

Francesco Sunseri

List of Publications by Year in descending order

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77
papers

1,993
citations

236925

25
h-index

289244

40
g-index

80
all docs

80
docs citations

80
times ranked

2612
citing authors

#	ARTICLE	IF	CITATIONS
1	The asparagus genome sheds light on the origin and evolution of a young Y chromosome. <i>Nature Communications</i> , 2017, 8, 1279.	12.8	240
2	Soil inoculation with symbiotic microorganisms promotes plant growth and nutrient transporter genes expression in durum wheat. <i>Frontiers in Plant Science</i> , 2015, 6, 815.	3.6	118
3	Nitrate uptake along the maize primary root: an integrated physiological and molecular approach. <i>Plant, Cell and Environment</i> , 2011, 34, 1127-1140.	5.7	73
4	Sex-biased gene expression in dioecious garden asparagus (<i>Asparagus officinalis</i>). <i>New Phytologist</i> , 2015, 207, 883-892.	7.3	72
5	Production of transgenic eggplant (<i>Solanum melongena</i> L.) resistant to Colorado Potato Beetle (<i>Leptinotarsa decemlineata</i> Say). <i>Theoretical and Applied Genetics</i> , 1997, 95, 329-334.	3.6	71
6	Phenotyping two tomato genotypes with different nitrogen use efficiency. <i>Plant Physiology and Biochemistry</i> , 2016, 107, 21-32.	5.8	67
7	High frequency of plant regeneration in sunflower from cotyledons via somatic embryogenesis. <i>Plant Cell Reports</i> , 1997, 16, 295-298.	5.6	55
8	SNP genotyping elucidates the genetic diversity of Magna Graecia grapevine germplasm and its historical origin and dissemination. <i>BMC Plant Biology</i> , 2019, 19, 7.	3.6	51
9	Boron Toxicity and Tolerance in Plants. , 2016, , 115-147.		44
10	Microsatellite analyses for evaluation of genetic diversity among Sicilian grapevine cultivars. <i>Genetic Resources and Crop Evolution</i> , 2010, 57, 703-719.	1.6	43
11	Coumarin interacts with auxin polar transport to modify root system architecture in <i>Arabidopsis thaliana</i> . <i>Plant Growth Regulation</i> , 2014, 74, 23-31.	3.4	41
12	Root Phenotyping For Drought Tolerance in Bean Landraces From Calabria (Italy). <i>Journal of Agronomy and Crop Science</i> , 2016, 202, 1-12.	3.5	41
13	Allelopathic Potential of <i>Dittrichia viscosa</i> (L.) W. Greuter Mediated by VOCs: A Physiological and Metabolomic Approach. <i>PLoS ONE</i> , 2017, 12, e0170161.	2.5	40
14	Rosmarinic acid induces programmed cell death in <i>Arabidopsis</i> seedlings through reactive oxygen species and mitochondrial dysfunction. <i>PLoS ONE</i> , 2018, 13, e0208802.	2.5	38
15	NAR2.1/NRT2.1 functional interaction with NO ₃ ⁻ and H ⁺ fluxes in high-affinity nitrate transport in maize root regions. <i>Plant Physiology and Biochemistry</i> , 2016, 102, 107-114.	5.8	37
16	The allelochemical farnesene affects <i>Arabidopsis thaliana</i> root meristem altering auxin distribution. <i>Plant Physiology and Biochemistry</i> , 2017, 121, 14-20.	5.8	37
17	Phytotoxic Potential and Biological Activity of Three Synthetic Coumarin Derivatives as New Natural-Like Herbicides. <i>Molecules</i> , 2015, 20, 17883-17902.	3.8	35
18	High-throughput 18K SNP array to assess genetic variability of the main grapevine cultivars from Sicily. <i>Tree Genetics and Genomes</i> , 2016, 12, 1.	1.6	35

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19	Genetic variation of an Italian long shelf-life tomato (<i>Solanum lycopersicon</i> L.) collection by using SSR and morphological fruit traits. <i>Genetic Resources and Crop Evolution</i> , 2015, 62, 721-732.	1.6	34
20	High-Throughput Genotype, Morphology, and Quality Traits Evaluation for the Assessment of Genetic Diversity of Wheat Landraces from Sicily. <i>Plants</i> , 2019, 8, 116.	3.5	32
21	Single nucleotide polymorphism isolated from a novel EST dataset in garden asparagus (<i>Asparagus</i>) Tj ETQq1 1 0.784314 rgBT /Overlaid	3.6	31
22	<i>Origanum vulgare</i> essential oils inhibit glutamate and aspartate metabolism altering the photorespiratory pathway in <i>Arabidopsis thaliana</i> seedlings. <i>Journal of Plant Physiology</i> , 2018, 231, 297-309.	3.5	31
23	Intra-varietal genetic diversity of the grapevine (<i>Vitis vinifera</i> L.) cultivar "Nero d'Avola" as revealed by microsatellite markers. <i>Genetic Resources and Crop Evolution</i> , 2011, 58, 967-975.	1.6	30
24	Salinity in Autumn-Winter Season and Fruit Quality of Tomato Landraces. <i>Frontiers in Plant Science</i> , 2019, 10, 1078.	3.6	29
25	Analysis of genetic diversity and population structure in Saharan maize (<i>Zea mays</i> L.) populations using phenotypic traits and SSR markers. <i>Genetic Resources and Crop Evolution</i> , 2019, 66, 243-257.	1.6	29
26	Genetic characterization of asparagus doubled haploids collection and wild relatives. <i>Scientia Horticulturae</i> , 2011, 130, 691-700.	3.6	28
27	Genetic variation and structure of maize populations from Saoura and Gourara oasis in Algerian Sahara. <i>BMC Genetics</i> , 2018, 19, 51.	2.7	28
28	Genetic variation in eggplant for Nitrogen Use Efficiency under contrasting NO ₃ ⁻ supply. <i>Journal of Integrative Plant Biology</i> , 2020, 62, 487-508.	8.5	28
29	Transgenic Resistance to the Colorado Potato Beetle in Bt-expressing Eggplant Fields. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2000, 35, 722-725.	1.0	28
30	Genetic diversity and population structure of a common bean (<i>Phaseolus vulgaris</i> L.) collection from Calabria (Italy). <i>Genetic Resources and Crop Evolution</i> , 2013, 60, 839-852.	1.6	27
31	Morphological and physiological effects of trans-cinnamic acid and its hydroxylated derivatives on maize root types. <i>Plant Growth Regulation</i> , 2016, 78, 263-273.	3.4	27
32	The allelochemical trans-cinnamic acid stimulates salicylic acid production and galactose pathway in maize leaves: A potential mechanism of stress tolerance. <i>Plant Physiology and Biochemistry</i> , 2018, 128, 32-40.	5.8	26
33	Rhizosphere as Hotspot for Plant-Soil-Microbe Interaction. , 2020, , 17-43.		26
34	Physiological and molecular responses in tomato under different forms of N nutrition. <i>Journal of Plant Physiology</i> , 2017, 216, 17-25.	3.5	23
35	A New Intra-Specific and High-Resolution Genetic Map of Eggplant Based on a RIL Population, and Location of QTLs Related to Plant Anthocyanin Pigmentation and Seed Vigour. <i>Genes</i> , 2020, 11, 745.	2.4	23
36	Retrotransposon Proliferation Coincident with the Evolution of Dioecy in <i>Asparagus</i> . <i>G3: Genes, Genomes, Genetics</i> , 2016, 6, 2679-2685.	1.8	22

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37	Highlighting the effects of coumarin on adult plants of <i>Arabidopsis thaliana</i> (L.) Heynh. by an integrated -omic approach. <i>Journal of Plant Physiology</i> , 2017, 213, 30-41.	3.5	22
38	DEVELOPMENT OF RAPD-AFLP MAP OF EGGPLANT AND IMPROVEMENT OF TOLERANCE TO VERTICILLIUM WILT. <i>Acta Horticulturae</i> , 2003, , 107-115.	0.2	20
39	Morpho-agronomic and AFLP characterization to explore guar (<i>Cyamopsis tetragonoloba</i> L.) genotypes for the Mediterranean environment. <i>Industrial Crops and Products</i> , 2016, 86, 23-30.	5.2	20
40	Phytotoxic activity and phytochemical characterization of <i>Lotus ornithopodioides</i> L., a spontaneous species of Mediterranean area. <i>Phytochemistry Letters</i> , 2014, 8, 179-183.	1.2	19
41	Single nucleotide polymorphism profiles reveal an admixture genetic structure of grapevine germplasm from Calabria, Italy, uncovering its key role for the diversification of cultivars in the Mediterranean Basin. <i>Australian Journal of Grape and Wine Research</i> , 2018, 24, 345-359.	2.1	19
42	Coumarin enhances nitrate uptake in maize roots through modulation of plasma membrane H ⁺ -ATPase activity. <i>Plant Biology</i> , 2018, 20, 390-398.	3.8	19
43	Nitrogen Use Efficiency in Durum Wheat Under Different Nitrogen and Water Regimes in the Mediterranean Basin. <i>Frontiers in Plant Science</i> , 2020, 11, 607226.	3.6	18
44	Genetic diversity in a collection of Italian long storage tomato landraces as revealed by SNP markers array. <i>Plant Biosystems</i> , 2019, 153, 288-297.	1.6	17
45	Transcriptomics reveal new insights into molecular regulation of nitrogen use efficiency in <i>Solanum melongena</i> . <i>Journal of Experimental Botany</i> , 2021, 72, 4237-4253.	4.8	17
46	SOMATIC EMBRYOGENESIS, PLANT REGENERATION AND GENETIC TRANSFORMATION IN <i>FRAGARIA</i> spp.. <i>Acta Horticulturae</i> , 2001, , 235-240.	0.2	14
47	Agronomic Evaluation and Genetic Characterization of Different Accessions in Lentil (<i>Lens culinaris</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 1.0 14	1.0	14
48	Characterization of Sicilian rosemary (<i>Rosmarinus officinalis</i> L.) germplasm through a multidisciplinary approach. <i>Planta</i> , 2020, 251, 37.	3.2	14
49	Single nucleotide polymorphism-based parentage analysis and population structure in garden asparagus, a worldwide genetic stock classification. <i>Molecular Breeding</i> , 2015, 35, 1.	2.1	12
50	Benzofuran-2-acetic esters as a new class of natural-like herbicides. <i>Pest Management Science</i> , 2020, 76, 395-404.	3.4	12
51	3-(Methoxycarbonylmethylene)isobenzofuran-1-imines as a New Class of Potential Herbicides. <i>Molecules</i> , 2014, 19, 8261-8275.	3.8	11
52	Genetic diversity and population structure of an Italian landrace of runner bean (<i>Phaseolus</i>) Tj ETQq0 0 0 rgBT /Overlock 1.1 10 Tf 50 142 T	1.1	11
53	Long- and short-term effects of boron excess to root form and function in two tomato genotypes. <i>Plant Physiology and Biochemistry</i> , 2016, 109, 9-19.	5.8	10
54	Morpho-agronomic characterization and genetic variability assessment of a guar germplasm collection by a novel SSR panel. <i>Industrial Crops and Products</i> , 2019, 138, 111568.	5.2	10

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55	Genetic diversity in old populations of sessile oak from Calabria assessed by nuclear and chloroplast SSR. <i>Journal of Mountain Science</i> , 2019, 16, 1111-1120.	2.0	9
56	Integrated Bayesian Approaches Shed Light on the Dissemination Routes of the Eurasian Grapevine Germplasm. <i>Frontiers in Plant Science</i> , 2021, 12, 692661.	3.6	9
57	Mixed deployment of Bt-expressing eggplant hybrids as a reliable method to manage resistance to Colorado potato beetle. <i>Scientia Horticulturae</i> , 2005, 104, 127-135.	3.6	7
58	Gravitropic response induced by coumarin: Evidences of ROS distribution involvement. <i>Plant Signaling and Behavior</i> , 2013, 8, e23156.	2.4	7
59	New insights into N-utilization efficiency in tomato (<i>Solanum lycopersicum</i> L.) under N limiting condition. <i>Plant Physiology and Biochemistry</i> , 2021, 166, 634-644.	5.8	7
60	Genetic Diversity Assessment and Marker-Assisted Selection in Crops. <i>Genes</i> , 2020, 11, 1481.	2.4	6
61	Uncovering Pathways Highly Correlated to NUE through a Combined Metabolomics and Transcriptomics Approach in Eggplant. <i>Plants</i> , 2022, 11, 700.	3.5	6
62	WRKY Gene Family Drives Dormancy Release in Onion Bulbs. <i>Cells</i> , 2022, 11, 1100.	4.1	6
63	Efficient plant regeneration via somatic embryogenesis in bulbing fennel using immature flower explants. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2012, 48, 440-445.	2.1	4
64	Preserving Biodiversity in Marginal Rural Areas: Assessment of Morphological and Genetic Variability of a Sicilian Common Bean Germplasm Collection. <i>Plants</i> , 2020, 9, 989.	3.5	3
65	High frequency of plant regeneration in sunflower from cotyledons via somatic embryogenesis. <i>Plant Cell Reports</i> , 1997, 16, 295-298.	5.6	3
66	A Complex Gene Network Mediated by Ethylene Signal Transduction TFs Defines the Flower Induction and Differentiation in <i>Olea europaea</i> L.. <i>Genes</i> , 2021, 12, 545.	2.4	2
67	Molecular tools for assessing genetic diversity in <i>Saccharomyces cerevisiae</i> and in the grapevine cultivar aglianico del vulture typical of South Italy. <i>Journal of Wine Research</i> , 2004, 15, 179-188.	1.5	1
68	EST LIBRARIES DEVELOPMENT IN ASPARAGUS OFFICINALIS FOR SNPS DISCOVERY. <i>Acta Horticulturae</i> , 2012, , 127-132.	0.2	1
69	Chemical Characterization of Volatile Organic Compounds (VOCs) Through Headspace Solid Phase Micro Extraction (SPME). , 2018, , 401-417.		1
70	PHYLOGENETIC STUDIES ON FRAGARIA SPP. BY USING RANDOM AMPLIFIED HYBRIDIZED FRAGMENT POLYMORPHISM (RAHFPS). <i>Acta Horticulturae</i> , 2002, , 65-68.	0.2	1
71	Characterization of the 8 KBP Region of the mtDNAs of Several Cytoplasm Male-Sterile Sunflower Lines Coding for atpA and orf522 Genes. <i>Biotechnology and Biotechnological Equipment</i> , 1993, 7, 32-39.	1.3	0
72	MOLECULAR CHARACTERIZATION OF RIPENING FRUIT PROCESSES IN STRAWBERRY STARTING FROM A TRANSCRIBED GENOMIC DNA FRACTION. <i>Acta Horticulturae</i> , 2003, , 117-123.	0.2	0

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73	Moscato Cerletti, a rediscovered aromatic cultivar with oenological potential in warm and dry areas. <i>Oeno One</i> , 2021, 55, 123-140.	1.4	0
74	Microbial Biopesticides Developed as Inducible Plant Defensive Systems Transgenically. , 2001, , .		0
75	Transgenic Parthenocarpic and Insect-Resistant Eggplant. , 2002, , .		0
76	TOWARDS THE IDENTIFICATION OF CANDIDATE GENES INVOLVED IN THE SIT TOMATO (LYCOPERSICON) Tj ETQq0 0 0 rgBT /Overlock 1 , 95-103.	0.2	0
77	AFLP GENETIC CHARACTERIZATION IN ASPARAGUS OFFICINALIS DOUBLED HAPLOID (DH) CLONES COLLECTION. <i>Acta Horticulturae</i> , 2012, , 173-179.	0.2	0