European beech (Fagus sylvatica). Forest Pathology, 2005, 35, 397-410.	1.1	5
68	Identification of Low Temperature Stress Regulated Transcript Sequences and Gene Families in Italian Cypress. Molecular Biotechnology, 2015, 57, 407-418.	2.4	5
69	PlantFuncSSR: Integrating First and Next Generation Transcriptomics for Mining of SSR-Functional Domains Markers. Frontiers in Plant Science, 2016, 7, 878.	3.6	5
70	Pangenomics of the Symbiotic Rhizobiales. Core and Accessory Functions Across a Group Endowed with High Levels of Genomic Plasticity. Microorganisms, 2021, 9, 407.	3.6	5
71	Allocation of five macroelements and quality of fuels derived from Norway spruce wood obtained by thinning operations. Biomass and Bioenergy, 2014, 70, 553-556.	5.7	4
72	Biological Flora of the British Isles: Crataegus laevigata. Journal of Ecology, 2021, 109, 572-596.	4.0	4

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73	A study of antimicrobial activity of polyphenols derived from wood. Bulletin of Russian State Medical University, 2018, , 46-49.	0.2	4
74	A transnationalÂcooperation for sustainable use and management of non-native trees in urban, peri-urban and forest ecosystems in the Alpine region (ALPTREES)Â. Research Ideas and Outcomes, 0, 6, .	1.0	4
75	OBJECT-BASED IMAGE ANALYSIS FOR HISTORIC MAPS CLASSIFICATION. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-4/W14, 247-254.	0.2	4
76	ORTHORECTIFICATION OF A LARGE DATASET OF HISTORICAL AERIAL IMAGES: PROCEDURE AND PRECISION ASSESSMENT IN AN OPEN SOURCE ENVIRONMENT. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-4/W8, 53-59.	0.2	4
77	Rapid identification of Armillaria species by PCRâ€“DGGE. Journal of Microbiological Methods, 2014, 107, 63-65.	1.6	3
78	White rot fungal impact on the evolution of simple phenols during decay of silver fir wood by UHPLCâ€HQOMS. Phytochemical Analysis, 2022, 33, 170-183.	2.4	3
79	Eight years of integrated monitoring in Alpine forest ecosystems of Trentino and South Tyrol, Italy. Journal of Limnology, 2002, 61, 137.	1.1	2
80	Treeâ€ring isotope analysis of Norway spruce suffering from longâ€term infection by the pathogenic whiteâ€rot fungus <scp>H</scp>eterobasidion parviporum. Forest Pathology, 2014, 44, 160-162.	1.1	2
81	ChloroMitoCU: Codon patterns across organelle genomes for functional genomics and evolutionary applications. DNA Research, 2017, 24, 327-332.	3.4	2
82	Leaf development index estimation using UAV imagery for fighting apple scab. , 2017, , .		2
83	Incidenza di Heterobasidion annosum s.l. in fustaie di abete rosso in ambiente alpino. , 2009, , .		0
84	Climate signals derived from day-to-day analysis: climate sensitivity of Picea abies in Trentino. , 2015, , .		0