

# Giovanni Pioggia

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6266657/publications.pdf>

Version: 2024-02-01

197  
papers

4,387  
citations

117625

34  
h-index

155660

55  
g-index

209  
all docs

209  
docs citations

209  
times ranked

5750  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Machine Learning and Deep Learning Applications in Multiple Myeloma Diagnosis, Prognosis, and Treatment Selection. <i>Cancers</i> , 2022, 14, 606.  | 3.7 | 26        |
| 2  | Comprehensive Analysis of the ILCs and Unconventional T Cells in Virus Infection: Profiling and Dynamics Associated with COVID-19 Disease for a Future Monitoring System and Therapeutic Opportunities. <i>Cells</i> , 2022, 11, 542. | 4.1 | 7         |
| 3  | COVID-19 Vaccination and Mental Disorders, What Has Been Accomplished and Future Direction. <i>Brain Sciences</i> , 2022, 12, 292.  | 2.3 | 8         |
| 4  | Psychological Interventions for Children with Autism during the COVID-19 Pandemic through a Remote Behavioral Skills Training Program. <i>Journal of Clinical Medicine</i> , 2022, 11, 1194.  | 2.4 | 7         |
| 5  | MicroRNA Cross-Involvement in Acne Vulgaris and Hidradenitis Suppurativa: A Literature Review. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3241.   | 4.1 | 6         |
| 6  | Autologous Haematopoietic Stem Cell Transplantation and Systemic Sclerosis: Focus on Interstitial Lung Disease. <i>Cells</i> , 2022, 11, 843.   | 4.1 | 1         |
| 7  | Predicting Outcome of Traumatic Brain Injury: Is Machine Learning the Best Way?. <i>Biomedicines</i> , 2022, 10, 686.   | 3.2 | 14        |
| 8  | AllergoOncology: Role of immune cells and immune proteins. <i>Clinical and Translational Allergy</i> , 2022, 12, e12133.  | 3.2 | 7         |
| 9  | Advanced glycation end-products and advanced oxidation protein products in schizophrenia. <i>Psychiatry Research</i> , 2022, 311, 114527.   | 3.3 | 2         |
| 10 | Body Representation in Patients with Severe Spinal Cord Injury: A Pilot Study on the Promising Role of Powered Exoskeleton for Gait Training. <i>Journal of Personalized Medicine</i> , 2022, 12, 619.                                | 2.5 | 11        |
| 11 | Gender Influences Virtual Reality-Based Recovery of Cognitive Functions in Patients with Traumatic Brain Injury: A Secondary Analysis of a Randomized Clinical Trial. <i>Brain Sciences</i> , 2022, 12, 491.                          | 2.3 | 4         |
| 12 | Social Humanoid Robots for Children with Autism Spectrum Disorders: A Review of Modalities, Indications, and Pitfalls. <i>Children</i> , 2022, 9, 953.  | 1.5 | 15        |
| 13 | Immune System and Psychological State of Pregnant Women during COVID-19 Pandemic: Are Micronutrients Able to Support Pregnancy?. <i>Nutrients</i> , 2022, 14, 2534.   | 4.1 | 11        |
| 14 | Physical Activity and Post-Transcriptional Regulation of Aging Decay: Modulation of Pathways in Postmenopausal Osteoporosis. <i>Medicina (Lithuania)</i> , 2022, 58, 767.   | 2.0 | 5         |
| 15 | Mediating Mindfulness-Based Interventions with Virtual Reality in Non-Clinical Populations: The State-of-the-Art. <i>Healthcare (Switzerland)</i> , 2022, 10, 1220.   | 2.0 | 9         |
| 16 | Brief Report: Neuroimaging Endophenotypes of Social Robotic Applications in Autism Spectrum Disorder. <i>Journal of Autism and Developmental Disorders</i> , 2021, 51, 2538-2542.   | 2.7 | 3         |
| 17 | Robot-Assisted Cognitive Behavioral Therapy for Young Children with Autism Spectrum Disorders. , 2021, , 4004-4009.   |     | 0         |
| 18 | Nutraceuticals against Oxidative Stress in Autoimmune Disorders. <i>Antioxidants</i> , 2021, 10, 261.   | 5.1 | 31        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Use of Machine Learning to Investigate the Quantitative Checklist for Autism in Toddlers (Q-CHAT) towards Early Autism Screening. <i>Diagnostics</i> , 2021, 11, 574.  | 2.6 | 12        |
| 20 | A Personal Health System for Self-Management of Congestive Heart Failure (HeartMan): Development, Technical Evaluation, and Proof-of-Concept Randomized Controlled Trial. <i>JMIR Medical Informatics</i> , 2021, 9, e24501. | 2.6 | 19        |
| 21 | IL-33 in Mental Disorders. <i>Medicina (Lithuania)</i> , 2021, 57, 315.  | 2.0 | 11        |
| 22 | Proof-of-concept trial results of the HeartMan mobile personal health system for self-management in congestive heart failure. <i>Scientific Reports</i> , 2021, 11, 5663.  | 3.3 | 13        |
| 23 | New Insights into YES-Associated Protein Signaling Pathways in Hematological Malignancies: Diagnostic and Therapeutic Challenges. <i>Cancers</i> , 2021, 13, 1981.   | 3.7 | 14        |
| 24 | Reviewing the Significance of Vitamin D Substitution in Monoclonal Gammopathies. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4922.  | 4.1 | 7         |
| 25 | Mindfulness-Based Interventions for Physical and Psychological Wellbeing in Cardiovascular Diseases: A Systematic Review and Meta-Analysis. <i>Brain Sciences</i> , 2021, 11, 727.   | 2.3 | 22        |
| 26 | Epigenetic Effects of Benzene in Hematologic Neoplasms: The Altered Gene Expression. <i>Cancers</i> , 2021, 13, 2392.  | 3.7 | 14        |
| 27 | The Effect of Acceptance and Commitment Therapy for Improving Psychological Well-Being in Parents of Individuals with Autism Spectrum Disorders: A Randomized Controlled Trial. <i>Brain Sciences</i> , 2021, 11, 880.       | 2.3 | 10        |
| 28 | Therapies with Antioxidant Potential in Psoriasis, Vitiligo, and Lichen Planus. <i>Antioxidants</i> , 2021, 10, 1087.  | 5.1 | 20        |
| 29 | Involvement of microRNAs as a Response to Phototherapy and Photodynamic Therapy: A Literature Review. <i>Antioxidants</i> , 2021, 10, 1310.  | 5.1 | 5         |
| 30 | Vitamin D Deficiency, Osteoporosis and Effect on Autoimmune Diseases and Hematopoiesis: A Review. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8855.   | 4.1 | 27        |
| 31 | COVID-19 pandemic: different roles for scientific publications and funding face to epidemiological data—an European, country-based perspective. <i>Clinical and Molecular Allergy</i> , 2021, 19, 16.                        | 1.8 | 1         |
| 32 | HeartMan DSS: A decision support system for self-management of congestive heart failure. <i>Expert Systems With Applications</i> , 2021, 186, 115688.  | 7.6 | 9         |
| 33 | The Impact of Immunological Checkpoint Inhibitors and Targeted Therapy on Chronic Pruritus in Cancer Patients. <i>Biomedicines</i> , 2021, 9, 2.   | 3.2 | 3         |
| 34 | The Route of Stress in Parents of Young Children with and without Autism: A Path-Analysis Study. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 10887.                                 | 2.6 | 9         |
| 35 | Secondary Immunodeficiency in Hematological Malignancies: Focus on Multiple Myeloma and Chronic Lymphocytic Leukemia. <i>Frontiers in Immunology</i> , 2021, 12, 738915.   | 4.8 | 34        |
| 36 | Mental Illness and Amyloid: A Scoping Review of Scientific Evidence over the Last 10 Years (2011 to) Tj ETQqO O O rgBT /Overlock 10 Tf   | 2.3 | 6         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 37 | What about the Consequences of the Use of Distance Learning during the COVID-19 Pandemic? A Survey on the Psychological Effects in Both Children and Parents. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 12641. | 2.6 | 10        |
| 38 | Autistic Traits and Empathy in Children With Attention Deficit Hyperactivity Disorder, Autism Spectrum Disorder and Co-occurring Attention Deficit Hyperactivity Disorder/Autism Spectrum Disorder. <i>Frontiers in Neuroscience</i> , 2021, 15, 734177.  | 2.8 | 0         |
| 39 | Artificial Intelligence for Dysarthria Assessment in Children With Ataxia: A Hierarchical Approach. <i>IEEE Access</i> , 2021, 9, 166720-166735.  | 4.2 | 4         |
| 40 | Role of Epithelium-Derived Cytokines in Atopic Dermatitis and Psoriasis: Evidence and Therapeutic Perspectives. <i>Biomolecules</i> , 2021, 11, 1843.   | 4.0 | 9         |
| 41 | How COVID-19 Has Affected Caregiversâ€™ Burden of Patients with Dementia: An Exploratory Study Focusing on Coping Strategies and Quality of Life during the Lockdown. <i>Journal of Clinical Medicine</i> , 2021, 10, 5953.                               | 2.4 | 9         |
| 42 | Autism spectrum disorders and atopic dermatitis: a new perspective from country-based prevalence data. <i>Clinical and Molecular Allergy</i> , 2021, 19, 27.  | 1.8 | 4         |
| 43 | Outcomes of a Robot-Assisted Social-Emotional Understanding Intervention for Young Children with Autism Spectrum Disorders. <i>Journal of Autism and Developmental Disorders</i> , 2020, 50, 1973-1987.   | 2.7 | 61        |
| 44 | Development of SaraHome: A novel, well-accepted, technology-based assessment tool for patients with ataxia. <i>Computer Methods and Programs in Biomedicine</i> , 2020, 188, 105257.  | 4.7 | 21        |
| 45 | Involvement of miR-142 and miR-155 in Non-Infectious Complications of CVID. <i>Molecules</i> , 2020, 25, 4760.  | 3.8 | 4         |
| 46 | Spatio-temporal parameters of ataxia gait dataset obtained with the Kinect. <i>Data in Brief</i> , 2020, 32, 106307.  | 1.0 | 10        |
| 47 | Validation of low-cost system for gait assessment in children with ataxia. <i>Computer Methods and Programs in Biomedicine</i> , 2020, 196, 105705.   | 4.7 | 17        |
| 48 | Role of Alarmins in the Pathogenesis of Systemic Sclerosis. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4985.  | 4.1 | 9         |
| 49 | Vitamin D and Covid-19: an update on evidence and potential therapeutic implications. <i>Clinical and Molecular Allergy</i> , 2020, 18, 23.   | 1.8 | 47        |
| 50 | The Osteoporosis/Microbiota Linkage: The Role of miRNA. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8887.  | 4.1 | 33        |
| 51 | Tele-Assisted Behavioral Intervention for Families with Children with Autism Spectrum Disorders: A Randomized Control Trial. <i>Brain Sciences</i> , 2020, 10, 649.   | 2.3 | 26        |
| 52 | Alexithymia Profile in Relation to Negative Affect in Parents of Autistic and Typically Developing Young Children. <i>Brain Sciences</i> , 2020, 10, 496.   | 2.3 | 7         |
| 53 | The Mitochondrial Dysfunction Hypothesis in Autism Spectrum Disorders: Current Status and Future Perspectives. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5785.   | 4.1 | 29        |
| 54 | Synergic Crosstalk between Inflammation, Oxidative Stress, and Genomic Alterations in BCRâ€ABL-Negative Myeloproliferative Neoplasm. <i>Antioxidants</i> , 2020, 9, 1037.   | 5.1 | 25        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 55 | Anticancer Activity of Rosmarinus officinalis L.: Mechanisms of Action and Therapeutic Potentials. <i>Nutrients</i> , 2020, 12, 1739.  | 4.1 | 62        |
| 56 | Working memory and decision making in children with ADHD: an analysis of delay discounting with the use of the dual-task paradigm. <i>BMC Psychiatry</i> , 2020, 20, 272.  | 2.6 | 12        |
| 57 | Cancer and SARS-CoV-2 Infection: Diagnostic and Therapeutic Challenges. <i>Cancers</i> , 2020, 12, 1581.   | 3.7 | 28        |
| 58 | Alarmins in Osteoporosis, RAGE, IL-1, and IL-33 Pathways: A Literature Review. <i>Medicina (Lithuania)</i> , 2020, 56, 138.  | 2.0 | 26        |
| 59 | Clinico-Biological Implications of Modified Levels of Cytokines in Chronic Lymphocytic Leukemia: A Possible Therapeutic Role. <i>Cancers</i> , 2020, 12, 524.  | 3.7 | 25        |
| 60 | Oxidative Stress and Atopic Dermatitis. <i>Antioxidants</i> , 2020, 9, 196.  | 5.1 | 82        |
| 61 | Interactions between the MicroRNAs and Microbiota in Cancer Development: Roles and Therapeutic Opportunities. <i>Cancers</i> , 2020, 12, 805.  | 3.7 | 43        |
| 62 | IL-33/Vitamin D Crosstalk in Psoriasis-Associated Osteoporosis. <i>Frontiers in Immunology</i> , 2020, 11, 604055.   | 4.8 | 15        |
| 63 | Robot-Assisted Cognitive Behavioural Therapy for Young Children with Autism Spectrum Disorders. , 2020, , 1-5.   |     | 1         |
| 64 | Vitamin deficiency as risk factor for SARS-CoV-2 infection: correlation with susceptibility and prognosis. <i>European Review for Medical and Pharmacological Sciences</i> , 2020, 24, 9721-9738.                                    | 0.7 | 28        |
| 65 | Microbiota and microRNAs in lung diseases: mutual influence and role insights. <i>European Review for Medical and Pharmacological Sciences</i> , 2020, 24, 13000-13008.  | 0.7 | 5         |
| 66 | Oxidative Stress and Photodynamic Therapy of Skin Cancers: Mechanisms, Challenges and Promising Developments. <i>Antioxidants</i> , 2020, 9, 448.  | 5.1 | 38        |
| 67 | Validation of the Quantitative Checklist for Autism in Toddlers in an Italian Clinical Sample of Young Children With Autism and Other Developmental Disorders. <i>Frontiers in Psychiatry</i> , 2019, 10, 488.                       | 2.6 | 20        |
| 68 | The ST2/Interleukin-33 Axis in Hematologic Malignancies: The IL-33 Paradox. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5226.   | 4.1 | 13        |
| 69 | Psychometric properties, factor structure and cross-cultural validity of the quantitative CHecklist for autism in toddlers (Q-CHAT) in an Italian community setting. <i>Research in Autism Spectrum Disorders</i> , 2019, 64, 39-48. | 1.5 | 13        |
| 70 | Biodegradation ability of two selected microbial autochthonous consortia from a chronically polluted marine coastal area (Priolo Gargallo, Italy). <i>Journal of Applied Microbiology</i> , 2019, 127, 618-629.                      | 3.1 | 8         |
| 71 | A Novel Third Wave Contextual Approach of Positive Behavior Support in School for Adolescent at High Psychosocial Risk: Rationale, Feasibility, and First Pilot Outcomes. <i>Frontiers in Psychology</i> , 2019, 10, 2635.           | 2.1 | 5         |
| 72 | Study of Mechanisms of Social Interaction Stimulation in Autism Spectrum Disorder by Assisted Humanoid Robot. <i>IEEE Transactions on Cognitive and Developmental Systems</i> , 2018, 10, 993-1004.                                  | 3.8 | 24        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 73 | Implementation of the Early Start Denver Model in an Italian community. Autism, 2018, 22, 126-133.  | 4.1 | 57        |
| 74 | Towards the Basic Principles of Osmotic Computing: A Closed-Loop Gamified Cognitive Rehabilitation Flow Model. , 2018, , .  |     | 4         |
| 75 | Towards Osmotic Computing: Future Prospect for the Health Information Technology (HIT) Systems of ISASI-CNR (ME). , 2018, , .   |     | 1         |
| 76 | mhealth and psycho-physical well-being. , 2018, , .   |     | 1         |
| 77 | An Ecological Visual Exploration Tool to Support the Analysis of Visual Processing Pathways in Children with Autism Spectrum Disorders. Journal of Imaging, 2018, 4, 9.   | 3.0 | 3         |
| 78 | Ubiquitous, Wearable, Mobile. Advances in Educational Technologies and Instructional Design Book Series, 2018, , 286-307.   | 0.2 | 1         |
| 79 | Olfaction in autism spectrum disorders: A systematic review. Child Neuropsychology, 2017, 23, 1-25.   | 1.3 | 60        |
| 80 | A new method for QRS complex detection in multichannel ECG: Application to self-monitoring of fetal health. Computers in Biology and Medicine, 2017, 85, 125-134.   | 7.0 | 26        |
| 81 | Monitoring of autonomic response to sociocognitive tasks during treatment in children with Autism Spectrum Disorders by wearable technologies: A feasibility study. Computers in Biology and Medicine, 2017, 85, 143-152. | 7.0 | 48        |
| 82 | Omalizumab for the Treatment of Chronic Idiopathic Urticaria: Systematic Review of the Literature. Pharmacotherapy, 2017, 37, 464-480.  | 2.6 | 39        |
| 83 | Immature myeloid-derived suppressor cells: A bridge between inflammation and cancer. Oncology Reports, 2017, 37, 671-683.   | 2.6 | 32        |
| 84 | MicroRNA Profiling in Asthma: Potential Biomarkers and Therapeutic Targets. American Journal of Respiratory Cell and Molecular Biology, 2017, 57, 642-650.  | 2.9 | 55        |
| 85 | GOLIAH (Gaming Open Library for Intervention in Autism at Home): a 6-month single blind matched controlled exploratory study. Child and Adolescent Psychiatry and Mental Health, 2017, 11, 17.                            | 2.5 | 18        |
| 86 | Reduced preference for social rewards in a novel tablet based task in young children with Autism Spectrum Disorders. Scientific Reports, 2017, 7, 3329.   | 3.3 | 27        |
| 87 | A pocket device for high-throughput optofluidic holographic microscopy. Proceedings of SPIE, 2017, , .  | 0.8 | 0         |
| 88 | High-throughput label-free optofluidic imaging and 3D tracking using a pocket holographic microscope slide. Proceedings of SPIE, 2017, , .  | 0.8 | 0         |
| 89 | The soft computing-based approach to investigate allergic diseases: a systematic review. Clinical and Molecular Allergy, 2017, 15, 10.  | 1.8 | 11        |
| 90 | Pocket module for single beam off-axis digital holography microscopy. , 2017, , .   |     | 0         |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 91  | A Computer Vision Based Approach for Understanding Emotional Involvements in Children with Autism Spectrum Disorders. , 2017, , .   |     | 18        |
| 92  | Inflammatory and Anti-Inflammatory Equilibrium, Proliferative and Antiproliferative Balance: The Role of Cytokines in Multiple Myeloma. Mediators of Inflammation, 2017, 2017, 1-24.                      | 3.0 | 99        |
| 93  | A systematic review of the association between allergic asthma and autism. Minerva Pediatrics, 2017, 69, 538-550.   | 0.4 | 14        |
| 94  | An Integrated Approach for the Monitoring of Brain and Autonomic Response of Children with Autism Spectrum Disorders during Treatment by Wearable Technologies. Frontiers in Neuroscience, 2016, 10, 276. | 2.8 | 37        |
| 95  | GOLIAH: A Gaming Platform for Home-Based Intervention in Autism “ Principles and Design. Frontiers in Psychiatry, 2016, 7, 70.  | 2.6 | 32        |
| 96  | Autism and social robotics: A systematic review. Autism Research, 2016, 9, 165-183.   | 3.8 | 312       |
| 97  | Difference in Visual Social Predispositions Between Newborns at Low- and High-risk for Autism. Scientific Reports, 2016, 6, 26395.  | 3.3 | 80        |
| 98  | Disentangling the initiation from the response in joint attention: an eye-tracking study in toddlers with autism spectrum disorders. Translational Psychiatry, 2016, 6, e808-e808.                        | 4.8 | 57        |
| 99  | Reply to Fluegge: Association Between Atopic Dermatitis and Autism Spectrum Disorders: A Systematic Review. American Journal of Clinical Dermatology, 2016, 17, 189-190.                                  | 6.7 | 4         |
| 100 | A Novel Application for Cognitive Evaluation in Mountain Ultramarathons: Olfactory Assessment. Wilderness and Environmental Medicine, 2016, 27, 131-135.  | 0.9 | 5         |
| 101 | Cognitive training modifies frequency EEG bands and neuropsychological measures in Rett syndrome. Research in Developmental Disabilities, 2016, 53-54, 73-85.   | 2.2 | 46        |
| 102 | Non-intrusive and calibration free visual exploration analysis in children with Autism Spectrum Disorder. , 2015, , 201-207.  |     | 4         |
| 103 | Olfactory Evoked Brainstem Autonomic Responses in Subjects with Normal Sensations of Smell. Autonomic Neuroscience: Basic and Clinical, 2015, 192, 83-84.   | 2.8 | 0         |
| 104 | Association between HMGB1 and COPD: A Systematic Review. Mediators of Inflammation, 2015, 2015, 1-8.  | 3.0 | 42        |
| 105 | Automatic Emotion Recognition in Robot-Children Interaction for ASD Treatment. , 2015, , .  |     | 30        |
| 106 | Reply. JACC: Cardiovascular Imaging, 2015, 8, 1470-1471.  | 5.3 | 0         |
| 107 | A Soft Computing“Based B-Line Analysis for“Objective Classification of Severity of“Pulmonary Edema and Fibrosis. JACC: Cardiovascular Imaging, 2015, 8, 495-496.  | 5.3 | 13        |
| 108 | Neuro-Fuzzy Physiological Computing to Assess Stress Levels in Virtual Reality Therapy. Interacting With Computers, 2015, 27, 521-533.  | 1.5 | 18        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 109 | Association Between Atopic Dermatitis and Autism Spectrum Disorders: A Systematic Review. American Journal of Clinical Dermatology, 2015, 16, 371-388.   | 6.7 | 52        |
| 110 | Mannose-binding lectin 2 gene polymorphism and lung damage in primary ciliary dyskinesia. Pediatric Pulmonology, 2015, 50, 179-186.  | 2.0 | 16        |
| 111 | A Smart Sensor System for Detecting Hydrocarbon Volatile Organic Compounds in Sea Water. Clean - Soil, Air, Water, 2015, 43, 147-152.  | 1.1 | 22        |
| 112 | The role of wearable sensors and wireless technologies for the assessment of heart rate variability in anorexia nervosa. Eating and Weight Disorders, 2015, 20, 23-31.   | 2.5 | 23        |
| 113 | A Smart Multimodal Innovative Model For Marine Environmental Monitoring. , 2015, , .   |     | 2         |
| 114 | Vital Sign Sensing Technology. , 2014, , 55-92.  |     | 2         |
| 115 | An efficient unsupervised fetal QRS complex detection from abdominal maternal ECG. Physiological Measurement, 2014, 35, 1607-1619.   | 2.1 | 80        |
| 116 | Effect of Olfactory Stimulation in Agenesis of the Corpus Callosum: A Case Report. Brain Impairment, 2014, 15, 216-222.  | 0.7 | 1         |
| 117 | Autism and lack of D3 vitamin: A systematic review. Research in Autism Spectrum Disorders, 2014, 8, 1685-1698.   | 1.5 | 17        |
| 118 | Interactive Technologies for Autistic Children: A Review. Cognitive Computation, 2014, 6, 722-740.   | 5.2 | 222       |
| 119 | How children with autism spectrum disorder behave and explore the 4-dimensional (spatial 3D+time) environment during a joint attention induction task with a robot. Research in Autism Spectrum Disorders, 2014, 8, 814-826. | 1.5 | 120       |
| 120 | Real-Time Gender Based Behavior System for Human-Robot Interaction. Lecture Notes in Computer Science, 2014, , 74-83.  | 1.3 | 6         |
| 121 | Experiential Virtual Scenarios With Real-Time Monitoring (Interreality) for the Management of Psychological Stress: A Block Randomized Controlled Trial. Journal of Medical Internet Research, 2014, 16, e167.               | 4.3 | 105       |
| 122 | A non invasive, wearable sensor platform for multi-parametric remote monitoring in CHF patients. Health and Technology, 2013, 3, 99-109.   | 3.6 | 9         |
| 123 | Brain-derived neurotrophic factor (Val66Met) polymorphism and olfactory ability in young adults. Journal of Biomedical Science, 2013, 20, 57.  | 7.0 | 16        |
| 124 | A mobile data collection platform for mental health research. Personal and Ubiquitous Computing, 2013, 17, 241-251.  | 2.8 | 120       |
| 125 | Rapid diagnosis of primary ciliary dyskinesia: cell culture and soft computing analysis. European Respiratory Journal, 2013, 41, 960-965.  | 6.7 | 16        |
| 126 | ECG and GSR measure and analysis using wearable systems: Application in anorexia nervosa adolescents. , 2013, , .  |     | 8         |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 127 | Is the sensitivity of primary ciliary dyskinesia detection by ciliary function analysis 100%?: Table 2â€“. European Respiratory Journal, 2013, 42, 1161-1161.  | 6.7 | 0         |
| 128 | â€œRapid diagnosis of primary ciliary dyskinesia: cell culture and soft computing analysis.â€•Massimo Pifferi, Andrew Bush, Francesca Montemurro, Giovanni Pioggia, Martina Piras, Gennaro Tartarisco, Maria Di Cicco, Iolanda Chinellato, Angela M. Cangioti and Attilio L. Boner.<i>Eur Respir J</i>2013; 41: 960â€“965.. European Respiratory Journal, 2013, 42, 1162.1-1162. | 6.7 | 1         |
| 129 | Olfactory testing in staff working in the cardiac catheterization laboratory. European Heart Journal, 2013, 34, P5432-P5432.   | 2.2 | 0         |
| 130 | On the Application of Quantitative EEG for Characterizing Autistic Brain: A Systematic Review. Frontiers in Human Neuroscience, 2013, 7, 442.  | 2.0 | 85        |
| 131 | NEuronMORphological analysis tool: open-source software for quantitative morphometrics. Frontiers in Neuroinformatics, 2013, 7, 2.   | 2.5 | 28        |
| 132 | Evaluation of pulmonary disease using static lung volumes in primary ciliary dyskinesia. Thorax, 2012, 67, 993-999.  | 5.6 | 31        |
| 133 | Innovative technologies and methodologies based on integration of virtual reality and wearable systems for psychological stress treatment. International Journal of Psychophysiology, 2012, 85, 402.   | 1.0 | 5         |
| 134 | A personal monitoring architecture to detect muscular fatigue in elderly. Neuromuscular Disorders, 2012, 22, S192-S197.  | 0.6 | 11        |
| 135 | Personal Health System architecture for stress monitoring and support to clinical decisions. Computer Communications, 2012, 35, 1296-1305.   | 5.1 | 68        |
| 136 | A Non Invasive, Wearable Sensor Platform for Multi-parametric Remote Monitoring in CHF Patients. Lecture Notes in Computer Science, 2012, , 140-147.   | 1.3 | 5         |
| 137 | Gait and Anthropometric Profile Biometrics: A Step Forward. The International Library of Ethics, Law and Technology, 2012, , 105-127.  | 0.4 | 3         |
| 138 | An Event-driven Psychophysiological Assessment for Health Care. , 2012, , .  |     | 1         |
| 139 | A system for automatic detection of momentary stress in naturalistic settings. Studies in Health Technology and Informatics, 2012, 181, 182-6.   | 0.3 | 10        |
| 140 | Monitoring Asthma Control in Children With Allergies by Soft Computing of Lung Function and Exhaled Nitric Oxide. Chest, 2011, 139, 319-327.   | 0.8 | 19        |
| 141 | A neuronâ€“astrocyte transistor-like model for neuromorphic dressed neurons. Neural Networks, 2011, 24, 679-685.   | 5.9 | 24        |
| 142 | Automated extraction and classification of dynamic metrical features of morphological development in dissociated Purkinje neurons. Journal of Neuroscience Methods, 2010, 185, 315-324.  | 2.5 | 5         |
| 143 | A wearable pervasive platform for the intelligent monitoring of muscular fatigue. , 2010, , .  |     | 7         |
| 144 | The FACE of autism. , 2010, , .  |     | 42        |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 145 | Interreality: The use of advanced technologies in the assessment and treatment of psychological stress. , 2010, , .   |     | 6         |
| 146 | A pervasive activity management and rehabilitation support system for the elderly. , 2010, , .  |     | 3         |
| 147 | Low-error approximation of artificial neuron sigmoid function and its derivative. Electronics Letters, 2009, 45, 1082.  | 1.0 | 8         |
| 148 | A Sensing Seat for Human Authentication. IEEE Transactions on Information Forensics and Security, 2009, 4, 451-459.   | 6.9 | 26        |
| 149 | Assessment and comparison of neural morphology through metrical feature extraction and analysis in neuron and neuronâ€™glia cultures. Journal of Biological Physics, 2009, 35, 447-464. | 1.5 | 5         |
| 150 | Special issue on neuronâ€™glia interactions. Journal of Biological Physics, 2009, 35, 311-315.  | 1.5 | 1         |
| 151 | Exhaled air temperature in asthmatic children: a mathematical evaluation. Pediatric Allergy and Immunology, 2009, 20, 164-171.  | 2.6 | 20        |
| 152 | Exhaled Breath Temperature: a key feature to discriminate asthmatic children. Pediatric Allergy and Immunology, 2009, 20, 202-203.  | 2.6 | 0         |
| 153 | Identifying major contributing sources to odour annoyance using a non-specific gas sensor array. Biosystems Engineering, 2009, 102, 305-312.  | 4.3 | 19        |
| 154 | Event Related Biometrics: Towards an Unobtrusive Sensing Seat System for Continuous Human Authentication. , 2009, , .   |     | 5         |
| 155 | Backpropagation-Based Non Linear PCA for Biomedical Applications. , 2009, , .   |     | 4         |
| 156 | An Ontology-Driven Multisensorial Platform to Enable Unobtrusive Human Monitoring and Independent Living. , 2009, , .   |     | 8         |
| 157 | Characterization of a carbon nanotube polymer composite sensor for an impedimetric electronic tongue. Mikrochimica Acta, 2008, 163, 57-62.  | 5.0 | 19        |
| 158 | Electroactive carbon nanotube actuators: Soft-lithographic fabrication and electro-chemical modelling. Materials Science and Engineering C, 2008, 28, 1057-1064.                        | 7.3 | 11        |
| 159 | Characterisation of humidity dependence of a metal oxide semiconductor sensor array using partial least squares. Sensors and Actuators B: Chemical, 2008, 131, 230-235.                 | 7.8 | 92        |
| 160 | Implementation of Fowler's method for end-tidal air sampling. Journal of Breath Research, 2008, 2, 037009.  | 3.0 | 36        |
| 161 | Assessment of bioinspired models for pattern recognition in biomimetic systems. Bioinspiration and Biomimetics, 2008, 3, 016004.  | 2.9 | 18        |
| 162 | Coexistence of amplitude and frequency modulations in intracellular calcium dynamics. Physical Review E, 2008, 77, 030903.  | 2.1 | 70        |

| #   | ARTICLE   | IF   | CITATIONS |
|-----|---|------|-----------|
| 163 | A BIOMIMETIC SENSING SKIN: CHARACTERIZATION OF PIEZORESISTIVE FABRIC-BASED ELASTOMERIC SENSORS. , 2008, , .   |      | 1         |
| 164 | DEVELOPMENT OF A SOLID STATE ANALYZER FOR BREATH ANALYSIS. , 2008, , .  |      | 0         |
| 165 | Development of a CO&lt;inf&gt;2&lt;/inf&gt; triggered alveolar air sampler. , 2007, , .   |      | 0         |
| 166 | Towards a Real-Time Transduction and Classification of Chemoresistive Sensor Array Signals. IEEE Sensors Journal, 2007, 7, 237-244.   | 4.7  | 8         |
| 167 | An Artificial Neural Network approach for Haptic Discrimination in Minimally Invasive Surgery. , 2007, , .  |      | 1         |
| 168 | Human-Robot Interaction in Autism: FACE, an Android-based Social Therapy. , 2007, , .   |      | 42        |
| 169 | All-organic electrochemical devices based on a tetracyanoquinodimethane complex. Solid-State Electronics, 2007, 51, 639-643.  | 1.4  | 4         |
| 170 | A composite sensor array impedentiometric electronic tonguePart II. Discrimination of basic tastes. Biosensors and Bioelectronics, 2007, 22, 2624-2628.   | 10.1 | 47        |
| 171 | Photosensitive heterojunctions of silicon coated with solâ€gel derived TiO2 dispersed in poly(3,4-ethylenedioxythiophene)/poly(styrenesulfonate). Journal of Sol-Gel Science and Technology, 2007, 43, 41-46. | 2.4  | 13        |
| 172 | A composite sensor array impedentiometric electronic tonguePart I. Characterization. Biosensors and Bioelectronics, 2007, 22, 2618-2623.  | 10.1 | 58        |
| 173 | Development of a sensing seat for human authentication. , 2007, , .   |      | 4         |
| 174 | Preparation and optical characterization of photosensitive multilayered structures based on polythiophenes and tetracyanoquinodimethane. Microelectronics Journal, 2006, 37, 1384-1388.                       | 2.0  | 3         |
| 175 | A processing architecture for associative short-term memory in electronic noses. Measurement Science and Technology, 2006, 17, 3066-3072.   | 2.6  | 2         |
| 176 | Preparation and characterization of conducting chemo-sensitive layers based on alkoxy-substituted polythiophenes. Measurement Science and Technology, 2006, 17, 3265-3271.                                    | 2.6  | 1         |
| 177 | A radially symmetric measurement chamber for electronic noses. Sensors and Actuators B: Chemical, 2005, 105, 295-303.   | 7.8  | 3         |
| 178 | A radially symmetric measurement chamber for electronic noses. Sensors and Actuators B: Chemical, 2005, 105, 295-303.   | 7.8  | 19        |
| 179 | An android for enhancing social skills and emotion recognition in people with autism. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2005, 13, 507-515.                                  | 4.9  | 85        |
| 180 | A high-performance measurement system for simultaneous mass and resistance variation measurements on gas sensing polymer films. Sensors and Actuators B: Chemical, 2005, 111-112, 193-199.                    | 7.8  | 8         |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 181 | FACE: Facial Automaton for Conveying Emotions. Applied Bionics and Biomechanics, 2004, 1, 91-100.  | 1.1 | 6         |
| 182 | FACE: facial automaton for conveying emotions. Applied Bionics and Biomechanics, 2004, 1, 91-100.  | 1.1 | 16        |
| 183 | DEVELOPMENT OF AN IMPEDENTIOMETRIC ELECTRONIC TONGUE. , 2004, , .  |     | 0         |
| 184 | Poly(alkoxy-bithiophenes) sensors for organic vapours. Sensors and Actuators B: Chemical, 2003, 88, 178-189.                             | 7.8 | 45        |
| 185 | A neural approach for improving the measurement capability of an electronic nose. Measurement Science and Technology, 2003, 14, 815-821. | 2.6 | 8         |
| 186 | Use of the dynamic response of QCM sensors to detect CO in presence of interferents. , 2003, , .   |     | 0         |
| 187 | <title>Importance of nonverbal expression to the emergence of emotive artificial intelligence systems</title>. , 2002, 4695, 403.        |     | 1         |
| 188 | Fluid dynamic simulation of a measurement chamber for electronic noses. Sensors and Actuators B: Chemical, 2002, 85, 166-174.            | 7.8 | 29        |
| 189 | Human-like android face equipped with EAP artificial muscles to endow expressivity. , 2001, 4329, 350.                                   |     | 1         |
| 190 | Androids: application of EAP as artificial muscles to entertainment industry. , 2001, 4329, 375.   |     | 10        |
| 191 | An electronic nose for odour annoyance assessment. Atmospheric Environment, 2001, 35, 1225-1234.   | 4.1 | 55        |
| 192 | An automatic olfactory system for the assessment of the quality of Spanish olive oils. , 2001, , 251-256.                                |     | 0         |
| 193 | A FFT PREPROCESSING ALGORITHM TO IMPROVE THE REPRODUCIBILITY OF GAS SENSORS SIGNALS. , 2000, , .   |     | 0         |
| 194 | EFFECT OF TEMPERATURE ON THE RECOGNITION PROPERTIES OF A CP-BASED ELECTRONIC NOSE. , 2000, , .   |     | 0         |
| 195 | SNIFFER: an electronic nose. , 0, , .  |     | 0         |
| 196 | Ubiquitous, Wearable, Mobile. , 0, , 996-1017.   |     | 1         |
| 197 | Affective Robot for Elderly Assistance. Frontiers in Neuroengineering, 0, 2, .   | 4.8 | 0         |