

Antonietta Messina

List of Publications by Year in descending order

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85
papers

2,865
citations

147566

31
h-index

197535

49
g-index

86
all docs

86
docs citations

86
times ranked

3670
citing authors

#	ARTICLE	IF	CITATIONS
1	Exercise Modifies the Gut Microbiota with Positive Health Effects. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-8.	1.9	326
2	Heart rate variability as predictive factor for sudden cardiac death. <i>Aging</i> , 2018, 10, 166-177.	1.4	186
3	Orexin System: The Key for a Healthy Life. <i>Frontiers in Physiology</i> , 2017, 8, 357.	1.3	142
4	Functional Role of Dietary Intervention to Improve the Outcome of COVID-19: A Hypothesis of Work. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3104.	1.8	129
5	Neuroprotective Effects of Physical Activity: Evidence from Human and Animal Studies. <i>Frontiers in Neurology</i> , 2017, 8, 188.	1.1	93
6	Orexin-A controls sympathetic activity and eating behavior. <i>Frontiers in Psychology</i> , 2014, 5, 997.	1.1	74
7	Exercise Influence on Hippocampal Function: Possible Involvement of Orexin-A. <i>Frontiers in Physiology</i> , 2017, 8, 85.	1.3	73
8	Basal Forebrain Cholinergic System and Orexin Neurons: Effects on Attention. <i>Frontiers in Behavioral Neuroscience</i> , 2017, 11, 10.	1.0	70
9	Long Feeding High-Fat Diet Induces Hypothalamic Oxidative Stress and Inflammation, and Prolonged Hypothalamic AMPK Activation in Rat Animal Model. <i>Frontiers in Physiology</i> , 2018, 9, 818.	1.3	70
10	COVID-19: Role of Nutrition and Supplementation. <i>Nutrients</i> , 2021, 13, 976.	1.7	67
11	Exercise increases the level of plasma orexin A in humans. <i>Journal of Basic and Clinical Physiology and Pharmacology</i> , 2016, 27, 611-616.	0.7	62
12	Osteopontin: Relation between Adipose Tissue and Bone Homeostasis. <i>Stem Cells International</i> , 2017, 2017, 1-6.	1.2	55
13	Resting energy expenditure and fat-free mass do not decline during aging in severely obese women. <i>Clinical Nutrition</i> , 2008, 27, 657-659.	2.3	49
14	Obesity and brain illness: from cognitive and psychological evidences to obesity paradox. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , 2017, Volume 10, 473-479.	1.1	47
15	Enhanced parasympathetic activity of sportive women is paradoxically associated to enhanced resting energy expenditure. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2012, 169, 102-106.	1.4	46
16	Anabolic androgenic steroids and carcinogenicity focusing on Leydig cell: a literature review. <i>Oncotarget</i> , 2018, 9, 19415-19426.	0.8	46
17	Heart rate variability is reduced in underweight and overweight healthy adult women. <i>Clinical Physiology and Functional Imaging</i> , 2017, 37, 162-167.	0.5	43
18	Effect of restriction vegan diet's on muscle mass, oxidative status, and myocytes differentiation: A pilot study. <i>Journal of Cellular Physiology</i> , 2018, 233, 9345-9353.	2.0	42

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19	Laterality of a second player position affects lateral deviation of basketball shooting. <i>Journal of Sports Sciences</i> , 2014, 32, 46-52.	1.0	41
20	Sympathetic and hyperthermic reactions by orexin A: Role of cerebral catecholaminergic neurons. <i>Regulatory Peptides</i> , 2007, 139, 39-44.	1.9	40
21	Olanzapine blocks the sympathetic and hyperthermic reactions due to cerebral injection of orexin A. <i>Peptides</i> , 2008, 29, 120-126.	1.2	40
22	Age-related differences in distractor interference on line bisection. <i>Experimental Brain Research</i> , 2014, 232, 3659-3664.	0.7	40
23	Activity of autonomic nervous system is related to body weight in pre-menopausal, but not in post-menopausal women. <i>Nutritional Neuroscience</i> , 2006, 9, 141-145.	1.5	37
24	Fast and low-cost analysis of heart rate variability reveals vegetative alterations in noncomplicated diabetic patients. <i>Journal of Diabetes and Its Complications</i> , 2009, 23, 119-123.	1.2	37
25	Role of Autonomic Nervous System and Orexinergic System on Adipose Tissue. <i>Frontiers in Physiology</i> , 2017, 8, 137.	1.3	36
26	Quetiapine lowers sympathetic and hyperthermic reactions due to cerebral injection of orexin A. <i>Neuropeptides</i> , 2006, 40, 357-363.	0.9	35
27	Mastication overload causes an increase in O ₂ production into the subnucleus oralis of the spinal trigeminal nucleus. <i>Neuroscience</i> , 2010, 166, 416-421.	1.1	35
28	Hormonal Changes in Menopause and Orexin-A Action. <i>Obstetrics and Gynecology International</i> , 2013, 2013, 1-5.	0.5	34
29	Flanker interference effects in a line bisection task. <i>Experimental Brain Research</i> , 2014, 232, 1327-1334.	0.7	34
30	Differences in corticospinal system activity and reaction response between karate athletes and non-athletes. <i>Neurological Sciences</i> , 2016, 37, 1947-1953.	0.9	34
31	Primary Motor Cortex Excitability in Karate Athletes: A Transcranial Magnetic Stimulation Study. <i>Frontiers in Physiology</i> , 2017, 8, 695.	1.3	33
32	Adiponectin and Orexin-A as a Potential Immunity Link Between Adipose Tissue and Central Nervous System. <i>Frontiers in Physiology</i> , 2018, 9, 982.	1.3	33
33	Sympathetic, Metabolic Adaptations, and Oxidative Stress in Autism Spectrum Disorders: How Far From Physiology?. <i>Frontiers in Physiology</i> , 2018, 9, 261.	1.3	32
34	Healthy lifestyle promotion in primary schools through the board game Kaledo: a pilot cluster randomized trial. <i>European Journal of Pediatrics</i> , 2018, 177, 1371-1375.	1.3	31
35	The Social Brain and Emotional Contagion: COVID-19 Effects. <i>Medicina (Lithuania)</i> , 2020, 56, 640.	0.8	31
36	Non-Rapid Eye Movement Sleep Parasomnias and Migraine: A Role of Orexinergic Projections. <i>Frontiers in Neurology</i> , 2018, 9, 95.	1.1	30

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37	Role of the Orexin System on the Hypothalamus-Pituitary-Thyroid Axis. <i>Frontiers in Neural Circuits</i> , 2016, 10, 66.	1.4	29
38	Functional Changes of Orexinergic Reaction to Psychoactive Substances. <i>Molecular Neurobiology</i> , 2018, 55, 6362-6368.	1.9	29
39	Quality of life in overweight (obese) and normal-weight women with polycystic ovary syndrome. <i>Patient Preference and Adherence</i> , 2017, Volume 11, 423-429.	0.8	28
40	Functional Assessment of Corticospinal System Excitability in Karate Athletes. <i>PLoS ONE</i> , 2016, 11, e0155998.	1.1	26
41	Relationship between blood lactate and cortical excitability between taekwondo athletes and non-athletes after hand-grip exercise. <i>Somatosensory & Motor Research</i> , 2016, 33, 137-144.	0.4	26
42	Role of Sex Hormones in the Control of Vegetative and Metabolic Functions of Middle-Aged Women. <i>Frontiers in Physiology</i> , 2017, 8, 773.	1.3	24
43	Milk from cows fed a diet with a high forage:concentrate ratio improves inflammatory state, oxidative stress, and mitochondrial function in rats. <i>Journal of Dairy Science</i> , 2018, 101, 1843-1851.	1.4	23
44	Cortical spreading depression produces a neuroprotective effect activating mitochondrial uncoupling protein-5. <i>Neuropsychiatric Disease and Treatment</i> , 2016, Volume 12, 1705-1710.	1.0	22
45	The Important Role of Adiponectin and Orexin-A, Two Key Proteins Improving Healthy Status: Focus on Physical Activity. <i>Frontiers in Physiology</i> , 2020, 11, 356.	1.3	22
46	Functional Changes Induced by Orexin A and Adiponectin on the Sympathetic/Parasympathetic Balance. <i>Frontiers in Physiology</i> , 2018, 9, 259.	1.3	21
47	The Metabolic Rearrangements of Bariatric Surgery: Focus on Orexin-A and the Adiponectin System. <i>Journal of Clinical Medicine</i> , 2020, 9, 3327.	1.0	19
48	Sports training and adaptive changes. <i>Sport Sciences for Health</i> , 2018, 14, 705-708.	0.4	18
49	Physiological Role of Orexinergic System for Health. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 8353.	1.2	18
50	Brain functional integration: an epidemiologic study on stress-producing dissociative phenomena. <i>Neuropsychiatric Disease and Treatment</i> , 2017, Volume 14, 11-19.	1.0	17
51	Maternal Stress and Coping Strategies in Developmental Dyslexia: An Italian Multicenter Study. <i>Frontiers in Psychiatry</i> , 2017, 8, 295.	1.3	16
52	Neurodevelopmental Disorders: Effect of High-Fat Diet on Synaptic Plasticity and Mitochondrial Functions. <i>Brain Sciences</i> , 2020, 10, 805.	1.1	15
53	Parachute Jumping Induces More Sympathetic Activation Than Cortisol Secretion in First-Time Parachutists. <i>Asian Journal of Sports Medicine</i> , 2016, 7, e26841.	0.1	15
54	What Does Personality Mean in the Context of Mental Health? A Topic Modeling Approach Based on Abstracts Published in Pubmed Over the Last 5 Years. <i>Frontiers in Psychiatry</i> , 2019, 10, 938.	1.3	14

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55	Attentional bias in the radial and vertical dimensions of space. <i>Comptes Rendus - Biologies</i> , 2019, 342, 97-100.	0.1	13
56	Transcranial Magnetic Stimulation as a Tool to Investigate Motor Cortex Excitability in Sport. <i>Brain Sciences</i> , 2021, 11, 432.	1.1	13
57	Obese Subjects without Eating Disorders Experience Binge Episodes Also Independently of Emotional Eating and Personality Traits among University Students of Southern Italy. <i>Brain Sciences</i> , 2021, 11, 1145.	1.1	13
58	Role of Vitamin E and the Orexin System in Neuroprotection. <i>Brain Sciences</i> , 2021, 11, 1098.	1.1	13
59	Executive Functions in Overweight and Obese Treatment-Seeking Patients: Cross-Sectional Data and Longitudinal Perspectives. <i>Brain Sciences</i> , 2022, 12, 777.	1.1	13
60	Effects of low-carbohydrate diet therapy in overweight subject with autoimmune thyroiditis: possible synergism with ChREBP. <i>Drug Design, Development and Therapy</i> , 2016, Volume 10, 2939-2946.	2.0	12
61	The Use of Velocity Information in Movement Reproduction. <i>Frontiers in Psychology</i> , 2017, 8, 983.	1.1	12
62	Modafinil and orexin system interactions and medico-legal considerations. <i>Frontiers in Bioscience - Landmark</i> , 2019, 24, 564-575.	3.0	12
63	Memory for Spatial Locations in a Patient with Near Space Neglect and Optic Ataxia: Involvement of the Occipitotemporal Stream. <i>Frontiers in Neurology</i> , 2017, 8, 231.	1.1	11
64	The Role of Very Low Calorie Ketogenic Diet in Sympathetic Activation through Cortisol Secretion in Male Obese Population. <i>Journal of Clinical Medicine</i> , 2021, 10, 4230.	1.0	11
65	Influence of Football on Physiological Cardiac Indexes in Professional and Young Athletes. <i>Frontiers in Physiology</i> , 2018, 9, 153.	1.3	10
66	Improvement of Bone Physiology and Life Quality Due to Association of Risedronate and Anastrozole. <i>Frontiers in Pharmacology</i> , 2017, 8, 632.	1.6	9
67	Antidoping program: an important factor in the promotion and protection of the integrity of sport and athlete's health. <i>Journal of Sports Medicine and Physical Fitness</i> , 2018, 58, 1135-1145.	0.4	9
68	Neuropeptidesâ€™ Hypothalamic Regulation of Sleep Control in Children Affected by Functional Non-Retentive Fecal Incontinence. <i>Brain Sciences</i> , 2020, 10, 129.	1.1	9
69	Hemispheric Asymmetries in Radial Line Bisection: Role of Retinotopic and Spatiotopic Factors. <i>Frontiers in Psychology</i> , 2018, 9, 2200.	1.1	8
70	Volatile organic compounds: instrumental and canine detections link an individual to the crime scene. <i>Egyptian Journal of Forensic Sciences</i> , 2019, 9, .	0.4	8
71	ICV injection of orexin A induces synthesis of total RNA and mRNA encoding preorexin in various cerebral regions of the rat. <i>Journal of Thermal Biology</i> , 2006, 31, 527-532.	1.1	6
72	Manual asymmetry for temporal and spatial parameters in sensorimotor synchronization. <i>Experimental Brain Research</i> , 2017, 235, 1511-1518.	0.7	6

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73	Inhibition of aldose-reductase-2 by a benzofuroxane derivative bf-5m increases the expression of kcne1, kcnq1 in high glucose cultured H9c2 cardiac cells and sudden cardiac death. <i>Oncotarget</i> , 2018, 9, 17257-17269.	0.8	6
74	Telmisartan cardioprotects from the ischaemic/hypoxic damage through a miRâ€1â€dependent pathway. <i>Journal of Cellular and Molecular Medicine</i> , 2019, 23, 6635-6645.	1.6	6
75	Heart Rate Variability and Sympathetic Activity Is Modulated by Very Low-Calorie Ketogenic Diet. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 2253.	1.2	5
76	Autoalgometry: An Important Tool for Pressure Pain Threshold Evaluation. <i>Journal of Clinical Medicine</i> , 2018, 7, 273.	1.0	4
77	Stress Profile in Remotely Piloted Aircraft Crewmembers During 2 h Operating Mission. <i>Frontiers in Physiology</i> , 2018, 9, 461.	1.3	4
78	Very Low-Calorie Ketogenic Diet Modulates the Autonomic Nervous System Activity through Salivary Amylase in Obese Population Subjects. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 8475.	1.2	3
79	Physical activity as protective factor against COVID-19 disease. , 0, , .		2
80	An Assessment of Body Composition and Lifestyle in Children Aged from 8 to 10 years. <i>Biology and Medicine (Aligarh)</i> , 2016, 08, .	0.3	2
81	Orexin system increases energy expenditure by brown adipose tissue activity. <i>National Journal of Physiology, Pharmacy and Pharmacology</i> , 2017, , 1.	0.0	2
82	The Rorschach Test Evaluation in Chronic Childhood Migraine: A Preliminary Multicenter Caseâ€Control Study. <i>Frontiers in Neurology</i> , 2017, 8, 680.	1.1	1
83	Immune system and physical activity. , 0, , .		1
84	The Beneficial Effects of Physical Activity in Lung Cancer Prevention and/or Treatment. <i>Life</i> , 2022, 12, 782.	1.1	1
85	Functional evaluation of the diabetic athlete: Role of the sports doctor. , 0, , .		0