

# Alessandro Tonacci

## List of Publications by Year in descending order

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Version: 2024-02-01

96  
papers

2,509  
citations

236612

25  
h-index

243296

44  
g-index

100  
all docs

100  
docs citations

100  
times ranked

3825  
citing authors

#	ARTICLE	IF	CITATIONS
1	Autism and social robotics: A systematic review. <i>Autism Research</i> , 2016, 9, 165-183.	2.1	312
2	Emerging role of vitamin D in autoimmune diseases: An update on evidence and therapeutic implications. <i>Autoimmunity Reviews</i> , 2019, 18, 102350.	2.5	186
3	Randomized trial on the effects of a combined physical/cognitive training in aged MCI subjects: the Train the Brain study. <i>Scientific Reports</i> , 2017, 7, 39471.	1.6	108
4	IL-33/IL-31 Axis in Immune-Mediated and Allergic Diseases. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5856.	1.8	91
5	Effects of Mountain Ultra-Marathon Running on ROS Production and Oxidative Damage by Micro-Invasive Analytic Techniques. <i>PLoS ONE</i> , 2015, 10, e0141780.	1.1	84
6	Immunopathology of SARS-CoV-2 Infection: Immune Cells and Mediators, Prognostic Factors, and Immune-Therapeutic Implications. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4782.	1.8	68
7	Anticancer Activity of <i>Rosmarinus officinalis</i> L.: Mechanisms of Action and Therapeutic Potentials. <i>Nutrients</i> , 2020, 12, 1739.	1.7	62
8	Olfaction in autism spectrum disorders: A systematic review. <i>Child Neuropsychology</i> , 2017, 23, 1-25.	0.8	60
9	Chronic and acute effects of endurance training on telomere length. <i>Mutagenesis</i> , 2015, 30, 711-716.	1.0	58
10	Association Between Atopic Dermatitis and Autism Spectrum Disorders: A Systematic Review. <i>American Journal of Clinical Dermatology</i> , 2015, 16, 371-388.	3.3	52
11	Electronic Nose as a Novel Method for Diagnosing Cancer: A Systematic Review. <i>Biosensors</i> , 2020, 10, 84.	2.3	49
12	Monitoring of autonomic response to sociocognitive tasks during treatment in children with Autism Spectrum Disorders by wearable technologies: A feasibility study. <i>Computers in Biology and Medicine</i> , 2017, 85, 143-152.	3.9	48
13	Rich at risk: socio-economic drivers of COVID-19 pandemic spread. <i>Clinical and Molecular Allergy</i> , 2020, 18, 12.	0.8	43
14	Interactions between the MicroRNAs and Microbiota in Cancer Development: Roles and Therapeutic Opportunities. <i>Cancers</i> , 2020, 12, 805.	1.7	43
15	An integrated EEG and eye-tracking approach for the study of responding and initiating joint attention in Autism Spectrum Disorders. <i>Scientific Reports</i> , 2017, 7, 13560.	1.6	42
16	Heart Rate Variability During a Joint Attention Task in Toddlers With Autism Spectrum Disorders. <i>Frontiers in Physiology</i> , 2018, 9, 467.	1.3	40
17	The role of oxidative stress in the biology of melanoma: A systematic review. <i>Pathology Research and Practice</i> , 2019, 215, 21-28.	1.0	40
18	Omalizumab for the Treatment of Chronic Idiopathic Urticaria: Systematic Review of the Literature. <i>Pharmacotherapy</i> , 2017, 37, 464-480.	1.2	39

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19	Oxidative Stress and Photodynamic Therapy of Skin Cancers: Mechanisms, Challenges and Promising Developments. <i>Antioxidants</i> , 2020, 9, 448.	2.2	38
20	An Integrated Approach for the Monitoring of Brain and Autonomic Response of Children with Autism Spectrum Disorders during Treatment by Wearable Technologies. <i>Frontiers in Neuroscience</i> , 2016, 10, 276.	1.4	37
21	MicroRNA Cross-Involvement in Autism Spectrum Disorders and Atopic Dermatitis: A Literature Review. <i>Journal of Clinical Medicine</i> , 2019, 8, 88.	1.0	35
22	Secondary Immunodeficiency in Hematological Malignancies: Focus on Multiple Myeloma and Chronic Lymphocytic Leukemia. <i>Frontiers in Immunology</i> , 2021, 12, 738915.	2.2	34
23	Olfactory Processing in Male Children with Autism: Atypical Odor Threshold and Identification. <i>Journal of Autism and Developmental Disorders</i> , 2017, 47, 3243-3251.	1.7	33
24	The Osteoporosis/Microbiota Linkage: The Role of miRNA. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8887.	1.8	33
25	EYES Are The Window to the Mind: Eye-Tracking Technology as a Novel Approach to Study Clinical Characteristics of ADHD. <i>Psychiatry Research</i> , 2020, 290, 113135.	1.7	30
26	Cancer and SARS-CoV-2 Infection: Diagnostic and Therapeutic Challenges. <i>Cancers</i> , 2020, 12, 1581.	1.7	28
27	Machine Learning for the Classification of Alzheimer's Disease and Its Prodromal Stage Using Brain Diffusion Tensor Imaging Data: A Systematic Review. <i>Processes</i> , 2020, 8, 1071.	1.3	27
28	Vitamin D Deficiency, Osteoporosis and Effect on Autoimmune Diseases and Hematopoiesis: A Review. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8855.	1.8	27
29	Machine Learning and Deep Learning Applications in Multiple Myeloma Diagnosis, Prognosis, and Treatment Selection. <i>Cancers</i> , 2022, 14, 606.	1.7	26
30	Sensorized buoy for oil spill early detection. <i>Methods in Oceanography</i> , 2016, 17, 221-231.	1.5	25
31	Synergic Crosstalk between Inflammation, Oxidative Stress, and Genomic Alterations in BCR-ABL-Negative Myeloproliferative Neoplasm. <i>Antioxidants</i> , 2020, 9, 1037.	2.2	25
32	Wearable Sensors for Assessing the Role of Olfactory Training on the Autonomic Response to Olfactory Stimulation. <i>Sensors</i> , 2021, 21, 770.	2.1	25
33	Interpersonal motor coordination during joint actions in children with and without autism spectrum disorder: The role of motor information. <i>Research in Developmental Disabilities</i> , 2018, 80, 13-23.	1.2	24
34	Atopic dermatitis severity during exposure to air pollutants and weather changes with an Artificial Neural Network (ANN) analysis. <i>Pediatric Allergy and Immunology</i> , 2020, 31, 938-945.	1.1	24
35	A Smart Sensor System for Detecting Hydrocarbon Volatile Organic Compounds in Sea Water. <i>Clean - Soil, Air, Water</i> , 2015, 43, 147-152.	0.7	22
36	High Mobility Group Box 1: Biological Functions and Relevance in Oxidative Stress Related Chronic Diseases. <i>Cells</i> , 2022, 11, 849.	1.8	21

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37	Olfactory evaluation in Mild Cognitive Impairment: correlation with neurocognitive performance and endothelial function. <i>European Journal of Neuroscience</i> , 2017, 45, 1279-1288.	1.2	20
38	Circular RNA as a Novel Biomarker for Diagnosis and Prognosis and Potential Therapeutic Targets in Multiple Myeloma. <i>Cancers</i> , 2022, 14, 1700.	1.7	20
39	Olfactory non-cancer effects of exposure to ionizing radiation in staff working in the cardiac catheterization laboratory. <i>International Journal of Cardiology</i> , 2014, 171, 461-463.	0.8	19
40	Neuro-Fuzzy Physiological Computing to Assess Stress Levels in Virtual Reality Therapy. <i>Interacting With Computers</i> , 2015, 27, 521-533.	1.0	18
41	Olfactory dysfunction is worse in primary ciliary dyskinesia compared with other causes of chronic sinusitis in children. <i>Thorax</i> , 2018, 73, 980-982.	2.7	18
42	IL33/ST2 Axis in Diabetic Kidney Disease: A Literature Review. <i>Medicina (Lithuania)</i> , 2019, 55, 50.	0.8	18
43	“Mom Let’s Go to the Dentist!” Preliminary Feasibility of a Tailored Dental Intervention for Children with Autism Spectrum Disorder in the Italian Public Health Service. <i>Brain Sciences</i> , 2020, 10, 444.	1.1	18
44	Autism and lack of D3 vitamin: A systematic review. <i>Research in Autism Spectrum Disorders</i> , 2014, 8, 1685-1698.	0.8	17
45	Electronic Nose and AUV: A Novel Perspective in Marine Pollution Monitoring. <i>Marine Technology Society Journal</i> , 2015, 49, 18-24.	0.3	17
46	Alarmins, COVID-19 and comorbidities. <i>Annals of Medicine</i> , 2021, 53, 777-785.	1.5	17
47	A machine learning analysis to predict the response to intravenous and subcutaneous immunoglobulin in inflammatory myopathies. A proposal for a future multi-omics approach in autoimmune diseases. <i>Autoimmunity Reviews</i> , 2022, 21, 103105.	2.5	17
48	Brain-derived neurotrophic factor (Val66Met) polymorphism and olfactory ability in young adults. <i>Journal of Biomedical Science</i> , 2013, 20, 57.	2.6	16
49	Vitamin D and Folate as Predictors of MMSE in Alzheimer’s Disease: A Machine Learning Analysis. <i>Diagnostics</i> , 2021, 11, 940.	1.3	15
50	Alarmins in autoimmune diseases. <i>Autoimmunity Reviews</i> , 2022, 21, 103142.	2.5	15
51	Autonomic Nervous System Response during Light Physical Activity in Adolescents with Anorexia Nervosa Measured by Wearable Devices. <i>Sensors</i> , 2019, 19, 2820.	2.1	14
52	An Innovative, Unobtrusive Approach to Investigate Smartphone Interaction in Nonaddicted Subjects Based on Wearable Sensors: A Pilot Study. <i>Medicina (Lithuania)</i> , 2019, 55, 37.	0.8	14
53	Autistic traits impact on olfactory processing in adolescent girls with Anorexia Nervosa restricting type. <i>Psychiatry Research</i> , 2019, 274, 20-26.	1.7	14
54	E-Nose and Olfactory Assessment: Teamwork or a Challenge to the Last Data? The Case of Virgin Olive Oil Stability and Shelf Life. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 8453.	1.3	14

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55	A Machine Learning Application to Predict Early Lung Involvement in Scleroderma: A Feasibility Evaluation. <i>Diagnostics</i> , 2021, 11, 1880.	1.3	14
56	A systematic review of the association between allergic asthma and autism. <i>Minerva Pediatrics</i> , 2017, 69, 538-550.	0.2	14
57	Effects of AntagomiRs on Different Lung Diseases in Human, Cellular, and Animal Models. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3938.	1.8	13
58	Wearable Sensors to Characterize the Autonomic Nervous System Correlates of Food-Like Odors Perception: A Pilot Study. <i>Electronics (Switzerland)</i> , 2019, 8, 1481.	1.8	13
59	Involvement of IL-33 in the Pathogenesis and Prognosis of Major Respiratory Viral Infections: Future Perspectives for Personalized Therapy. <i>Biomedicines</i> , 2022, 10, 715.	1.4	13
60	Sympathetic arousal in children with oppositional defiant disorder and its relation to emotional dysregulation. <i>Journal of Affective Disorders</i> , 2019, 257, 207-213.	2.0	12
61	AntagomiRs: A novel therapeutic strategy for challenging COVID-19 cytokine storm. <i>Cytokine and Growth Factor Reviews</i> , 2021, 58, 111-113.	3.2	12
62	Antiproliferative Effects of St. John's Wort, Its Derivatives, and Other Hypericum Species in Hematologic Malignancies. <i>International Journal of Molecular Sciences</i> , 2021, 22, 146.	1.8	12
63	The soft computing-based approach to investigate allergic diseases: a systematic review. <i>Clinical and Molecular Allergy</i> , 2017, 15, 10.	0.8	11
64	Olfactory Testing in Frontotemporal Dementia: A Literature Review. <i>American Journal of Alzheimer's Disease and Other Dementias</i> , 2018, 33, 342-352.	0.9	11
65	Can Machine Learning Predict Stress Reduction Based on Wearable Sensors' Data Following Relaxation at Workplace? A Pilot Study. <i>Processes</i> , 2020, 8, 448.	1.3	11
66	The Potential Role of Cytokine Storm Pathway in the Clinical Course of Viral Respiratory Pandemic. <i>Biomedicines</i> , 2021, 9, 1688.	1.4	11
67	Multiple Myeloma Cell-Derived Exosomes: Implications on Tumorigenesis, Diagnosis, Prognosis and Therapeutic Strategies. <i>Cells</i> , 2021, 10, 2865.	1.8	10
68	The SENSEable Pisa Project: Citizen Participation in Monitoring Acoustic Climate of Mediterranean City Centers. <i>Clean - Soil, Air, Water</i> , 2017, 45, 1600137.	0.7	9
69	E-Senses, Panel Tests and Wearable Sensors: A Teamwork for Food Quality Assessment and Prediction of Consumers' Choices. <i>Chemosensors</i> , 2022, 10, 244.	1.8	9
70	Exhaled breath analysis in evaluation of psychological stress: A short literature review. <i>International Journal of Psychology</i> , 2019, 54, 589-597.	1.7	8
71	Comparative Evaluation of the Autonomic Response to Cognitive and Sensory Stimulations through Wearable Sensors. <i>Sensors</i> , 2019, 19, 4661.	2.1	8
72	Nanomedicine for Immunotherapy Targeting Hematological Malignancies: Current Approaches and Perspective. <i>Nanomaterials</i> , 2021, 11, 2792.	1.9	8

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73	Use of Electronic Noses in Seawater Quality Monitoring: A Systematic Review. <i>Biosensors</i> , 2018, 8, 115.	2.3	7
74	Enhanced Right-Chamber Remodeling in Endurance Ultra-Trail Athletes Compared to Marathon Runners Detected by Standard and Speckle-Tracking Echocardiography. <i>Frontiers in Physiology</i> , 2017, 8, 527.	1.3	6
75	A Novel Application for Cognitive Evaluation in Mountain Ultramarathons: Olfactory Assessment. <i>Wilderness and Environmental Medicine</i> , 2016, 27, 131-135.	0.4	5
76	Behavioral and Autonomic Responses in Treating Children with High-Functioning Autism Spectrum Disorder: Clinical and Phenomenological Insights from Two Case Reports. <i>Brain Sciences</i> , 2020, 10, 382.	1.1	5
77	Reply to Fluegge: Association Between Atopic Dermatitis and Autism Spectrum Disorders: A Systematic Review. <i>American Journal of Clinical Dermatology</i> , 2016, 17, 189-190.	3.3	4
78	Development of a platform for E-training/E-learning for echocardiography practitioners. , 2017, , .		4
79	Neurosensory and Cognitive Modifications in Europe's Toughest RandoRaid Competition: the Transpyrenean Extreme Study. <i>Frontiers in Physiology</i> , 2017, 8, 201.	1.3	4
80	Ethnic Differences on Cardiac Rhythms and Autonomic Nervous System Responses During a High-Altitude Trek: A Pilot Study Comparing Italian Trekkers to Nepalese Porters. <i>Frontiers in Physiology</i> , 2021, 12, 709451.	1.3	4
81	Autism spectrum disorders and atopic dermatitis: a new perspective from country-based prevalence data. <i>Clinical and Molecular Allergy</i> , 2021, 19, 27.	0.8	4
82	Sensorized buoy for oil spill early detection. , 2015, , .		3
83	Development of an integrated ICT system for data production, standardization and elaboration in health & care. , 2017, , .		3
84	Effect of feeding on neurovegetative response to olfactory stimuli. , 2017, , .		3
85	Electronic Nose and Tongue for Assessing Human Microbiota. <i>Chemosensors</i> , 2022, 10, 85.	1.8	3
86	Healthy aging: the INTECMAN project. <i>Aging Clinical and Experimental Research</i> , 2021, 33, 2011-2015.	1.4	2
87	A Smart Multimodal Innovative Model For Marine Environmental Monitoring. , 2015, , .		2
88	AUTOMA: a wearable device to assess the upper limb muscular activity in patients with neuromuscular disorders.. <i>Acta Myologica</i> , 2021, 40, 143-151.	1.5	2
89	Effect of Olfactory Stimulation in Agenesis of the Corpus Callosum: A Case Report. <i>Brain Impairment</i> , 2014, 15, 216-222.	0.5	1
90	Neurophysiological and Behavioural Variables in Cognitive Impairment: Towards a Personalised Monitoring System. <i>Biosystems and Biorobotics</i> , 2015, , 407-417.	0.2	1

#	ARTICLE	IF	CITATIONS
91	Left cardiac chambers remodeling in marathon and ultra-trail athletes detected by speckle-tracking echocardiographyP261Speckle tracking determination of tissue motion annular displacement: comparison with strain and ejection fraction, and association with outcomes in haemodialysis patientsP262Value of right ventricular 2D-speckle tracking parameters in predicting the TIMI flow grade of the RCA in patients with acute RV infarctionP263The correlation between left atrial deformation indices and the CHA <sub>2</sub> DS <sub>2</sub> European Heart Journal Cardiovascular Imaging, 2016, 17, 111-118.	0.5	1
92	A novel approach for performing measurements in diagnostic images on a mobile-based App for the training of professionals. , 2017, , .		1
93	COVID-19 pandemic: different roles for scientific publications and funding face to epidemiological dataâ€”an European, country-based perspective. Clinical and Molecular Allergy, 2021, 19, 16.	0.8	1
94	Neurovegetative and Emotional Modulation Induced by Mozartâ€™s Music. Neuropsychobiology, 2022, 81, 322-332.	0.9	1
95	Feasibility of using a smart unobtrusive wearable system for the autonomic characterisation of endurance trail runners. , 2017, , .		0
96	Success stories from consumer technology - helping and saving lives. , 2021, , .		0