

Lucia Billeci

List of Publications by Citations

Source: <https://exaly.com/author-pdf/5022735/lucia-billeci-publications-by-citations.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

75
papers

1,450
citations

22
h-index

35
g-index

88
ext. papers

1,902
ext. citations

3.9
avg, IF

4.68
L-index

#	Paper	IF	Citations
75	Autism and social robotics: A systematic review. <i>Autism Research</i> , 2016 , 9, 165-83	5.1	194
74	Gut to brain interaction in Autism Spectrum Disorders: a randomized controlled trial on the role of probiotics on clinical, biochemical and neurophysiological parameters. <i>BMC Psychiatry</i> , 2016 , 16, 183	4.2	91
73	White matter connectivity in children with autism spectrum disorders: a tract-based spatial statistics study. <i>BMC Neurology</i> , 2012 , 12, 148	3.1	85
72	An efficient unsupervised fetal QRS complex detection from abdominal maternal ECG. <i>Physiological Measurement</i> , 2014 , 35, 1607-19	2.9	53
71	On the application of quantitative EEG for characterizing autistic brain: a systematic review. <i>Frontiers in Human Neuroscience</i> , 2013 , 7, 442	3.3	53
70	[Formula: see text]Olfaction in autism spectrum disorders: A systematic review. <i>Child Neuropsychology</i> , 2017 , 23, 1-25	2.7	46
69	The Broad Autism (Endo)Phenotype: Neurostructural and Neurofunctional Correlates in Parents of Individuals with Autism Spectrum Disorders. <i>Frontiers in Neuroscience</i> , 2016 , 10, 346	5.1	43
68	Patient-specific seizure prediction based on heart rate variability and recurrence quantification analysis. <i>PLoS ONE</i> , 2018 , 13, e0204339	3.7	39
67	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	7	38
66	The FACE of autism 2010 ,		38
65	Omalizumab for the Treatment of Chronic Idiopathic Urticaria: Systematic Review of the Literature. <i>Pharmacotherapy</i> , 2017 , 37, 464-480	5.8	36
64	Disentangling the initiation from the response in joint attention: an eye-tracking study in toddlers with autism spectrum disorders. <i>Translational Psychiatry</i> , 2016 , 6, e808	8.6	36
63	Cognitive training modifies frequency EEG bands and neuropsychological measures in Rett syndrome. <i>Research in Developmental Disabilities</i> , 2016 , 53-54, 73-85	2.7	33
62	Association Between Atopic Dermatitis and Autism Spectrum Disorders: A Systematic Review. <i>American Journal of Clinical Dermatology</i> , 2015 , 16, 371-88	7.1	32
61	Heart Rate Variability During a Joint Attention Task in Toddlers With Autism Spectrum Disorders. <i>Frontiers in Physiology</i> , 2018 , 9, 467	4.6	29
60	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	4.9	28
59	Effects of Probiotic Supplementation on Gastrointestinal, Sensory and Core Symptoms in Autism Spectrum Disorders: A Randomized Controlled Trial. <i>Frontiers in Psychiatry</i> , 2020 , 11, 550593	5	28

58	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	5.1	26
57	Development and evaluation of a social robot platform for therapy in autism. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2011 , 2011, 4515-8	0.9	24
56	GOLIAH: A Gaming Platform for Home-Based Intervention in Autism - Principles and Design. <i>Frontiers in Psychiatry</i> , 2016 , 7, 70	5	24
55	Olfactory Processing in Male Children with Autism: Atypical Odor Threshold and Identification. <i>Journal of Autism and Developmental Disorders</i> , 2017 , 47, 3243-3251	4.6	22
54	Reciprocity in interaction: a window on the first year of life in autism. <i>Autism Research & Treatment</i> , 2013 , 2013, 705895	3.2	22
53	Quantifying patterns of joint attention during human-robot interactions: An application for autism spectrum disorder assessment. <i>Pattern Recognition Letters</i> , 2019 , 118, 42-50	4.7	22
52	MicroRNA Cross-Involvement in Autism Spectrum Disorders and Atopic Dermatitis: A Literature Review. <i>Journal of Clinical Medicine</i> , 2019 , 8,	5.1	21
51	NEuronMORphological analysis tool: open-source software for quantitative morphometrics. <i>Frontiers in Neuroinformatics</i> , 2013 , 7, 2	3.9	21
50	Rehabilitative Interventions and Brain Plasticity in Autism Spectrum Disorders: Focus on MRI-Based Studies. <i>Frontiers in Neuroscience</i> , 2016 , 10, 139	5.1	21
49	Multimodal Functional and Structural Brain Connectivity Analysis in Autism: A Preliminary Integrated Approach With EEG, fMRI, and DTI. <i>IEEE Transactions on Cognitive and Developmental Systems</i> , 2018 , 10, 213-226	3	19
48	Electronic Nose as a Novel Method for Diagnosing Cancer: A Systematic Review. <i>Biosensors</i> , 2020 , 10,	5.9	19
47	The role of wearable sensors and wireless technologies for the assessment of heart rate variability in anorexia nervosa. <i>Eating and Weight Disorders</i> , 2015 , 20, 23-31	3.6	18
46	A new method for QRS complex detection in multichannel ECG: Application to self-monitoring of fetal health. <i>Computers in Biology and Medicine</i> , 2017 , 85, 125-134	7	14
45	Contextual priors do not modulate action prediction in children with autism. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019 , 286, 20191319	4.4	13
44	Autism and lack of D3 vitamin: A systematic review. <i>Research in Autism Spectrum Disorders</i> , 2014 , 8, 1685-1698	3	13
43	A Combined Independent Source Separation and Quality Index Optimization Method for Fetal ECG Extraction from Abdominal Maternal Leads. <i>Sensors</i> , 2017 , 17,	3.8	13
42	GOLIAH (Gaming Open Library for Intervention in Autism at Home): a 6-month single blind matched controlled exploratory study. <i>Child and Adolescent Psychiatry and Mental Health</i> , 2017 , 11, 17	6.8	12
41	Autistic traits impact on olfactory processing in adolescent girls with Anorexia Nervosa restricting type. <i>Psychiatry Research</i> , 2019 , 274, 20-26	9.9	12

40	Emotional processing deficits in Italian children with Disruptive Behavior Disorder: The role of callous unemotional traits. <i>Behaviour Research and Therapy</i> , 2019 , 113, 32-38	5.2	12
39	An Innovative, Unobtrusive Approach to Investigate Smartphone Interaction in Nonaddicted Subjects Based on Wearable Sensors: A Pilot Study. <i>Medicina (Lithuania)</i> , 2019 , 55,	3.1	11
38	Autonomic Nervous System Response during Light Physical Activity in Adolescents with Anorexia Nervosa Measured by Wearable Devices. <i>Sensors</i> , 2019 , 19,	3.8	10
37	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	9.9	10
36	A systematic review of the association between allergic asthma and autism. <i>Minerva Pediatrics</i> , 2017 , 69, 538-550	1.5	10
35	Olfactory Testing in Frontotemporal Dementia: A Literature Review. <i>American Journal of Alzheimer's Disease and Other Dementias</i> , 2018 , 33, 342-352	2.5	9
34	The soft computing-based approach to investigate allergic diseases: a systematic review. <i>Clinical and Molecular Allergy</i> , 2017 , 15, 10	3.7	9
33	A personal monitoring architecture to detect muscular fatigue in elderly. <i>Neuromuscular Disorders</i> , 2012 , 22 Suppl 3, S192-7	2.9	9
32	Excessive physical activity in young girls with restrictive-type anorexia nervosa: its role on cardiac structure and performance. <i>Eating and Weight Disorders</i> , 2018 , 23, 653-663	3.6	8
31	Using brain connectivity measure of EEG synchronostates for discriminating typical and Autism Spectrum Disorder 2013 ,		8
30	Wearable Sensors to Characterize the Autonomic Nervous System Correlates of Food-Like Odors Perception: A Pilot Study. <i>Electronics (Switzerland)</i> , 2019 , 8, 1481	2.6	8
29	Automatic Detection of Atrial Fibrillation and Other Arrhythmias in ECG Recordings Acquired by a Smartphone Device. <i>Electronics (Switzerland)</i> , 2018 , 7, 199	2.6	8
28	Wearable Sensors for Assessing the Role of Olfactory Training on the Autonomic Response to Olfactory Stimulation. <i>Sensors</i> , 2021 , 21,	3.8	8
27	Sympathetic arousal in children with oppositional defiant disorder and its relation to emotional dysregulation. <i>Journal of Affective Disorders</i> , 2019 , 257, 207-213	6.6	7
26	Numerical simulation of novel concept 4D cardiac microtomography for small rodents based on all-optical Thomson scattering X-ray sources. <i>Scientific Reports</i> , 2019 , 9, 8439	4.9	7
25	ECG and GSR measure and analysis using wearable systems: Application in anorexia nervosa adolescents 2013 ,		6
24	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	2.9	6
23	Comparative Evaluation of the Autonomic Response to Cognitive and Sensory Stimulations through Wearable Sensors. <i>Sensors</i> , 2019 , 19,	3.8	6

22	Brain Network Organization Correlates with Autistic Features in Preschoolers with Autism Spectrum Disorders and in Their Fathers: Preliminary Data from a DWI Analysis. <i>Journal of Clinical Medicine</i> , 2019 , 8,	5.1	5
21	A feasibility study on non-invasive fetal ECG to evaluate prenatal autonomic nervous system activity. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2020 , 246, 60-66	2.4	5
20	Assessment and comparison of neural morphology through metrical feature extraction and analysis in neuron and neuron-glia cultures. <i>Journal of Biological Physics</i> , 2009 , 35, 447-64	1.6	5
19	Automated extraction and classification of dynamic metrical features of morphological development in dissociated Purkinje neurons. <i>Journal of Neuroscience Methods</i> , 2010 , 185, 315-24	3	5
18	Can Machine Learning Predict Stress Reduction Based on Wearable Sensors Data Following Relaxation at Workplace? A Pilot Study. <i>Processes</i> , 2020 , 8, 448	2.9	4
17	Innovative technologies and methodologies based on integration of virtual reality and wearable systems for psychological stress treatment. <i>International Journal of Psychophysiology</i> , 2012 , 85, 402	2.9	4
16	A Machine Learning Application to Predict Early Lung Involvement in Scleroderma: A Feasibility Evaluation. <i>Diagnostics</i> , 2021 , 11,	3.8	4
15	"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,	3.4	4
14	Detection of AF and Other Rhythms Using RR Variability and ECG Spectrum Measures 2017 ,		3
13	A Novel Application for Cognitive Evaluation in Mountain Ultramarathons: Olfactory Assessment. <i>Wilderness and Environmental Medicine</i> , 2016 , 27, 131-5	1.4	3
12	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,	3.4	2
11	A Machine Learning Approach for Epileptic Seizure Prediction and Early Intervention. <i>Biosystems and Biorobotics</i> , 2019 , 972-976	0.2	2
10	Healthy aging: the INTECMAN project. <i>Aging Clinical and Experimental Research</i> , 2021 , 33, 2011-2015	4.8	2
9	QRS Detection Based on Medical Knowledge and Cascades of Moving Average Filters. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 6995	2.6	2
8	Reply to Fluegge: Association Between Atopic Dermatitis and Autism Spectrum Disorders: A Systematic Review. <i>American Journal of Clinical Dermatology</i> , 2016 , 17, 189-90	7.1	2
7	Neurophysiological and Behavioural Variables in Cognitive Impairment: Towards a Personalised Monitoring System. <i>Biosystems and Biorobotics</i> , 2015 , 407-417	0.2	1
6	How Attention to Faces and Objects Changes Over Time in Toddlers with Autism Spectrum Disorders: Preliminary Evidence from An Eye Tracking Study. <i>Brain Sciences</i> , 2019 , 9,	3.4	1
5	Electronic Nose and Tongue for Assessing Human Microbiota. <i>Chemosensors</i> , 2022 , 10, 85	4	0

- 4 A randomized controlled trial into the effects of probiotics on electroencephalography in preschoolers with autism.. *Autism*, **2022**, 13623613221082710 6.6 o
- 3 Algorithms for epilepsy monitoring **2020**, 351-359
- 2 Correction: Billeci, L.; et al. Automatic Detection of Atrial Fibrillation and Other Arrhythmias in ECG Recordings Acquired by a Smartphone Device. *Electronics* 2018, 7, 199. *Electronics (Switzerland)*, **2018**, 7, 248 2.6
- 1 Music Modulates Autonomic Nervous System Activity in Human Fetuses.. *Frontiers in Medicine*, **2022**, 9, 857591 4.9