Fabio Bartolini

List of Publications by Year in descending order

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117453 123241 4,633 136 34 61 citations h-index g-index papers 138 138 138 4777 docs citations times ranked citing authors all docs

#	Article	IF	CITATIONS
1	Salicylic Acid Biosynthesis in Plants. Frontiers in Plant Science, 2020, 11, 338.	1.7	285
2	How nematodes manipulate plant development pathways for infection. Current Opinion in Plant Biology, 2011, 14, 415-421.	3.5	260
3	The genome of cultivated sweet potato contains <i>Agrobacterium</i> T-DNAs with expressed genes: An example of a naturally transgenic food crop. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 5844-5849.	3.3	236
4	Transcriptional reprogramming by root knot and migratory nematode infection in rice. New Phytologist, 2012, 196, 887-900.	3.5	157
5	The impact of water and agriculture policy scenarios on irrigated farming systems in Italy: An analysis based on farm level multi-attribute linear programming models. Agricultural Systems, 2007, 93, 90-114.	3.2	134
6	Digital transformation of agriculture and rural areas: A socio-cyber-physical system framework to support responsibilisation. Journal of Rural Studies, 2021, 85, 79-90.	2.1	131
7	Induction of cdc2a and cyc1At expression in Arabidopsis thaliana during early phases of nematode-induced feeding cell formation. Plant Journal, 1996, 10, 1037-1043.	2.8	125
8	Abscisic acid interacts antagonistically with classical defense pathways in rice–migratory nematode interaction. New Phytologist, 2012, 196, 901-913.	3.5	120
9	RNAi from plants to nematodes. Trends in Biotechnology, 2007, 25, 89-92.	4.9	118
10	Nitrogen pollution policy beyond the farm. Nature Food, 2020, 1, 27-32.	6.2	111
11	Typology and distribution of small farms in Europe: Towards a better picture. Land Use Policy, 2018, 75, 784-798.	2.5	110
12	Phytoparasitic Nematode Control of Plant Hormone Pathways. Plant Physiology, 2019, 179, 1212-1226.	2.3	94
13	Biochar-amended potting medium reduces the susceptibility of rice to root-knot nematode infections. BMC Plant Biology, 2015, 15, 267.	1.6	92
13	Biochar-amended potting medium reduces the susceptibility of rice to root-knot nematode infections. BMC Plant Biology, 2015, 15, 267. An abscisic-acid- and salt-stress-responsive rice cDNA from a novel plant gene family. Planta, 1997, 202, 443-454.	1.6	92
	BMC Plant Biology, 2015, 15, 267. An abscisic-acid- and salt-stress-responsive rice cDNA from a novel plant gene family. Planta, 1997, 202,		
14	BMC Plant Biology, 2015, 15, 267. An abscisic-acid- and salt-stress-responsive rice cDNA from a novel plant gene family. Planta, 1997, 202, 443-454. The common agricultural policy and the determinants of changes in EU farm size. Land Use Policy,	1.6	90
14 15	An abscisic-acid- and salt-stress-responsive rice cDNA from a novel plant gene family. Planta, 1997, 202, 443-454. The common agricultural policy and the determinants of changes in EU farm size. Land Use Policy, 2013, 31, 126-135. RNAi-based gene silencing through dsRNA injection or ingestion against the African sweet potato	1.6 2.5	90

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19	Redirection of auxin flow inArabidopsis thalianaroots after infection by root-knot nematodes. Journal of Experimental Botany, 2016, 67, 4559-4570.	2.4	69
20	Sustainability assessment of food supply chains: an application to local and global bread in Italy. Agricultural and Food Economics, $2015, 3, \ldots$	1.3	64
21	A genome-wide association study of a global rice panel reveals resistance inOryza sativato root-knot nematodes. Journal of Experimental Botany, 2016, 67, 1191-1200.	2.4	63
22	Nuclease activity decreases the RNAi response in the sweetpotato weevil Cylas puncticollis. Insect Biochemistry and Molecular Biology, 2019, 110, 80-89.	1.2	60
23	How can policy processes remove barriers to sustainable food systems in Europe? Contributing to a policy framework for agri-food transitions. Food Policy, 2020, 96, 101871.	2.8	57
24	<i>Ex post</i> environmental evaluation of agri-environment schemes using experts' judgements and multicriteria analysis. Journal of Environmental Planning and Management, 2009, 52, 717-737.	2.4	54
25	Thiamineâ€induced priming against rootâ€knot nematode infection in rice involves lignification and hydrogen peroxide generation. Molecular Plant Pathology, 2016, 17, 614-624.	2.0	54
26	Transcriptomic and histological responses of African rice (Oryza glaberrima) to Meloidogyne graminicola provide new insights into root-knot nematode resistance in monocots. Annals of Botany, 2017, 119, 885-899.	1.4	54
27	The $\langle i \rangle$ Meloidogyne graminicola $\langle i \rangle$ effector Mg16820 is secreted in the apoplast and cytoplasm to suppress plant host defense responses. Molecular Plant Pathology, 2018, 19, 2416-2430.	2.0	52
28	Strigolactones enhance rootâ€knot nematode (<i>Meloidogyne graminicola</i>) infection in rice by antagonizing the jasmonate pathway. New Phytologist, 2019, 224, 454-465.	3.5	47
29	Only a small subset of the SPRY domain gene family in Globodera pallida is likely to encode effectors, two of which suppress host defences induced by the potato resistance gene Gpa2. Nematology, 2015, 17, 409-424.	0.2	46
30	Groundwater balance and conservation under different water pricing and agricultural policy scenarios: A case study of the Hamadan-Bahar plain. Ecological Economics, 2011, 70, 863-872.	2.9	45
31	Systemic defense activation by COS-OGA in rice against root-knot nematodes depends on stimulation of the phenylpropanoid pathway. Plant Physiology and Biochemistry, 2019, 142, 202-210.	2.8	45
32	Horizontal Gene Transfer Contributes to Plant Evolution: The Case of Agrobacterium T-DNAs. Frontiers in Plant Science, 2017, 8, 2015.	1.7	44
33	Rootâ€knot nematodes induce gall formation by recruiting developmental pathways of postâ€embryonic organogenesis and regeneration to promote transient pluripotency. New Phytologist, 2020, 227, 200-215.	3.5	41
34	Agricultural cooperatives contributing to the alleviation of rural poverty. The case of Konjic (Bosnia) Tj ETQq0 0	0 rgBT /O\	verlock 10 Tf 5
35	Transcriptome Analysis and Systemic RNAi Response in the African Sweetpotato Weevil (Cylas) Tj ETQq1 1 0.78	84314 rgB7	Γ/Oyerlock 10
36	RNA interference: a promising biopesticide strategy against the African Sweetpotato Weevil Cylas brunneus. Scientific Reports, 2016, 6, 38836.	1.6	40

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37	Adaptation strategies of small-scale fisheries within changing market and regulatory conditions in the EU. Marine Policy, 2019, 100, 316-323.	1.5	36
38	The Distribution of Lectins across the Phylum Nematoda: A Genome-Wide Search. International Journal of Molecular Sciences, 2017, 18, 91.	1.8	34
39	The role of thionins in rice defence against root pathogens. Molecular Plant Pathology, 2015, 16, 870-881.	2.0	33
40	The Globodera pallida SPRYSEC Effector GpSPRY-414-2 That Suppresses Plant Defenses Targets a Regulatory Component of the Dynamic Microtubule Network. Frontiers in Plant Science, 2018, 9, 1019.	1.7	31
41	A <i>Meloidogyne graminicola</i> Câ€type lectin, Mg01965, is secreted into the host apoplast to suppress plant defence and promote parasitism. Molecular Plant Pathology, 2019, 20, 346-355.	2.0	31
42	The role of policy priorities and targeting in the spatial location of participation in Agri-Environmental Schemes in Emilia-Romagna (Italy). Land Use Policy, 2015, 47, 78-89.	2.5	30
43	Modelling the Linkages between Crossâ€Compliance and Agriâ€Environmental Schemes Under Asymmetric Information. Journal of Agricultural Economics, 2012, 63, 310-330.	1.6	29
44	An analysis of policy scenario effects on the adoption of energy production on the farm: A case study in Emilia–Romagna (Italy). Energy Policy, 2012, 51, 454-464.	4.2	29
45	Knowledge networks and their role in shaping the relations within the Agricultural Knowledge and Innovation System in the agroenergy sector. The case of biogas in Tuscany (Italy). Journal of Rural Studies, 2017, 56, 100-113.	2.1	29
46	Designing contracts for irrigation water under asymmetric information: Are simple pricing mechanisms enough?. Agricultural Water Management, 2010, 97, 1326-1332.	2.4	28
47	Below-Ground Attack by the Root Knot Nematode <i>Meloidogyne graminicola</i> Predisposes Rice to Blast Disease. Molecular Plant-Microbe Interactions, 2017, 30, 255-266.	1.4	28
48	Trace analysis of multi-class phytohormones in Oryza sativa using different scan modes in high-resolution Orbitrap mass spectrometry: method validation, concentration levels, and screening in multiple accessions. Analytical and Bioanalytical Chemistry, 2018, 410, 4527-4539.	1.9	28
49	A Reflection of the Use of the Life Cycle Assessment Tool for Agri-Food Sustainability. Sustainability, 2019, 11, 71.	1.6	28
50	Pathogens pulling the strings: Effectors manipulating salicylic acid and phenylpropanoid biosynthesis in plants. Molecular Plant Pathology, 2021, 22, 1436-1448.	2.0	28
51	International migration, remittance and food security during food crises: the case study of Nigeria. Food Security, 2020, 12, 207-220.	2.4	26
52	Ascorbate oxidation activates systemic defence against root-knot nematode Meloidogyne graminicola in rice. Journal of Experimental Botany, 2020, 71, 4271-4284.	2.4	26
53	Biogas and EU's 2020 targets: Evidence from a regional case study in Italy. Energy Policy, 2017, 109, 510-519.	4.2	26
54	Do differential payments for agri-environment schemes affect the environmental benefits? A case study in the North-Eastern Italy. Land Use Policy, 2021, 107, 104862.	2.5	25

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55	Implementing the Water Framework Directive: Contract Design and the Cost of Measures to Reduce Nitrogen Pollution from Agriculture. Environmental Management, 2007, 40, 567-577.	1.2	24
56	Structural factors of labour allocation for farm diversification activities. Land Use Policy, 2018, 71, 204-212.	2.5	24
57	Analysis of fungal endophytes associated with rice roots from irrigated and upland ecosystems in Kenya. Plant and Soil, 2016, 405, 371-380.	1.8	23
58	QTL-seq reveals a major root-knot nematode resistance locus on chromosome 11 in rice (Oryza sativa) Tj ETQq(0 0 0 rgBT	/Overlock 10
59	Spatial analysis of the participation in agri-environment measures for organic farming. Renewable Agriculture and Food Systems, 2016, 31, 375-386.	0.8	22
60	Mechanisms of resistance in the rice cultivar Manikpukha to the rice stem nematode <i>Ditylenchus angustus</i> . Molecular Plant Pathology, 2018, 19, 1391-1402.	2.0	22
61	Demand-Side Food Policies for Public and Planetary Health. Sustainability, 2020, 12, 5924.	1.6	22
62	The Status under EU Law of Organisms Developed through Novel Genomic Techniques. European Journal of Risk Regulation, 2023, 14, 93-112.	0.8	22
63	Implications of a food system approach for policy agenda-setting design. Global Food Security, 2021, 28, 100451.	4.0	22
64	On farm non-agricultural activities: geographical determinants of diversification and intensification strategy. Letters in Spatial and Resource Sciences, 2017, 10, 17-29.	1.2	21
65	Standardized genetic diversityâ€life history correlates for improved genetic resource management of Neotropical trees. Diversity and Distributions, 2018, 24, 730-741.	1.9	21
66	Improving Policy Evidence Base for Agricultural Sustainability and Food Security: A Content Analysis of Life Cycle Assessment Research. Sustainability, 2020, 12, 1033.	1.6	21
67	Explaining regional dynamics of marketing strategies: The experience of the Tuscan wine producers. Journal of Rural Studies, 2019, 72, 136-152.	2.1	20
68	Design of a modular Autonomous Underwater Vehicle for archaeological investigations. , 2015, , .		19
69	Early development of the root-knot nematode Meloidogyne incognita. BMC Developmental Biology, 2016, 16, 10.	2.1	19
70	Combining linear programming and principal–agent models: An example from environmental regulation in agriculture. Environmental Modelling and Software, 2009, 24, 703-710.	1.9	18
71	The horizontal gene transfer of Agrobacterium T-DNAs into the series Batatas (Genus Ipomoea) genome is not confined to hexaploid sweetpotato. Scientific Reports, 2019, 9, 12584.	1.6	18
72	Water management and irrigated agriculture in Italy: multicriteria analysis of alternative policy scenarios. Water Policy, 2010, 12, 135-147.	0.7	17

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73	Design and optimization of a semi-active suspension system for railway applications. Journal of Modern Transportation, 2011, 19, 223-232.	2.5	17
74	Analysis of ITS of the rDNA to infer phylogenetic relationships among Vietnamese Citrus accessions. Genetic Resources and Crop Evolution, 2010, 57, 183-192.	0.8	16
75	Handling Diversity of Visions and Priorities in Food Chain Sustainability Assessment. Sustainability, 2016, 8, 305.	1.6	16
76	Shaping food systems towards improved nutrition: a case study on Tuscan Bread Protected Designation of Origin. International Food and Agribusiness Management Review, 2017, 20, 533-552.	0.8	16
77	Why Organic Farming Should Embrace Co-Existence with Cisgenic Late Blight–Resistant Potato. Sustainability, 2017, 9, 172.	1.6	16
78	Farmers' knowledge and opinions towards bollgard II® implementation in cotton production in western Burkina Faso. New Biotechnology, 2018, 42, 33-41.	2.4	15
79	Farmers' Willingness to Adopt Late Blight-Resistant Genetically Modified Potatoes. Agronomy, 2019, 9, 280.	1.3	15
80	Jasmonate-Induced Defense Mechanisms in the Belowground Antagonistic Interaction Between Pythium arrhenomanes and Meloidogyne graminicola in Rice. Frontiers in Plant Science, 2019, 10, 1515.	1.7	15
81	Recent developments in multi-criteria evaluation of regulations. Quality Assurance and Safety of Crops and Foods, 2010, 2, 182-196.	1.8	13
82	Impacts of the CAP 2014–2020 on the Agroenergy Sector in Tuscany, Italy. Energies, 2015, 8, 1058-1079.	1.6	13
83	Understanding the Spatial Agglomeration of Participation in Agri-Environmental Schemes: The Case of the Tuscany Region. Sustainability, 2019, 11, 2753.	1.6	13
84	A numerical model of a HIL scaled roller rig for simulation of wheel–rail degraded adhesion condition. Vehicle System Dynamics, 2012, 50, 775-804.	2.2	12
85	Transcriptional silencing of RNAi constructs against nematodeÂgenes in Arabidopsis. Nematology, 2013, 15, 519-528.	0.2	12
86	Chorismate mutase and isochorismatase, two potential effectors of the migratory nematode <i>Hirschmanniella oryzae</i> , increase host susceptibility by manipulating secondary metabolite content of rice. Molecular Plant Pathology, 2020, 21, 1634-1646.	2.0	12
87	Innovative Contract Solutions for the Provision of Agri-Environmental Climatic Public Goods: A Literature Review. Sustainability, 2021, 13, 6936.	1.6	12
88	Recent applications of biotechnological approaches to elucidate the biology of plant–nematode interactions. Current Opinion in Biotechnology, 2021, 70, 122-130.	3.3	12
89	Understanding linkages between common agricultural policy and High Nature Value (HNV) farmland provision: an empirical analysis in Tuscany Region. Agricultural and Food Economics, 2014, 2, .	1.3	11
90	Plasmodesmata play pivotal role in sucrose supply to <i>Meloidogyne graminicola</i> â€caused giant cells in rice. Molecular Plant Pathology, 2021, 22, 539-550.	2.0	11

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91	Digitalization and migration: the role of social media and migrant networks in migration decisions. An exploratory study in Nigeria. Digital Policy, Regulation and Governance, 2021, 23, 5-20.	1.0	10
92	Design of control system to prevent forklift capsize. International Journal of Vehicle Systems Modelling and Testing, 2010, 5, 35.	0.1	9
93	Variables Affecting Secondary School Students' Willingness to Eat Genetically Modified Food Crops. Research in Science Education, 2018, 48, 597-618.	1.4	9
94	Linking Sustainability with Geographical Proximity in Food Supply Chains. An Indicator Selection Framework. Agriculture (Switzerland), 2018, 8, 130.	1.4	9
95	Farmers' valuation of transgenic biofortified sorghum for nutritional improvement in Burkina Faso: A latent class approach. Food Policy, 2018, 79, 132-140.	2.8	9
96	Toward genetic modification of plant-parasitic nematodes: delivery of macromolecules to adults and expression of exogenous mRNA in second stage juveniles. G3: Genes, Genomes, Genetics, 2021, 11, .	0.8	9
97	New Evaluation of Small Farms: Implication for an Analysis of Food Security. Agriculture (Switzerland), 2020, 10, 74.	1.4	8
98	Fusing acoustic ranges and inertial measurements in AUV navigation: The Typhoon AUV at CommsNet13 sea trial. , 2014, , .		7
99	Exploring institutional arrangements for local fish product labelling in Tuscany (Italy): a convention theory perspective. Agricultural and Food Economics, 2020, 8, .	1.3	7
100	Research meetings must be more sustainable. Nature Food, 2020, 1, 187-189.	6.2	7
101	What do agri-environmental measures actually promote? An investigation on AES objectives for the EU 2000-2006 rural development program. Spanish Journal of Agricultural Research, $2011, 9, 7$.	0.3	7
102	Sensitivity towards DMI fungicides and haplotypic diversity of their CYP51 target in the Mycosphaerella graminicola population of Flanders. Journal of Plant Diseases and Protection, 2014, 121, 156-163.	1.6	6
103	How does international migration impact on rural areas in developing countries? A systematic review. Journal of Rural Studies, 2020, 80, 273-290.	2.1	6
104	Spatial Patterns of Change in Agriculture and the Role of the Common Agricultural Policy. Outlook on Agriculture, 2013, 42, 25-32.	1.8	5
105	Removing Bt eggplant from the face of Indian regulators. Nature Biotechnology, 2015, 33, 904-907.	9.4	5
106	Gibberellin reduces the susceptibility of rice, Oryza sativa, toÂtheÂmigratory nematode Hirschmanniella oryzae. Nematology, 2018, 20, 703-709.	0.2	5
107	Isolation and characterization of microsatellite loci in the highland papaya Vasconcellea�×heilbornii V. Badillo (Caricaceae). Molecular Ecology Notes, 2005, 5, 590-592.	1.7	4
108	Present status of bacterial blight in cotton genotypes evaluated at Busia and Siaya counties of Western Kenya. European Journal of Plant Pathology, 2014, 139, 863-874.	0.8	4

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109	Development of a novel and rapid phenotype-based screening method to assess rice seedling growth. Plant Methods, 2020, 16, 139.	1.9	4
110	Analysis of Asian Rice (<i>Oryza sativa</i>) Genotypes Reveals a New Source of Resistance to the Root-Knot Nematode <i>Meloidogyne javanica</i> and the Root-Lesion Nematode <i>Pratylenchus zeae</i> . Phytopathology, 2020, 110, 1572-1577.	1.1	4
111	Wine Market Segmentation Considering New Consumption Trend: Focusing on Korea Wine Festival Participants. Korean Agricultural Economics Association, 2019, 60, 153-175.	0.5	4
112	Adaptive business arrangements and the creation of social capital: Towards smallâ€scale fisheries resilience in different European geographical areas. Sociologia Ruralis, 2022, 62, 44-67.	1.8	4
113	First Evidence of Feeding-Induced RNAi in Banana Weevil via Exogenous Application of dsRNA. Insects, 2022, 13, 40.	1.0	4
114	The Bioeconomy in economic literature: looking back, looking ahead. Bio-based and Applied Economics, 2022, 10, 169-184.	0.4	4
115	The Impact of Changes in Regulatory and Market Environment on Sustainability of Wine Producers: A Structural Equation Model. Wine Economics and Policy, 2020, 9, 51-61.	1.3	3
116	Pathogenicity of the root-lesion nematode, Pratylenchus zeae, on rice genotypes under different hydro-ecologies in Tanzania. Nematology, 2020, 22, 221-233.	0.2	3
117	Comparison of the penetration, development and reproduction of Meloidogyne javanica and M. graminicola on partially resistant Oryza sativa cultivars from East Africa. Nematology, 2020, 22, 381-399.	0.2	3
118	<i>Rotylenchus wimbii</i> n. sp. (Nematoda: Hoplolaimidae) associated with finger millet in Kenya. Journal of Nematology, 2021, 53, 1-14.	0.4	3
119	EUTR implementation in the Italian wood-energy sector: Role and impact of (ongoing) digitalisation. Forest Policy and Economics, 2022, 141, 102758.	1.5	3
120	Local Agri-food Systems in a Global World: Market, Social and Environmental Challenges. European Review of Agricultural Economics, 2013, 40, 408-411.	1.5	2
121	Farmers' Preferences for Cotton Cultivation Characteristics: A Discrete Choice Experiment in Burkina Faso. Agronomy, 2019, 9, 841.	1.3	2
122	Sustainability Performance of Local vs Global Food Supply Chains: The Case of Bread Chains in Italy. , $0, , .$		2
123	Scientific Innovation for The Sustainable Development of African Agriculture. Afrika Focus, 2019, 32, 117-133.	0.1	2
124	Understanding Integration Experience and Wellbeing of Economic-Asylum Seekers in Italy: the Case of Nigerian Immigrants. Journal of International Migration and Integration, $0, 1$.	0.8	2
125	Morphological characterization reveals new insights into giant cell development of Meloidogyne graminicola on rice. Planta, 2022, 255, 70.	1.6	2
126	Optimal design of cross-compliance under asymmetric information. Food Economics: the Official Journal of the Nordic Association of Agricultural Scientists (NJF), 2012, 9, 87-94.	0.2	1

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127	An anti-capsize strategy for industrial vehicles: Preliminary testing on a scaled AGV., 2014,,.		1
128	DTREEv2, a computer-based support system for the risk assessment of genetically modified plants. New Biotechnology, 2014, 31, 166-171.	2.4	1
129	A structural equation model to assess the impact of agricultural research expenditure on multiple dimensions. Quality and Quantity, 2019, 53, 2063-2080.	2.0	1
130	The Vulnerability of Food Systems. Research in Rural Sociology and Development, 2020, , 69-105.	0.3	1
131	Small Farms' Behaviour: Conditions, Strategies and Performances. Research in Rural Sociology and Development, 2020, , 125-169.	0.3	1
132	Ex-Post Analyses of Agri-Environment Schemes. , 0, , 23-38.		1
133	Evaluation of economic impact of climatic change on agro-forestry systems. Italian Journal of Agronomy, 2009, 4, 33.	0.4	O
134	Food Trade and Global Value Chain. , 2019, , 82-87.		0
135	Small Farming and Food and Nutrition Security. Research in Rural Sociology and Development, 2020, , 19-38.	0.3	O
136	Unpacking Food Systems. Research in Rural Sociology and Development, 2020, , 39-67.	0.3	0