

# 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	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
2	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
3	Automated Prediction of the Response to Neoadjuvant Chemoradiotherapy in Patients Affected by Rectal Cancer. <i>Cancers</i> , 2022, 14, 2231.	3.7	7
4	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
5	Effectiveness of Biologically Inspired Neural Network Models in Learning and Patterns Memorization. <i>Entropy</i> , 2022, 24, 682.	2.2	2
6	Prediction of Overall Survival in Cervical Cancer Patients Using PET/CT Radiomic Features. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 5946.	2.5	4
7	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
8	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
9	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
10	Impact of concurrency on the performance of a whole exome sequencing pipeline. <i>BMC Bioinformatics</i> , 2021, 22, 60.	2.6	3
11	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
12	A Fully Automated Pipeline for a Robust Conjunctival Hyperemia Estimation. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 2978.	2.5	5
13	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
14	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
15	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
16	COVID-19 Lung Segmentation. <i>Journal of Open Source Software</i> , 2021, 6, 3447.	4.6	0
17	COVID-19, what could sepsis, severe acute pancreatitis, gender differences, and aging teach us?. <i>Cytokine</i> , 2021, 148, 155628.	3.2	12
18	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

#	ARTICLE	IF	CITATIONS
19	Understanding and predicting ciprofloxacin minimum inhibitory concentration in Escherichia coli with machine learning. Scientific Reports, 2020, 10, 15026.	3.3	24
20	Twelve-Week Daily Consumption of ad hoc Fortified Milk with I%-3, D, and Group B Vitamins Has a Positive Impact on Inflammaging Parameters: A Randomized Cross-Over Trial. Nutrients, 2020, 12, 3580.	4.1	4
21	Cytokine storm in aged people with CoV-2: possible role of vitamins as therapy or preventive strategy. Aging Clinical and Experimental Research, 2020, 32, 2115-2131.	2.9	50
22	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. Gut, 2020, 69, 1218-1228.	12.1	465
23	WISDoM: Characterizing Neurological Time Series With the Wishart Distribution. Frontiers in Neuroinformatics, 2020, 14, 611762.	2.5	0
24	Gut microbiota ecology: Biodiversity estimated from hybrid neutral-niche model increases with health status and aging. PLoS ONE, 2020, 15, e0237207.	2.5	4
25	rFBP: Replicated Focusing Belief Propagation algorithm. Journal of Open Source Software, 2020, 5, 2663.	4.6	0
26	A Novel Approach to Improve the Estimation of a Diet Adherence Considering Seasonality and Short Term Variability â€” The NU-AGE Mediterranean Diet Experience. Frontiers in Physiology, 2019, 10, 149.	2.8	3
27	Cognitive Decline and Alzheimerâ€™s Disease in Old Age: A Sex-Specific Cytokine Signature. Journal of Alzheimer's Disease, 2019, 72, 911-918.	2.6	13
28	Gender-specific association of body composition with inflammatory and adipose-related markers in healthy elderly Europeans from the NU-AGE study. European Radiology, 2019, 29, 4968-4979.	4.5	36
29	SGSI project at CNAF. EPJ Web of Conferences, 2019, 214, 08017.	0.3	0
30	Recovery from 6â€”month spaceflight at the International Space Station: muscleâ€”related stress into a proinflammatory setting. FASEB Journal, 2019, 33, 5168-5180.	0.5	25
31	Cross-Environment Comparison of a Bioinformatics Pipeline: Perspectives for Hybrid Computations. Lecture Notes in Computer Science, 2019, , 638-649.	1.3	0
32	Abstract 421: Potential biomarkers for monitoring therapy with Denosumab in patients affected by giant cell tumor of bone. , 2019, , .		0
33	A Cross-Sectional Analysis of Body Composition Among Healthy Elderly From the European NU-AGE Study: Sex and Country Specific Features. Frontiers in Physiology, 2018, 9, 1693.	2.8	22
34	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. Frontiers in Physiology, 2018, 9, 1359.	2.8	17
35	Systemic Age-Associated DNA Hypermethylation of ELOVL2 Gene: In Vivo and In Vitro Evidences of a Cell Replication Process. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2017, 72, 1015-1023.	3.6	66
36	Optimized pipeline of MuTect and GATK tools to improve the detection of somatic single nucleotide polymorphisms in whole-exome sequencing data. BMC Bioinformatics, 2016, 17, 341.	2.6	103

#	ARTICLE	IF	CITATIONS
37	Methods for the integration of multi-omics data: mathematical aspects. BMC Bioinformatics, 2016, 17, 15.	2.6	316
38	Stochastic neutral modelling of the Gut Microbiota's relative species abundance from next generation sequencing data. BMC Bioinformatics, 2016, 17, 16.	2.6	19
39	Systems medicine of inflammaging. Briefings in Bioinformatics, 2016, 17, 527-540.	6.5	35
40	Master equation and relative species abundance distribution for Lotka-Volterra models of interacting ecological communities. Theoretical Biology Forum, 2016, 109, 37-47.	0.2	3
41	Active Degradation Explains the Distribution of Nuclear Proteins during Cellular Senescence. PLoS ONE, 2015, 10, e0118442.	2.5	2
42	Statistical strategies and stochastic predictive models for the MARK-AGE data. Mechanisms of Ageing and Development, 2015, 151, 45-53.	4.6	3
43	NETWORK APPROACHES FOR ANALYSIS AND MODELING OF THE HUMAN METABOLISM. Journal of Mechanics in Medicine and Biology, 2015, 15, 1540026.	0.7	0
44	Multiscale characterization of ageing and cancer progression by a novel network entropy measure. Molecular BioSystems, 2015, 11, 1824-1831.	2.9	22
45	MODELING GLIOBLASTOMA RESPONSE TO RADIOTHERAPY BY COMBINING A TWO-COMPARTMENT KINETIC MODEL AND MULTIPARAMETRIC NMR DATA. Journal of Mechanics in Medicine and Biology, 2015, 15, 1540017.	0.7	0
46	A meta-analysis on age-associated changes in blood DNA methylation: results from an original analysis pipeline for Infinium 450k data. Aging, 2015, 7, 97-109.	3.1	46
47	Identification of a DNA methylation signature in blood cells from persons with Down Syndrome. Aging, 2014, 7, 82-96.	3.1	92
48	The role of non-equilibrium fluxes in the relaxation processes of the linear chemical master equation. Journal of Chemical Physics, 2014, 141, 065102.	3.0	5
49	mtDNA mutations in human aging and longevity: Controversies and new perspectives opened by high-throughput technologies. Experimental Gerontology, 2014, 56, 234-244.	2.8	39
50	The role of low-grade inflammation and metabolic flexibility in aging and nutritional modulation thereof: A systems biology approach. Mechanisms of Ageing and Development, 2014, 136-137, 138-147.	4.6	80
51	Immune parameters identify Italian centenarians with a longer five-year survival independent of their health and functional status. Experimental Gerontology, 2014, 54, 14-20.	2.8	34
52	Analysis of noise-induced bimodality in a Michaelis-Menten single-step enzymatic cycle. Physica A: Statistical Mechanics and Its Applications, 2013, 392, 336-342.	2.6	9
53	Bistability in the chemical master equation for dual phosphorylation cycles. Journal of Chemical Physics, 2012, 136, 235102.	3.0	10
54	Stochastic analysis of a miRNA-protein toggle switch. Molecular BioSystems, 2011, 7, 2796.	2.9	16