

# Marco Milanese

## List of Publications by Year in descending order

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105  
papers

3,505  
citations

156536

32  
h-index

169272

56  
g-index

109  
all docs

109  
docs citations

109  
times ranked

5391  
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental Evaluation of a Full-Scale HVAC System Working with Nanofluid. <i>Energies</i> , 2022, 15, 2902.	1.6	5
2	Poor and Wealthy Children in Post-Medieval Sardinia (16th-20th Century).. , 2021, , 143-152.		0
3	Development of a High-Flux Solar Simulator for Experimental Testing of High-Temperature Applications. <i>Energies</i> , 2021, 14, 3124.	1.6	7
4	Numerical Evaluation of a HVAC System Based on a High-Performance Heat Transfer Fluid. <i>Energies</i> , 2021, 14, 3298.	1.6	10
5	Progresses in Analytical Design of Distribution Grids and Energy Storage. <i>Energies</i> , 2021, 14, 4270.	1.6	3
6	A Critical Review of Experimental Investigations about Convective Heat Transfer Characteristics of Nanofluids under Turbulent and Laminar Regimes with a Focus on the Experimental Setup. <i>Energies</i> , 2021, 14, 6004.	1.6	12
7	Dental health in adults and subadults from the 16th-century plague cemetery of Alghero (Sardinia,) Tj ETQq1 1 0.784314 rgBJ /Overlo	0.8	4
8	Abnormal Upregulation of GPR17 Receptor Contributes to Oligodendrocyte Dysfunction in SOD1 G93A Mice. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2395.	1.8	36
9	In-cylinder soot concentration measurement by Neural Network Two Colour technique (NNTC) on a GDI engine. <i>Combustion and Flame</i> , 2020, 217, 331-345.	2.8	7
10	A multistationary loop model of ALS unveils critical molecular interactions involving mitochondria and glucose metabolism. <i>PLoS ONE</i> , 2020, 15, e0244234.	1.1	8
11	Altered glucose catabolism in the presynaptic and perisynaptic compartments of SOD1 <sup>G93A</sup> mouse spinal cord and motor cortex indicates that mitochondria are the site of bioenergetic imbalance in ALS. <i>Journal of Neurochemistry</i> , 2019, 151, 336-350.	2.1	24
12	Enhanced Function and Overexpression of Metabotropic Glutamate Receptors 1 and 5 in the Spinal Cord of the SOD1G93A Mouse Model of Amyotrophic Lateral Sclerosis during Disease Progression. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4552.	1.8	13
13	In-vivo genetic ablation of metabotropic glutamate receptor type 5 slows down disease progression in the SOD1G93A mouse model of amyotrophic lateral sclerosis. <i>Neurobiology of Disease</i> , 2019, 129, 79-92.	2.1	15
14	Experimental validation of horizontal air-ground heat exchangers (HAGHE) for ventilation systems. <i>Geothermics</i> , 2019, 80, 78-85.	1.5	34
15	Chronic mild stress induces anhedonic behavior and changes in glutamate release, BDNF trafficking and dendrite morphology only in stress vulnerable rats. The rapid restorative action of ketamine. <i>Neurobiology of Stress</i> , 2019, 10, 100160.	1.9	77
16	Experimental investigation on high-temperature hydrothermal carbonization of olive pomace in batch reactor. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	7
17	Experimental setup for low temperature thermal conductivity analysis of micro and nano suspensions. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	0
18	Numerical method for wind energy analysis in WTC siting. <i>Renewable Energy</i> , 2019, 136, 202-210.	4.3	6

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19	Effect of injection strategies on particulate matter structures of a turbocharged GDI engine. Fuel, 2019, 237, 413-428.	3.4	21
20	Energy simulation of a nanofluid solar cooling system in Italy. Proceedings of the Institution of Civil Engineers: Engineering Sustainability, 2019, 172, 32-39.	0.4	4
21	A critical analysis of clustering phenomenon in Al <sub>2</sub> O <sub>3</sub> nanofluids. Journal of Thermal Analysis and Calorimetry, 2019, 135, 371-377.	2.0	31
22	Thermal conductivity difference between nanofluids and micro-fluids: Experimental data and theoretical analysis using mass difference scattering. Thermal Science, 2019, 23, 3797-3807.	0.5	1
23	Characterization of the Mitochondrial Aerobic Metabolism in the Pre- and Perisynaptic Districts of the SOD1G93A Mouse Model of Amyotrophic Lateral Sclerosis. Molecular Neurobiology, 2018, 55, 9220-9233.	1.9	20
24	Metals in bones of the middle-aged inhabitants of Sardinia island (Italy) to assess nutrition and environmental exposure. Environmental Science and Pollution Research, 2018, 25, 8404-8414.	2.7	9
25	Altered Intracellular Calcium Homeostasis Underlying Enhanced Glutamatergic Transmission in Striatal-Enriched Tyrosine Phosphatase (STEP) Knockout Mice. Molecular Neurobiology, 2018, 55, 8084-8102.	1.9	7
26	Experimental investigation on 4-strokes biodiesel engine cooling system based on nanofluid. Renewable Energy, 2018, 125, 319-326.	4.3	18
27	<sc>S</sc>ox2 conditional mutation in mouse causes ataxic symptoms, cerebellar vermis hypoplasia, and postnatal defects of <sc>B</sc>ergmann glia. Glia, 2018, 66, 1929-1946.	2.5	28
28	Numerical Analysis of a Solar Air Preheating Coal Combustion System for Power Generation. Journal of Energy Engineering - ASCE, 2018, 144, .	1.0	7
29	Modeling of double-loop fluidized bed solar reactor for efficient thermochemical fuel production. Solar Energy Materials and Solar Cells, 2017, 160, 174-181.	3.0	14
30	Multi-parameter optimization of double-loop fluidized bed solar reactor for thermochemical fuel production. Energy, 2017, 134, 919-932.	4.5	5
31	Numerical method for wind energy analysis applied to Apulia Region, Italy. Energy, 2017, 128, 1-10.	4.5	13
32	Numerical Optimization of SPR Sensors for Lube Oil Real-Time Optical Characterization in Large 2-Stroke Marine Diesel Engines. Energy Procedia, 2017, 126, 1075-1082.	1.8	4
33	In-vivo effects of knocking-down metabotropic glutamate receptor 5 in the SOD1 mouse model of amyotrophic lateral sclerosis. Neuropharmacology, 2017, 123, 433-445.	2.0	30
34	Experimental investigation of transparent parabolic trough collector based on gas-phase nanofluid. Applied Energy, 2017, 203, 560-570.	5.1	95
35	Experimental Measurements of Al <sub>2</sub> O <sub>3</sub> and CuO Nanofluids Interaction with Microwaves. Journal of Energy Engineering - ASCE, 2017, 143, 04016045.	1.0	20
36	Prophylactic versus Therapeutic Fingolimod: Restoration of Presynaptic Defects in Mice Suffering from Experimental Autoimmune Encephalomyelitis. PLoS ONE, 2017, 12, e0170825.	1.1	34

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37	Numerical simulation of thermal efficiency of an innovative Al <sub>2</sub> O <sub>3</sub> nanofluid solar thermal collector: Influence of nanoparticles concentration. <i>Thermal Science</i> , 2017, 21, 2769-2779.	0.5	49
38	Bonifacio (Corse du Sud). Centre historique de Bonifacio. <i>Archeologie Medievale</i> , 2017, , 144.	0.0	0
39	Acute Footshock Stress Induces Time-Dependent Modifications of AMPA/NMDA Protein Expression and AMPA Phosphorylation. <i>Neural Plasticity</i> , 2016, 2016, 1-10.	1.0	27
40	Posterior Arch Defect of the Atlas Associated to Absence of Costal Element of Foramen Transversarium from 16th-Century Sardinia (Italy). <i>Spine</i> , 2016, 41, 182-184.	1.0	1
41	An explanation of the Al <sub>2</sub> O <sub>3</sub> nanofluid thermal conductivity based on the phonon theory of liquid. <i>Energy</i> , 2016, 116, 786-794.	4.5	101
42	Altered mechanisms underlying the abnormal glutamate release in amyotrophic lateral sclerosis at a pre-symptomatic stage of the disease. <i>Neurobiology of Disease</i> , 2016, 95, 122-133.	2.1	25
43	An investigation of layering phenomenon at the liquid–solid interface in Cu and CuO based nanofluids. <i>International Journal of Heat and Mass Transfer</i> , 2016, 103, 564-571.	2.5	103
44	Colocalization of neurotransmitter transporters on the plasma membrane of the same nerve terminal may reflect cotransmission. <i>Brain Research Bulletin</i> , 2016, 127, 100-110.	1.4	5
45	Thermal conductivity, viscosity and stability of Al <sub>2</sub> O <sub>3</sub> -diathermic oil nanofluids for solar energy systems. <i>Energy</i> , 2016, 95, 124-136.	4.5	166
46	Differential expression of metabotropic glutamate and GABA receptors at neocortical glutamatergic and GABAergic axon terminals. <i>Frontiers in Cellular Neuroscience</i> , 2015, 9, 345.	1.8	12
47	Experimental test of an innovative high concentration nanofluid solar collector. <i>Applied Energy</i> , 2015, 154, 874-881.	5.1	101
48	Real time oil control by surface plasmon resonance transduction methodology. <i>Sensors and Actuators A: Physical</i> , 2015, 223, 97-104.	2.0	14
49	Review of heat transfer in nanofluids: Conductive, convective and radiative experimental results. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 43, 1182-1198.	8.2	205
50	Exocytosis regulates trafficking of GABA and glycine heterotransporters in spinal cord glutamatergic synapses: a mechanism for the excessive heterotransporter-induced release of glutamate in experimental amyotrophic lateral sclerosis. <i>Neurobiology of Disease</i> , 2015, 74, 314-324.	2.1	22
51	Pharmacological characterization of N-methyl-d-aspartic acid (NMDA)-like receptors in the single-celled organism <i>Paramecium primaurelia</i> . <i>Journal of Experimental Biology</i> , 2014, 217, 463-71.	0.8	10
52	Recovery of a Medieval <i>Brucella melitensis</i> Genome Using Shotgun Metagenomics. <i>MBio</i> , 2014, 5, e01337-14.	1.8	67
53	High efficiency nanofluid cooling system for wind turbines. <i>Thermal Science</i> , 2014, 18, 543-554.	0.5	48
54	Numerical Study of Anaerobic Digestion System for Olive Pomace and Mill Wastewater. <i>Energy Procedia</i> , 2014, 45, 141-149.	1.8	11

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55	Broad spectrum and prolonged efficacy of dimiracetam in models of neuropathic pain. <i>Neuropharmacology</i> , 2014, 81, 85-94.	2.0	9
56	Proteomic Analysis of Gliosomes from Mouse Brain: Identification and Investigation of Glial Membrane Proteins. <i>Journal of Proteome Research</i> , 2014, 13, 5918-5927.	1.8	35
57	A Case of Brachymetatarsia From Medieval Sardinia (Italy). <i>Anatomical Record</i> , 2014, 297, 650-652.	0.8	1
58	A new function for glycine GlyT2 transporters: Stimulation of $\text{[}^3\text{H]}\alpha\text{-aminobutyric acid}$ release from cerebellar nerve terminals through GAT1 transporter reversal and $\text{Ca}^{2+}$ -dependent anion channels. <i>Journal of Neuroscience Research</i> , 2014, 92, 398-408.	1.3	12
59	Knocking down metabotropic glutamate receptor 1 improves survival and disease progression in the SOD1G93A mouse model of amyotrophic lateral sclerosis. <i>Neurobiology of Disease</i> , 2014, 64, 48-59.	2.1	42
60	Diabetic neuropathic pain: a role for testosterone metabolites. <i>Journal of Endocrinology</i> , 2014, 221, 1-13.	1.2	76
61	Fluoxetine in adulthood normalizes GABA release and rescues hippocampal synaptic plasticity and spatial memory in a mouse model of Down Syndrome. <i>Neurobiology of Disease</i> , 2014, 63, 12-19.	2.1	56
62	CCL5-glutamate interaction in central nervous system: Early and acute presynaptic defects in EAE mice. <i>Neuropharmacology</i> , 2013, 75, 337-346.	2.0	25
63	Synthesis and evaluation of resins bearing substrate-like inhibitor functions for capturing copper amine oxidases. <i>Polymer Journal</i> , 2013, 45, 1146-1152.	1.3	2
64	Modelling and optimization of transparent parabolic trough collector based on gas-phase nanofluids. <i>Renewable Energy</i> , 2013, 58, 134-139.	4.3	116
65	Chronic treatment with agomelatine or venlafaxine reduces depolarization-evoked glutamate release from hippocampal synaptosomes. <i>BMC Neuroscience</i> , 2013, 14, 75.	0.8	31
66	Novel phage display-derived neuroblastoma-targeting peptides potentiate the effect of drug nanocarriers in preclinical settings. <i>Journal of Controlled Release</i> , 2013, 170, 233-241.	4.8	41
67	Group I metabotropic glutamate autoreceptors induce abnormal glutamate exocytosis in a mouse model of amyotrophic lateral sclerosis. <i>Neuropharmacology</i> , 2013, 66, 253-263.	2.0	39
68	Neurounina-1, a Novel Compound That Increases $\text{Na}^{+}/\text{Ca}^{2+}$ Exchanger Activity, Effectively Protects against Stroke Damage. <i>Molecular Pharmacology</i> , 2013, 83, 142-156.	1.0	39
69	Fluoxetine treatment promotes functional recovery in a rat model of cervical spinal cord injury. <i>Scientific Reports</i> , 2013, 3, 2217.	1.6	20
70	The P2X7 receptor as a route for non-exocytotic glutamate release: dependence on the carboxyl tail. <i>Journal of Neurochemistry</i> , 2013, 124, 821-831.	2.1	32
71	Impairment of Neuronal Glutamate Uptake and Modulation of the Glutamate Transporter GLT-1 Induced by Retinal Ischemia. <i>PLoS ONE</i> , 2013, 8, e69250.	1.1	23
72	Intravenous Mesenchymal Stem Cells Improve Survival and Motor Function in Experimental Amyotrophic Lateral Sclerosis. <i>Molecular Medicine</i> , 2012, 18, 794-804.	1.9	135

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73	Numerical Simulation of CSP Based on Nanorectenna Technology. , 2012, , .		0
74	Enriched experience and recovery from amblyopia in adult rats: Impact of motor, social and sensory components. <i>Neuropharmacology</i> , 2012, 62, 2388-2397.	2.0	107
75	Unusual increase in lumbar network excitability of the rat spinal cord evoked by the PARP-1 inhibitor PJ-34 through inhibition of glutamate uptake. <i>Neuropharmacology</i> , 2012, 63, 415-426.	2.0	13
76	Increased [ <sup>3</sup> H]D-Aspartate release and changes in glutamate receptor expression in the hippocampus of the <i>md</i> mouse. <i>Journal of Neuroscience Research</i> , 2012, 90, 1148-1158.	1.3	4
77	Environmental enrichment decreases GABAergic inhibition and improves cognitive abilities, synaptic plasticity, and visual functions in a mouse model of Down syndrome. <i>Frontiers in Cellular Neuroscience</i> , 2011, 5, 29.	1.8	76
78	Wind and Wave Study for Off-Shore Wind Farm Applications. , 2011, , .		0
79	Abnormal exocytotic release of glutamate in a mouse model of amyotrophic lateral sclerosis. <i>Journal of Neurochemistry</i> , 2011, 116, 1028-1042.	2.1	63
80	The endocannabinoid system in rat gliosomes and its role in the modulation of glutamate release. <i>Cellular and Molecular Life Sciences</i> , 2011, 68, 833-845.	2.4	17
81	Experimental and Fluid-dynamic Analysis of a Micro Wind Turbine in Urban Area. , 2011, , .		1
82	12. Fouilles r�centes dans la juhar m�di�vale d'Alghero en Sardaigne. , 2011, , 153-160.		1
83	Blockade of stress-induced increase of glutamate release in the rat prefrontal/frontal cortex by agomelatine involves synergy between melatonergic and 5-HT <sub>2C</sub> receptor-dependent pathways. <i>BMC Neuroscience</i> , 2010, 11, 68.	0.8	50
84	<i>In vitro</i> activation of GAT1 transporters expressed in spinal cord gliosomes stimulates glutamate release that is abnormally elevated in the SOD1/G93A(+) mouse model of amyotrophic lateral sclerosis. <i>Journal of Neurochemistry</i> , 2010, 113, 489-501.	2.1	42
85	Acute Stress Increases Depolarization-Evoked Glutamate Release in the Rat Prefrontal/Frontal Cortex: The Dampening Action of Antidepressants. <i>PLoS ONE</i> , 2010, 5, e8566.	1.1	217
86	Adaptive Modifications in the Calpain/Calpastatin System in Brain Cells after Persistent Alteration in Ca <sup>2+</sup> Homeostasis. <i>Journal of Biological Chemistry</i> , 2010, 285, 631-643.	1.6	39
87	The GABAergic-like system in the cyprid of <i>Balanus amphitrite</i> (=Amphibalanus amphitrite) (Cirripedia). <i>Tj</i> 11: 1078-1088.	0.8	1
88	Cognitive impairment in Gdi1-deficient mice is associated with altered synaptic vesicle pools and short-term synaptic plasticity, and can be corrected by appropriate learning training. <i>Human Molecular Genetics</i> , 2009, 18, 105-117.	1.4	50
89	Desmethylclomipramine induces the accumulation of autophagy markers by blocking autophagic flux. <i>Journal of Cell Science</i> , 2009, 122, 3330-3339.	1.2	121
90	Chapter 21 Glutamate Release from Astrocytic Gliosomes under Physiological and Pathological Conditions. <i>International Review of Neurobiology</i> , 2009, 85, 295-318.	0.9	20

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91	Release of [3H]d-aspartate induced by K <sup>+</sup> -stimulation is increased in the cervical spinal cord of the wobbler mouse: a model of motor neuron disease. <i>Neurochemistry International</i> , 2009, 55, 302-306.	1.9	5
92	Functional expression of release-regulating glycine transporters GLYT1 on GABAergic neurons and GLYT2 on astrocytes in mouse spinal cord. <i>Neurochemistry International</i> , 2008, 52, 103-112.	1.9	51
93	The High-Mobility Group Box 1 Cytokine Induces Transporter-Mediated Release of Glutamate from Glial Subcellular Particles (Gliosomes) Prepared from in Situ-Matured Astrocytes. <i>International Review of Neurobiology</i> , 2007, 82, 73-93.	0.9	16
94	Mechanisms of glutamate release elicited in rat cerebrocortical nerve endings by <sup>+</sup> pathologically <sup>+</sup> elevated extraterminal K <sup>+</sup> concentrations. <i>Journal of Neurochemistry</i> , 2007, 103, 952-961.	2.1	51
95	Adult astroglia is competent for Na <sup>+</sup> /Ca <sup>2+</sup> exchanger-operated exocytotic glutamate release triggered by mild depolarization. <i>Journal of Neurochemistry</i> , 2007, 103, 1196-1207.	2.1	71
96	Evaluation of industrial sources' contribution to PM10 concentrations over a coastal area. <i>WIT Transactions on Ecology and the Environment</i> , 2007, , .	0.0	0
97	Stimulation of excitatory amino acid release from adult mouse brain glia subcellular particles by high mobility group box 1 protein. <i>Journal of Neurochemistry</i> , 2006, 99, 827-838.	2.1	72
98	Numerical study of the extrusion process in cereals production: Part I. Fluid-dynamic analysis of the extrusion system. <i>Journal of Food Engineering</i> , 2006, 73, 103-111.	2.7	26
99	Numerical study of the extrusion process in cereals production: Part II. Analysis of variance. <i>Journal of Food Engineering</i> , 2006, 72, 179-188.	2.7	15
100	The Transformation of the Ancient Towns in Central Tunisia during the Islamic Period: The Example of Uchi Maius. <i>Al-Masaq: Islam and the Medieval Mediterranean</i> , 2002, 14, 33-45.	0.1	28
101	Scavi nell'oppidum preromando di Genova (Genova-S. Silvestro 1). <i>American Journal of Archaeology</i> , 1991, 95, 753.	0.1	0
102	Performance Optimization of Building Integrated-Mounted Wind Turbine. <i>Applied Mechanics and Materials</i> , 0, 260-261, 69-76.	0.2	1
103	Optical Absorption Measurements at High Temperature (500 Â°C) of Oxide Nanoparticles for Application as Gas-Based Nanofluid in Solar Thermal Collector Systems. <i>Advanced Materials Research</i> , 0, 773, 80-86.	0.3	7
104	Development of common rail lube oil injector for large two-stroke marine diesel engines. <i>International Journal of Engine Research</i> , 0, , 146808742110080.	1.4	1
105	Congreso Internacional ArqueologÃa Postmedieval en Italia. Antecedentes y perspectivas. <i>ArqueologÃa Y Territorio Medieval</i> , 0, 2, 266-269.	0.0	0