

Enrico Giampieri

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

1,786
citations

471509

17
h-index

289244

40
g-index

58
all docs

58
docs citations

58
times ranked

4160
citing authors

#	ARTICLE	IF	CITATIONS
1	Mediterranean diet intervention alters the gut microbiome in older people reducing frailty and improving health status: the NU-AGE 1-year dietary intervention across five European countries. <i>Gut</i> , 2020, 69, 1218-1228.	12.1	465
2	Methods for the integration of multi-omics data: mathematical aspects. <i>BMC Bioinformatics</i> , 2016, 17, 15.	2.6	316
3	Classification and Personalized Prognostic Assessment on the Basis of Clinical and Genomic Features in Myelodysplastic Syndromes. <i>Journal of Clinical Oncology</i> , 2021, 39, 1223-1233.	1.6	127
4	Optimized pipeline of MuTect and GATK tools to improve the detection of somatic single nucleotide polymorphisms in whole-exome sequencing data. <i>BMC Bioinformatics</i> , 2016, 17, 341.	2.6	103
5	Identification of a DNA methylation signature in blood cells from persons with Down Syndrome. <i>Aging</i> , 2014, 7, 82-96.	3.1	92
6	The role of low-grade inflammation and metabolic flexibility in aging and nutritional modulation thereof: A systems biology approach. <i>Mechanisms of Ageing and Development</i> , 2014, 136-137, 138-147.	4.6	80
7	Systemic Age-Associated DNA Hypermethylation of ELOVL2 Gene: In Vivo and In Vitro Evidences of a Cell Replication Process. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2017, 72, 1015-1023.	3.6	66
8	Cytokine storm in aged people with CoV-2: possible role of vitamins as therapy or preventive strategy. <i>Aging Clinical and Experimental Research</i> , 2020, 32, 2115-2131.	2.9	50
9	A meta-analysis on age-associated changes in blood DNA methylation: results from an original analysis pipeline for Infinium 450k data. <i>Aging</i> , 2015, 7, 97-109.	3.1	46
10	mtDNA mutations in human aging and longevity: Controversies and new perspectives opened by high-throughput technologies. <i>Experimental Gerontology</i> , 2014, 56, 234-244.	2.8	39
11	Gender-specific association of body composition with inflammatory and adipose-related markers in healthy elderly Europeans from the NU-AGE study. <i>European Radiology</i> , 2019, 29, 4968-4979.	4.5	36
12	Systems medicine of inflammaging. <i>Briefings in Bioinformatics</i> , 2016, 17, 527-540.	6.5	35
13	Immune parameters identify Italian centenarians with a longer five-year survival independent of their health and functional status. <i>Experimental Gerontology</i> , 2014, 54, 14-20.	2.8	34
14	Recovery from 6-month spaceflight at the International Space Station: muscle-related stress into a proinflammatory setting. <i>FASEB Journal</i> , 2019, 33, 5168-5180.	0.5	25
15	Understanding and predicting ciprofloxacin minimum inhibitory concentration in <i>Escherichia coli</i> with machine learning. <i>Scientific Reports</i> , 2020, 10, 15026.	3.3	24
16	Multiscale characterization of ageing and cancer progression by a novel network entropy measure. <i>Molecular BioSystems</i> , 2015, 11, 1824-1831.	2.9	22
17	A Cross-Sectional Analysis of Body Composition Among Healthy Elderly From the European NU-AGE Study: Sex and Country Specific Features. <i>Frontiers in Physiology</i> , 2018, 9, 1693.	2.8	22
18	Stochastic neutral modelling of the Gut Microbiota's relative species abundance from next generation sequencing data. <i>BMC Bioinformatics</i> , 2016, 17, 16.	2.6	19

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19	Cross-Sectional Analysis of the Correlation Between Daily Nutrient Intake Assessed by 7-Day Food Records and Biomarkers of Dietary Intake Among Participants of the NU-AGE Study. <i>Frontiers in Physiology</i> , 2018, 9, 1359.	2.8	17
20	Stochastic analysis of a miRNA-protein toggle switch. <i>Molecular BioSystems</i> , 2011, 7, 2796.	2.9	16
21	The function of specialized pro-resolving endogenous lipid mediators, vitamins, and other micronutrients in the control of the inflammatory processes: Possible role in patients with SARS-CoV-2 related infection. <i>Prostaglandins and Other Lipid Mediators</i> , 2022, 159, 106619.	1.9	16
22	Cognitive Decline and Alzheimer's Disease in Old Age: A Sex-Specific Cytokine Signature. <i>Journal of Alzheimer's Disease</i> , 2019, 72, 911-918.	2.6	13
23	The rationale for a multi-step therapeutic approach based on antivirals, drugs and nutrients with immunomodulatory activity in patients with coronavirus-SARS2-induced disease of different severities. <i>British Journal of Nutrition</i> , 2021, 125, 275-293.	2.3	12
24	COVID-19, what could sepsis, severe acute pancreatitis, gender differences, and aging teach us?. <i>Cytokine</i> , 2021, 148, 155628.	3.2	12
25	Bistability in the chemical master equation for dual phosphorylation cycles. <i>Journal of Chemical Physics</i> , 2012, 136, 235102.	3.0	10
26	Analysis of noise-induced bimodality in a Michaelis-Menten single-step enzymatic cycle. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2013, 392, 336-342.	2.6	9
27	A deep learning approach for magnetic resonance fingerprinting: Scaling capabilities and good training practices investigated by simulations.. <i>Physica Medica</i> , 2021, 89, 80-92.	0.7	7
28	Automated Prediction of the Response to Neoadjuvant Chemoradiotherapy in Patients Affected by Rectal Cancer. <i>Cancers</i> , 2022, 14, 2231.	3.7	7
29	Outcome Prediction for SARS-CoV-2 Patients Using Machine Learning Modeling of Clinical, Radiological, and Radiomic Features Derived from Chest CT Images. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 4493.	2.5	7
30	Circumventing the curse of dimensionality in magnetic resonance fingerprinting through a deep learning approach. <i>NMR in Biomedicine</i> , 2022, 35, e4670.	2.8	6
31	The role of non-equilibrium fluxes in the relaxation processes of the linear chemical master equation. <i>Journal of Chemical Physics</i> , 2014, 141, 065102.	3.0	5
32	A Fully Automated Pipeline for a Robust Conjunctival Hyperemia Estimation. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 2978.	2.5	5
33	Classification Performance for COVID Patient Prognosis from Automatic AI Segmentation-A Single-Center Study. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 5438.	2.5	5
34	Twelve-Week Daily Consumption of ad hoc Fortified Milk with 3, D, and Group B Vitamins Has a Positive Impact on Inflammaging Parameters: A Randomized Cross-Over Trial. <i>Nutrients</i> , 2020, 12, 3580.	4.1	4
35	Gut microbiota ecology: Biodiversity estimated from hybrid neutral-niche model increases with health status and aging. <i>PLoS ONE</i> , 2020, 15, e0237207.	2.5	4
36	Prediction of Overall Survival in Cervical Cancer Patients Using PET/CT Radiomic Features. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 5946.	2.5	4

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37	Advantages of manual and automatic computer-aided compared to traditional histopathological diagnosis of melanoma: A pilot study. <i>Pathology Research and Practice</i> , 2022, 237, 154014.	2.3	4
38	Statistical strategies and stochastic predictive models for the MARK-AGE data. <i>Mechanisms of Ageing and Development</i> , 2015, 151, 45-53.	4.6	3
39	A Novel Approach to Improve the Estimation of a Diet Adherence Considering Seasonality and Short Term Variability – The NU-AGE Mediterranean Diet Experience. <i>Frontiers in Physiology</i> , 2019, 10, 149.	2.8	3
40	Water exchange between intra and extracellular compartments studied by nuclear magnetic resonance relaxometry and optical microscopy. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 085401.	2.8	3
41	Impact of concurrency on the performance of a whole exome sequencing pipeline. <i>BMC Bioinformatics</i> , 2021, 22, 60.	2.6	3
42	Master equation and relative species abundance distribution for Lotka-Volterra models of interacting ecological communities. <i>Theoretical Biology Forum</i> , 2016, 109, 37-47.	0.2	3
43	Active Degradation Explains the Distribution of Nuclear Proteins during Cellular Senescence. <i>PLoS ONE</i> , 2015, 10, e0118442.	2.5	2
44	The impact of the COVID-19 pandemic on dermatologic practice: an Italian survey. <i>European Journal of Dermatology</i> , 2021, 31, 55-59.	0.6	2
45	Effectiveness of Biologically Inspired Neural Network Models in Learning and Patterns Memorization. <i>Entropy</i> , 2022, 24, 682.	2.2	2
46	NETWORK APPROACHES FOR ANALYSIS AND MODELING OF THE HUMAN METABOLISM. <i>Journal of Mechanics in Medicine and Biology</i> , 2015, 15, 1540026.	0.7	0
47	MODELING GLIOBLASTOMA RESPONSE TO RADIOTHERAPY BY COMBINING A TWO-COMPARTMENT KINETIC MODEL AND MULTIPARAMETRIC NMR DATA. <i>Journal of Mechanics in Medicine and Biology</i> , 2015, 15, 1540017.	0.7	0
48	SGSI project at CNAF. <i>EPJ Web of Conferences</i> , 2019, 214, 08017.	0.3	0
49	WISDoM: Characterizing Neurological Time Series With the Wishart Distribution. <i>Frontiers in Neuroinformatics</i> , 2020, 14, 611762.	2.5	0
50	Study of Wound Healing Dynamics by Single Pseudo-Particle Tracking in Phase Contrast Images Acquired in Time-Lapse. <i>Entropy</i> , 2021, 23, 284.	2.2	0
51	COVID-19 Lung Segmentation. <i>Journal of Open Source Software</i> , 2021, 6, 3447.	4.6	0
52	Cross-Environment Comparison of a Bioinformatics Pipeline: Perspectives for Hybrid Computations. <i>Lecture Notes in Computer Science</i> , 2019, , 638-649.	1.3	0
53	Abstract 421: Potential biomarkers for monitoring therapy with Denosumab in patients affected by giant cell tumor of bone. , 2019, , .		0
54	rFBP: Replicated Focusing Belief Propagation algorithm. <i>Journal of Open Source Software</i> , 2020, 5, 2663.	4.6	0