Dipartimento di Scienze Agrarie, Alimenti, Risorse naturali e Ingegneria

RELAZIONE DELLE ATTIVITÀ SVOLTE NEL 2022

1. L'ATTIVITÀ DI RICERCA

La mission del DAFNE è quella di sviluppare ricerca ed alta formazione sui temi dell'agricoltura, produzioni alimentari, ambiente e risorse naturali, rafforzando il suo radicamento territoriale ed il supporto allo sviluppo locale, promuovendo il trasferimento tecnologico e la diffusione delle innovazioni secondo un'impostazione collaborativa con i settori imprenditoriali e le amministrazioni locali, per generare opportunità di sviluppo e valorizzando le possibilità di estendere all'ambito europeo ed extra-europeo la rete delle collaborazioni scientifiche e di ricerca.

Anche il corso di ***Dottorato di Ricerca industriale*** in capo al Dipartimento è stato recentemente riformulato in senso estensivo, ponendo a valore l'ingresso di docenti di nuovi SSD ed identificando due *curricula*, quello ambientale e quello tecnologico.

La buona dotazione in infrastrutture di ricerca si è recentemente arricchita grazie ai fondi (complessivi 17 milioni circa) del progetto PlASS (Platform for Agrofood Science and Safety) finanziato nell'ambito dei PON infrastrutture (PON03) del programma Ricerca e Sviluppo 2007-2013, coordinato da UNIFG e sviluppato in partnership con l'Università di Palermo e con il CREA.

Alle strutture laboratoriali presenti nella sede del DAFNE (30 laboratori di ricerca e 7 didattici, su ca. 1500 mq) si aggiungono altri due poli di ricerca, dislocati nel raggio di pochi chilometri. Questi sono basati su una concezione che coniuga la presenza di attrezzature di laboratorio di livello avanzato con impianti pilota fra loro integrati che sono in grado di fornire servizi alle imprese attraverso attività di ricerca "tailored" e trasferimento tecnologico. Il primo, con 4 research facility, è rivolto alla qualità e sicurezza delle produzioni alimentari ed è allocato in strutture limitrofe al DAFNE di proprietà del CREA e concesse in comodato d'uso ventennale. Il secondo (STAR*Facility Centre), finanziato dall'UE (progetto STAR*AgroEnergy), si colloca nell'area ASI di Foggia, ed è specializzato sui processi industriali di valorizzazione delle materie organiche residuali, scarti, sottoprodotti, effluenti ed altre materie prime-seconde al fine di conseguire composti ad elevato valore aggiunto ed energia da fonte rinnovabile secondo un approccio biorefinery.

Le expertise presenti nel DAFNE hanno trovato modo di esplicarsi in diversi progetti di ricerca: (ultimi 5 anni) 8 internazionali (2 Horizon 2020, 2 COST, 2 Interreg, 1 Erasmus+EAC, 1 EFSA), Nazionali (3 MIPAF, 4 PRIN, 2 PRIN 2022, 4 PONR&I) e regionali (50). Partecipa al progetto PNRR "National Research Centre for Agricultural Technologies (Agritech)", con attività in due Spoke (6 e 7) e per un budget di 3.9 Mio EUR.

Per il potenziamento infrastrutturale ha ottenuto un finanziamento di circa 0,5 Mio Eur nell'ambito dei Fondi Attuazione DM 737/2021

Il DAFNE ha ottenuto il riconoscimento dal MUR di dipartimento di eccellenza per il periodo 2023-2027, risultando tra i migliori 180 dipartimenti universitari statali valutati nella VQR 2015-2019. Il riconoscimento legato alla qualità della ricerca prodotta e del progetto di sviluppo, consente al DAFNE di disporre nel quadriennio 2023-2027 di ulteriori risorse finanziarie (8 Mio Eur) da destinare al potenziamento del personale e delle infrastrutture di ricerca.

2. La produzione scientifica del DAFNE nell'anno 2022

L'attività di ricerca svolta del personale DAFNE ha consentito una produzione scientifica nel 2022 di 189 lavori pubblicati su riviste indicizzate Scopus. Di seguito se ne riporta un elenco.

n.	Titolo	Autori	Riferimenti bibliografici
1	(Extreme) Weather index-based insurances: data, models, and other aspects we need to think about	Tappi M.; Santeramo F.G.	2022 IEEE Workshop on Metrology for Agriculture and Forestry, MetroAgriFor 2022 - Proceedings,313,317 DOI:10.1109/MetroAgriFor55389.2022.9964979

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2	A Comparison of Copromicroscopic and Molecular Methods for the Diagnosis of Cat Aelurostrongylosis	Morelli S.; Traversa D.; Diakou A.; Colombo M.; Russi I.; et al.	Animals,12,8,1024, DOI:10.3390/ani12081024
3	A durum wheat recombinant inbred line (RIL) population: Data on β-glucans, grain protein content, grain yield per spike, and heading time	Marcotuli I.; Giove S.L.; Giancaspro A.; Gadaleta A.	Data in Brief,41,107938, DOI:10.1016/j.dib.2022.107938
4	A Fast Regression-Based Approach to Map Water Status of Pomegranate Orchards with Sentinel 2 Data	Borgogno-Mondino E.; Farbo A.; Novello V.; de Palma L.	Horticulturae,8,9,759, DOI:10.3390/horticulturae8090759
5	A fish market survey using a novel PCR-sequencing-based protocols for the identification of commercial significant fish species	Ali A.; Di Taranto P.; Parisi A.; Sambro L.D.; Iannacci A.; et al.	Potravinarstvo Slovak Journal of Food Sciences,16,656,669 DOI:10.5219/1777
6	A framework towards resilient Mediterranean eco-solutions for small-scale farming systems	Lamonaca E.; Bouzid A.; Caroprese M.; Ciliberti M.G.; Cordovil C.M.S.; et al.	Agriculture and Food Security,11,1,65, DOI:10.1186/s40066-022-00399-w
7	A Hedonic Analysis of Processed Tomato Prices Using Italian Regional Markets Data	De Meo E.; Nardone G.; Bimbo F.; Carlucci D.	Foods,11,6,816, DOI:10.3390/foods11060816
8	A New Capillary Gas Chromatography Column Based on Poly(ethylene glycol) Methyl Ether-Functionalized Calix[4]arene	Chen R.; Cai Z.; Li W.; Huang Q.; Nardiello D.; et al.	Chemistry and Biodiversity,19,12,e202200829, DOI:10.1002/cbdv.202200829
9	A new stationary phase for capillary gas chromatography based on amphiphilic triblock copolymer – Benzimidazolium ionic liquid	Huang Q.; Cai Z.; Chen R.; Zhang W.; Nardiello D.; et al.	Microchemical Journal,183,108084, DOI:10.1016/j.microc.2022.108084
10	A Preliminary Approach to Define the Microbiological Profile of Naturally Fermented Peranzana Alta Daunia Table Olives	Speranza B.; Sinigaglia M.; Corbo M.R.; D'Errico N.; Bevilacqua A.	Foods,11,14,2100, DOI:10.3390/foods11142100
11	A real time loop-mediated isothermal amplification (RealAmp) assay for rapid detection of Pleurostoma richardsiae in declining olive plants	Sadallah A.; Minutillo S.A.; Valentini F.; Raimondo M.L.; Lops F.; et al.	Phytopathologia Mediterranea,61,2,259,267 DOI:10.36253/phyto-12748
12	A single change in the aptamer of the Lactiplantibacillus plantarum rib operon riboswitch severely impairs its regulatory activity and leads to a vitamin B2- overproducing phenotype	Ripa I.; Ruiz-Masó J.Á.; De Simone N.; Russo P.; Spano G.; del Solar G.	Microbial Biotechnology,15,4,1253,1269 DOI:10.1111/1751-7915.13919
13	Abscisic Acid-Stress-Ripening Genes Involved in Plant Response to High Salinity and Water Deficit in Durum and Common Wheat	Yacoubi I.; Gadaleta A.; Mathlouthi N.; Hamdi K.; Giancaspro A.	Frontiers in Plant Science,13,789701, DOI:10.3389/fpls.2022.789701
14	Adherence to Gluten-Free Diet Restores Alpha Diversity in Celiac People but the Microbiome Composition Is Different to Healthy People	Palmieri O.; Castellana S.; Bevilacqua A.; Latiano A.; Latiano T.; et al.	Nutrients,14,12,2452, DOI:10.3390/nu14122452

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15	Agronomical effects and response of growers in the application of the GesCoN DSS at the commercial farm scale	Elia A.; Lazzizera C.; La Rotonda P.; Conversa G.	Acta Horticulturae,1335,643,650 DOI:10.17660/ActaHortic.2022.1335.81
16	An electrophoretic approach to reveal the freshness of buffalo mozzarella cheese	Rutigliano M.; Spadaccino G.; Gagliardi R.; Di Luccia A.; Faccia M.; la Gatta B.	International Dairy Journal,133,105424, DOI:10.1016/j.idairyj.2022.105424
17	Antihelium-3 fluxes near Earth using data-driven estimates for annihilation cross section	Acharya S.; Adamová D.; Adler A.; Aglieri Rinella G.; Agnello M.; et al.	Proceedings of Science,395,516, DOI:
18	Antioxidant activity and protective effect of the outer scales hydroalcoholic extract of Allium cepa L. var. Tropea on toxicity damage induced by Cadmium in Caco-2 cells	Marrelli M.; Argentieri M.P.; Alexa E.; Meleleo D.; Statti G.; et al.	Food and Chemical Toxicology,170,113495, DOI:10.1016/j.fct.2022.113495
19	Application of fuzzy logic system for the pizza production processing optimisation	De Pilli T.	Journal of Food Engineering,319,110906, DOI:10.1016/j.jfoodeng.2021.110906
20	Artisanal fresh filled pasta with pomegranate peels as natural preservative	Lacivita V.; Marziliano M.; Del Nobile M.A.; Conte A.	LWT,172,114209, DOI:10.1016/j.lwt.2022.114209
21	ATHENA detector proposal - a totally hermetic electron nucleus apparatus proposed for IP6 at the Electron-Ion Collider	Adam J.; Adamczyk L.; Agrawal N.; Aidala C.; Akers W.; et al.	Journal of Instrumentation,17,10,P10019, DOI:10.1088/1748-0221/17/10/P10019
22	Behavioural and electrophysiological responses of Philaenus spumarius to odours from conspecifics	Sevarika M.; Rondoni G.; Ganassi S.; Pistillo O.M.; Germinara G.S.; et al.	Scientific Reports,12,1,8402, DOI:10.1038/s41598-022-11885-3
23	Biochar-Derived Smoke Waters Affect Bactrocera oleae Behavior and Control the Olive Fruit Fly under Field Conditions	Jesu G.; Laudonia S.; Bonanomi G.; Flematti G.; Germinara S.G.; et al.	Agronomy,12,11,2834, DOI:10.3390/agronomy12112834
24	Changes in antioxidant defence system in durum wheat under hyperosmotic stress: A concise overview	Laus M.N.; De Santis M.A.; Flagella Z.; Soccio M.	Plants,11,1,98, DOI:10.3390/plants11010098
25	Characterization and postharvest behavior of goji berry (Lycium barbarum L.) during ripening	Fatchurrahman D.; Amodio M.L.; Valeria De Chiara M.L.; Mastrandrea L.; Colelli G.	Postharvest Biology and Technology,191,111975, DOI:10.1016/j.postharvbio.2022.111975
26	Characterization of 150 µm thick silicon microstrip prototype for the FOOT experiment	Alexandrov A.; Alpat B.; Ambrosi G.; Argirò S.; Arteche D.R.; et al.	Journal of Instrumentation,17,12,P12012, DOI:10.1088/1748-0221/17/12/P12012
27	Characterizing the initial conditions of heavy-ion collisions at the LHC with mean transverse momentum and anisotropic flow correlations	Acharya S.; Adamová D.; Adler A.; Adolfsson J.; Aglieri Rinella G.; et al.	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics,834,137393, DOI:10.1016/j.physletb.2022.137393
28	Charm-quark fragmentation fractions and production cross section at midrapidity in pp collisions at the LHC	Acharya S.; Adamová D.; Adler A.; Adolfsson J.; Aglieri Rinella G.; et al.	Physical Review D,105,1,L011103, DOI:10.1103/PhysRevD.105.L011103

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29	Chromatographic Separation of Aromatic Amine Isomers: A Solved Issue by a New Amphiphilic Pillar[6]arene Stationary Phase	Sun T.; Chen R.; Huang Q.; Ba M.; Cai Z.; et al.	ACS Applied Materials and Interfaces,14,50,56132,56142 DOI:10.1021/acsami.2c17889
30	Circular and green economy: the state-of-the-art	Santeramo F.G.	Heliyon,8,4,e09297, DOI:10.1016/j.heliyon.2022.e09297
31	Circular Nonuniform Electric Field Gel Electrophoresis for the Separation and Concentration of Nanoparticles	Liu L.; Yang R.; Cui J.; Chen P.; Ri H.C.; et al.	Analytical Chemistry,94,23,8474,8482 DOI:10.1021/acs.analchem.2c01313
32	Climate resilience in small ruminant and immune system: An old alliance in the new sustainability context	Ciliberti M.G.; Caroprese M.; Albenzio M.	Small Ruminant Research,210,106662, DOI:10.1016/j.smallrumres.2022.106662
33	Comparative effects of heat and cold stress on physiological enzymes in Sitophilus oryzae and Lasioderma serricorne	Wang J.; Germinara G.S.; Feng Z.; Luo S.; Yang S.; et al.	Journal of Stored Products Research,96,101949, DOI:10.1016/j.jspr.2022.101949
34	Comparative Evaluation of Yield and Fruit Physico-Chemical Characteristics of Five Commercial Cultivars of Pomegranate Grown in Southeastern Italy in Two Consecutive Years	Tarantino A.; Frabboni L.; Mazzeo A.; Ferrara G.; Disciglio G.	Horticulturae,8,6,497, DOI:10.3390/horticulturae8060497
35	Comparison of Different Copromicroscopic Techniques in the Diagnosis of Intestinal and Respiratory Parasites of Naturally Infected Dogs and Cats	Colombo M.; Morelli S.; Damiani D.; Del Negro M.A.; Milillo P.; et al.	Animals,12,19,2584, DOI:10.3390/ani12192584
36	Consumer Acceptance and Preference for Olive Oil Attributes—A Review	Latino M.E.; De Devitiis B.; Corallo A.; Viscecchia R.; Bimbo F.	Foods,11,23,3805, DOI:10.3390/foods11233805
37	Correction to: Host preference of Thrips hawaiiensis for different ornamental plants (Journal of Pest Science, (2022), 95, 2, (761-770), 10.1007/s10340-021-01402-2)	Cao Y.; Reitz S.R.; Germinara G.S.; Wang C.; Wang ·L.; et al.	Journal of Pest Science,95,3,1467, DOI:10.1007/s10340-022-01486-4
38	Cytokine Pattern of Peripheral Blood Mononuclear Cells Isolated from Children Affected by Generalized Epilepsy Treated with Different Protein Fractions of Meat Sources	Cilberti M.G.; Santillo A.; Polito A.N.; Messina G.; della Malva A.; et al.	Nutrients,14,11,2243, DOI:10.3390/nu14112243
39	Datasets for grain protein content, yield-related traits, and candidate genes in a durum wheat RIL population derived from a “hexaploid × tetraploid” interspecific cross	Giancaspro A.; Giove S.L.; Marcotuli I.; Gadaleta A.	Data in Brief,42,108234, DOI:10.1016/j.dib.2022.108234
40	Dealing with endogeneity in risk analysis within the stochastic frontier approach in agricultural economics: A scoping review	Russo S.; Phali L.; Prosperi M.	Bio-based and Applied Economics,11,4,339,350 DOI:10.36253/bae-13516
41	Dermanyssosis in the Urban Context: When the One Health Paradigm Is Put into Practice	Barlaam A.; Puccini A.; Caiaffa M.F.; Di Bona D.; Macchia L.; Giangaspero A.	Pathogens,11,12,1396, DOI:10.3390/pathogens11121396
42	Designing Policy Mixes to Address the World’s Worst Devastation of a Rural Landscape Caused by Xylella Epidemic	Lopolito A.; Sica E.	Land,11,5,763, DOI:10.3390/land11050763

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43	Detection of post-harvest pathogens by loopmediated isothermal amplification: a review	Mellikeche W.; Casini G.; Ricelli A.; Colelli G.; Gallo M.; D'Onghia A.M.	Phytopathologia Mediterranea,61,3,531,547 DOI:10.36253/phyto-1409
44	Determination of Nitrate and Nitrite in Swiss Chard (Beta vulgaris L. subsp. vulgaris) and Wild Rocket (Diplotaxis tenuifolia (L.) DC.) and Food Safety Evaluations	Iammarino M.; Berardi G.; Vita V.; Elia A.; Conversa G.; Di Taranto A.	Foods,11,17,2571, DOI:10.3390/foods11172571
45	Direct observation of the dead-cone effect in quantum chromodynamics	Acharya S.; Adamova D.; Adler A.; Adolfsson J.; Aglieri Rinella G.; et al.	Nature,605,7910,440,446 DOI:10.1038/s41586-022-04572-w
46	Dolphins and sea turtles may host zoonotic parasites and pathogenic bacteria as indicators of anthropic pressure in the Gulf of Taranto (Northern Ionian Sea, Central-Eastern Mediterranean Sea)	Marangi M.; Carlucci R.; Carlino P.; Fanizza C.; Cirelli G.; et al.	Veterinary Research Communications,46,4,1157,1166 DOI:10.1007/s11259-022-10011-y
47	Effect of Arbuscular Mycorrhizal Fungal Seed Coating on Grain Protein and Mineral Composition of Old and Modern Bread Wheat Genotypes	De Santis M.A.; Giuliani M.M.; Flagella Z.; Pellegrino E.; Ercoli L.	Agronomy,12,10,2418, DOI:10.3390/agronomy12102418
48	Effect of Biochar and Inorganic or Organic Fertilizer Co-Application on Soil Properties, Plant Growth and Nutrient Content in Swiss Chard	Rivelli A.R.; Libutti A.	Agronomy,12,9,2089, DOI:10.3390/agronomy12092089
49	Effect of Elevated CO2 during Low Temperature Storage on the Quality Attributes of Cut Spearmint	Sommano S.R.; Khamsaw P.; Van Doan H.; Cheewangkoon R.; Amodio M.L.; et al.	Horticulturae,8,2,126, DOI:10.3390/horticulturae8020126
50	Effects of different irrigation regimes on vegetative growth, yield and fruit quality of young pomegranate (Punica granatum 'Wonderful') trees	Tarantino A.; Disciglio G.; Frabboni L.; Difonzo G.; Paradiso V.M.; et al.	Acta Horticulturae,1335,411,419 DOI:10.17660/ActaHortic.2022.1335.51
51	Effects of different winter pruning times on table grape vines performance and starch reserves to face climate changes	Ferrara G.; Magarelli A.; Palasciano M.; Coletta A.; Crupi P.; et al.	Scientia Horticulturae,305,111385, DOI:10.1016/j.scienta.2022.111385
52	Effects of Texture Modifiers on Physicochemical Properties of 3D-Printed Meat Mimics from Pea Protein Isolate-Alginate Gel Mixture	Leelapunnawut S.; Ngamwonglumlert L.; Devahastin S.; Derossi A.; Caporizzi R.; Chiewchan N.	Foods,11,24,3947, DOI:10.3390/foods11243947
53	Electrophysiological and behavioural responses of Stegobium paniceum to volatile compounds from Chinese medicinal plant materials	Cao Y.; Pistillo O.M.; Lou Y.; D'Isita I.; Maggi F.; et al.	Pest Management Science,78,8,3697,3703 DOI:10.1002/ps.7012
54	Elemental fragmentation cross sections for a 16O beam of 400 MeV/u kinetic energy interacting with a graphite target using the FOOT ΔE-TOF detectors	Toppi M.; Sarti A.; Alexandrov A.; Alpat B.; Ambrosi G.; et al.	Frontiers in Physics,10,979229, DOI:10.3389/fphy.2022.979229
55	Energy-Optimal RAN Configurations for SWIPT IoT	Rizzo G.; Marsan M.A.; Esposito C.	2022 20th International Symposium on Modeling and Optimization in Mobile, Ad hoc, and Wireless Networks, WiOpt 2022,169,176 DOI:10.23919/WiOpt56218.2022.9930622

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56	Evidence of the different effect of mercury and cadmium on the hIAPP aggregation process	Meleleo D.; Gerbino A.; Mastrodonato M.	Biophysical Chemistry,290,106880, DOI:10.1016/j.bpc.2022.106880
57	Exploring the NΛ–NΣ coupled system with high precision correlation techniques at the LHC	Acharya S.; Adamová D.; Adler A.; Adolfsson J.; Aglieri Rinella G.; et al.	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics,833,137272, DOI:10.1016/j.physletb.2022.137272
58	Exploring the Probiotic Potential of Dairy Industrial-Relevant Lactobacilli	Rocchetti M.T.; Russo P.; Spano G.; De Santis L.; Iarusso I.; et al.	Applied Sciences (Switzerland),12,10,4989, DOI:10.3390/app12104989
59	Extending 3D food printing application: Apple tissue microstructure as a digital model to create innovative cereal-based snacks	Derossi A.; Paolillo M.; Verboven P.; Nicolai B.; Severini C.	Journal of Food Engineering,316,110845, DOI:10.1016/j.jfoodeng.2021.110845
60	Extending the ALICE strong-interaction studies to nuclei: measurement of proton-deuteron correlations in pp collisions at √s = 13 TeV	Acharya S.; Adamová D.; Adler A.; Rinella G.A.; Agnello M.; et al.	Proceedings of Science,398,391, DOI:
61	Fast removal of phenolic compounds from water using hierarchical porous carbon nanofibers membrane	Zhou S.; Guo J.; Zou Y.; Wang L.; Kaw H.Y.; et al.	Journal of Chromatography A,1685,463624, DOI:10.1016/j.chroma.2022.463624
62	Feeding tannins to dairy cows in different seasons improves the oxidative status of blood plasma and the antioxidant capacity of cheese	Santillo A.; Ciliberti M.G.; Ciampi F.; Luciano G.; Natalello A.; et al.	Journal of Dairy Science,105,11,8609,8620 DOI:10.3168/jds.2022-22256
63	First insights about the underlying mechanisms of Martina Franca donkey meat tenderization during aging: A proteomic approach	della Malva A.; Gagaoua M.; Santillo A.; De Palo P.; Sevi A.; Albenzio M.	Meat Science,193,108925, DOI:10.1016/j.meatsci.2022.108925
64	First Report of Phaeoacremonium oleae and P. viticola Associated with Olive Trunk Diseases in Italy	Raimondo M.L.; Lops F.; Carlucci A.	Plant Disease,106,1, DOI:10.1094/PDIS-06-21-1198-PDN
65	First study of the two-body scattering involving charm hadrons	Acharya S.; Adamová D.; Adler A.; Adolfsson J.; Aglieri Rinella G.; et al.	Physical Review D,106,5,052010, DOI:10.1103/PhysRevD.106.052010
66	Foliar application of protein hydrolysates on baby-leaf spinach grown at different n levels	Bonasia A.; Conversa G.; Lazzizera C.; Elia A.	Agronomy,12,1,36, DOI:10.3390/agronomy12010036
67	Food Security Threats and Policy Responses in EU and Africa	Santeramo F.G.; Kang M.	Sustainable Horizons,4,100044, DOI:10.1016/j.horiz.2022.100044
68	Forward rapidity J/ψ production as a function of charged-particle multiplicity in pp collisions at √s = 5.02 and 13 TeV	Acharya S.; Adamová D.; Adler A.; Adolfsson J.; Aglieri Rinella G.; et al.	Journal of High Energy Physics,2022,6,15, DOI:10.1007/JHEP06(2022)015
69	Fresh pomegranate juices from cultivars and local ecotypes grown in southeastern Italy: comparison of physicochemical properties, antioxidant activity and bioactive compounds	Tarantino A.; Difonzo G.; Disciglio G.; Frabboni L.; Paradiso V.M.; et al.	Journal of the Science of Food and Agriculture,102,3,1185,1192 DOI:10.1002/jsfa.11456
70	Functional Properties of Meat in Athletes' Performance and Recovery	Di Corcia M.; Tartaglia N.; Polito R.; Ambrosi A.; Messina G.; et al.	International Journal of Environmental Research and Public Health,19,9,5145, DOI:10.3390/ijerph19095145

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71	Functionalization of soy residue (okara) by enzymatic hydrolysis and LAB fermentation for B2 bio-enrichment and improved in vitro digestion	Wang R.; Thakur K.; Feng J.-Y.; Zhu Y.-Y.; Zhang F.; et al.	Food Chemistry,387,132947, DOI:10.1016/j.foodchem.2022.132947
72	General balance functions of identified charged hadron pairs of (π,K,p) in Pb–Pb collisions at sNN= 2.76 TeV	Acharya S.; Adamová D.; Adler A.; Adolfsson J.; Aglieri Rinella G.; et al.	Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics,833,137338, DOI:10.1016/j.physletb.2022.137338
73	Genome-Wide Expression Analysis of Glyoxalase I Genes Under Hyperosmotic Stress and Existence of a Stress-Responsive Mitochondrial Glyoxalase I Activity in Durum Wheat (Triticum durum Desf.)	Soccio M.; Marangi M.; Laus M.N.	Frontiers in Plant Science,13,934523, DOI:10.3389/fpls.2022.934523
74	Genotyping-by-Sequencing Defines Genetic Structure within the “Acquaviva” Red Onion Landrace	Delvento C.; Pavan S.; Miazzi M.M.; Marcotrigiano A.R.; Ricciardi F.; et al.	Plants,11,18,2388, DOI:10.3390/plants11182388
75	Green extraction of bioactive compounds from wine lees and their bio-responses on immune modulation using in vitro sheep model	Ciliberti M.G.; Francavilla M.; Albenzio M.; Inghese C.; Santillo A.; et al.	Journal of Dairy Science,105,5,4335,4353 DOI:10.3168/jds.2021-21098
76	Heat Stress Associated Changes in the Immune System Related Responses in Sheep	Caroprese M.; Ciliberti M.G.; Albenzio M.; Sevi A.	Climate Change and Livestock Production: Recent Advances and Future Perspectives,49,58 DOI:10.1007/978-981-16-9836-1_5
77	Help From Above: UAV-Empowered Network Resiliency in Post-Disaster Scenarios	Esposito C.; Rizzo G.	Proceedings - IEEE Consumer Communications and Networking Conference, CCNC,477,480 DOI:10.1109/CCNC49033.2022.9700675
78	High Milk Somatic Cell Counts and Increased Teladorsagia Burdens Overshadow Non-Infection-Related Factors as Predictors of Fat and Protein Content of Bulk-Tank Raw Milk in Sheep and Goat Farms	Lianou D.T.; Michael C.K.; Gougoulis D.A.; Cripps P.J.; Vasileiou N.G.C.; et al.	Foods,11,3,443, DOI:10.3390/foods11030443
79	High-precision measurement of the W boson mass with the CDF II detector	Aaltonen T.; Amerio S.; Amidei D.; Anastassov A.; Annovi A.; et al.	Science,376,6589,170,176 DOI:10.1126/science.abk1781
80	High-Resolution Micro-object Separation by Rotating Magnetic Chromatography	Piao J.; Liu L.; Cai L.; Ri H.C.; Jin X.; et al.	Analytical Chemistry,94,33,11500,11507 DOI:10.1021/acs.analchem.2c01385
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