

# Giuseppe Caruso

## List of Publications by Year in descending order

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Version: 2024-02-01

69  
papers

2,553  
citations

159585

30  
h-index

233421

45  
g-index

74  
all docs

74  
docs citations

74  
times ranked

2728  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Path Toward Precision Medicine for Neuroinflammatory Mechanisms in Alzheimer's Disease. <i>Frontiers in Immunology</i> , 2020, 11, 456.	4.8	201
2	Neurobiological links between depression and AD: The role of TGF- $\beta$ 1 signaling as a new pharmacological target. <i>Pharmacological Research</i> , 2018, 130, 374-384.	7.1	126
3	Carnosine Prevents A $\beta$ -Induced Oxidative Stress and Inflammation in Microglial Cells: A Key Role of TGF- $\beta$ 1. <i>Cells</i> , 2019, 8, 64.	4.1	87
4	Phenolic Acids and Prevention of Cognitive Decline: Polyphenols with a Neuroprotective Role in Cognitive Disorders and Alzheimer's Disease. <i>Nutrients</i> , 2022, 14, 819.	4.1	82
5	Early discharge after transfemoral transcatheter aortic valve implantation. <i>Heart</i> , 2015, 101, 1485-1490.	2.9	80
6	Modulation of Pro-Oxidant and Pro-Inflammatory Activities of M1 Macrophages by the Natural Dipeptide Carnosine. <i>International Journal of Molecular Sciences</i> , 2020, 21, 776.	4.1	77
7	Pivotal role of carnosine in the modulation of brain cells activity: Multimodal mechanism of action and therapeutic potential in neurodegenerative disorders. <i>Progress in Neurobiology</i> , 2019, 175, 35-53.	5.7	72
8	Polyphenols and neuroprotection: Therapeutic implications for cognitive decline. , 2022, 232, 108013.		71
9	Antioxidant Therapies in Traumatic Brain Injury. <i>Antioxidants</i> , 2020, 9, 260.	5.1	65
10	Carnosine modulates nitric oxide in stimulated murine RAW 264.7 macrophages. <i>Molecular and Cellular Biochemistry</i> , 2017, 431, 197-210.	3.1	61
11	Non-toxic engineered carbon nanodiamond concentrations induce oxidative/nitrosative stress, imbalance of energy metabolism, and mitochondrial dysfunction in microglial and alveolar basal epithelial cells. <i>Cell Death and Disease</i> , 2018, 9, 245.	6.3	61
12	Fluoxetine and Vortioxetine Reverse Depressive-Like Phenotype and Memory Deficits Induced by A $\beta$ 1-42 Oligomers in Mice: A Key Role of Transforming Growth Factor- $\beta$ 1. <i>Frontiers in Pharmacology</i> , 2019, 10, 693.	3.5	60
13	Carnosine Decreases PMA-Induced Oxidative Stress and Inflammation in Murine Macrophages. <i>Antioxidants</i> , 2019, 8, 281.	5.1	56
14	A New Human Blood-Retinal Barrier Model Based on Endothelial Cells, Pericytes, and Astrocytes. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1636.	4.1	54
15	The role of copper in the aggregation of human amylin. <i>Metallomics</i> , 2014, 6, 1841-1852.	2.4	51
16	Inflammation as the Common Biological Link Between Depression and Cardiovascular Diseases: Can Carnosine Exert a Protective Role?. <i>Current Medicinal Chemistry</i> , 2020, 27, 1782-1800.	2.4	46
17	Identification of Adjuvant Activity of Amphotericin B in a Novel, Multiplexed, Poly-TLR/NLR High-Throughput Screen. <i>PLoS ONE</i> , 2016, 11, e0149848.	2.5	44
18	Water- and Fat-Soluble Antioxidants in Human Seminal Plasma and Serum of Fertile Males. <i>Antioxidants</i> , 2019, 8, 96.	5.1	43

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19	An Integrated Microfluidic Device for Monitoring Changes in Nitric Oxide Production in Single T-Lymphocyte (Jurkat) Cells. <i>Analytical Chemistry</i> , 2013, 85, 10188-10195.	6.5	42
20	Monitoring carnosine uptake by RAW 264.7 macrophage cells using microchip electrophoresis with fluorescence detection. <i>Analytical Methods</i> , 2017, 9, 402-408.	2.7	42
21	Structure-Based Design of Human TLR8-Specific Agonists with Augmented Potency and Adjuvanticity. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 7833-7849.	6.4	39
22	The Many Faces of Mitochondrial Dysfunction in Depression: From Pathology to Treatment. <i>Frontiers in Pharmacology</i> , 2019, 10, 995.	3.5	39
23	The Therapeutic Potential of Carnosine/Anserine Supplementation against Cognitive Decline: A Systematic Review with Meta-Analysis. <i>Biomedicines</i> , 2021, 9, 253.	3.2	39
24	$\beta$ -amyloid and Oxidative Stress: Perspectives in Drug Development. <i>Current Pharmaceutical Design</i> , 2020, 25, 4771-4781.	1.9	37
25	Monitoring intracellular nitric oxide production using microchip electrophoresis and laser-induced fluorescence detection. <i>Analytical Methods</i> , 2012, 4, 414.	2.7	36
26	Low-molecular weight compounds in human seminal plasma as potential biomarkers of male infertility. <i>Human Reproduction</i> , 2018, 33, 1817-1828.	0.9	36
27	Microchip electrophoresis with laser-induced fluorescence detection for the determination of the ratio of nitric oxide to superoxide production in macrophages during inflammation. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 4529-4538.	3.7	35
28	Receptor-mediated toxicity of human amylin fragment aggregated by short- and long-term incubations with copper ions. <i>Molecular and Cellular Biochemistry</i> , 2017, 425, 85-93.	3.1	35
29	Indirect detection of superoxide in RAW 264.7 macrophage cells using microchip electrophoresis coupled to laser-induced fluorescence. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 7003-7012.	3.7	33
30	Identification of a Human Toll-Like Receptor (TLR) 8-Specific Agonist and a Functional Pan-TLR Inhibitor in 2-Aminoimidazoles. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 3311-3330.	6.4	33
31	Antioxidant Properties of Second-Generation Antipsychotics: Focus on Microglia. <i>Pharmaceuticals</i> , 2020, 13, 457.	3.8	33
32	The Role of Dielectrophoresis for Cancer Diagnosis and Prognosis. <i>Cancers</i> , 2022, 14, 198.	3.7	33
33	Association between Time Restricted Feeding and Cognitive Status in Older Italian Adults. <i>Nutrients</i> , 2021, 13, 191.	4.1	32
34	Antidepressant Drugs and Physical Activity: A Possible Synergism in the Treatment of Major Depression?. <i>Frontiers in Psychology</i> , 2020, 11, 857.	2.1	30
35	Microchip electrophoresis with amperometric detection method for profiling cellular nitrosative stress markers. <i>Analyst</i> , 2014, 139, 3265-3273.	3.5	29
36	Chitosan Coated Microparticles Enhance Simvastatin Colon Targeting and Pro-Apoptotic Activity. <i>Marine Drugs</i> , 2020, 18, 226.	4.6	29

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37	Rescue of Noradrenergic System as a Novel Pharmacological Strategy in the Treatment of Chronic Pain: Focus on Microglia Activation. <i>Frontiers in Pharmacology</i> , 2019, 10, 1024.	3.5	28
38	Carnosine Protects Macrophages against the Toxicity of A $\beta$ 1-42 Oligomers by Decreasing Oxidative Stress. <i>Biomedicines</i> , 2021, 9, 477.	3.2	27
39	The Encapsulation of Febuxostat into Emulsomes Strongly Enhances the Cytotoxic Potential of the Drug on HCT 116 Colon Cancer Cells. <i>Pharmaceutics</i> , 2020, 12, 956.	4.5	23
40	Microfluidics as a Novel Tool for Biological and Toxicological Assays in Drug Discovery Processes: Focus on Microchip Electrophoresis. <i>Micromachines</i> , 2020, 11, 593.	2.9	22
41	Antioxidant Activity of Fluoxetine and Vortioxetine in a Non-Transgenic Animal Model of Alzheimer's Disease. <i>Frontiers in Pharmacology</i> , 2021, 12, 809541.	3.5	22
42	Melittin and diclofenac synergistically promote wound healing in a pathway involving TGF- $\beta$ 1. <i>Pharmacological Research</i> , 2022, 175, 105993.	7.1	20
43	Cytotoxic and Pro-Apoptotic Effects of a Sub-Toxic Concentration of Fluvastatin on OVCAR3 Ovarian Cancer Cells After its Optimized Formulation to Melittin Nano-Conjugates. <i>Frontiers in Pharmacology</i> , 2020, 11, 642171.	3.5	19
44	Improving Cognition with Nutraceuticals Targeting TGF- $\beta$ 1 Signaling. <i>Antioxidants</i> , 2021, 10, 1075.	5.1	19
45	The Therapeutic Potential of Carnosine as an Antidote against Drug-Induced Cardiotoxicity and Neurotoxicity: Focus on Nrf2 Pathway. <i>Molecules</i> , 2022, 27, 4452.	3.8	19
46	Optimization of a microchip electrophoresis method with electrochemical detection for the determination of nitrite in macrophage cells as an indicator of nitric oxide production. <i>Analytical Methods</i> , 2019, 11, 148-156.	2.7	18
47	Dihydrotanshinone, a Natural Diterpenoid, Preserves Blood-Retinal Barrier Integrity via P2X7 Receptor. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9305.	4.1	17
48	Ceftriaxone and Melittin Synergistically Promote Wound Healing in Diabetic Rats. <i>Pharmaceutics</i> , 2021, 13, 1622.	4.5	17
49	$\beta$ -Secretase1 biological markers for Alzheimer's disease: state-of-art of validation and qualification. <i>Alzheimer's Research and Therapy</i> , 2020, 12, 130.	6.2	16
50	New antipsychotic drugs for the treatment of agitation and psychosis in Alzheimer's disease: focus on brexpiprazole and pimavanserin. <i>F1000Research</i> , 2020, 9, 686.	1.6	16
51	Evaluation of the Antiviral Activity of Sitagliptin-Glatiramer Acetate Nano-Conjugates against SARS-CoV-2 Virus. <i>Pharmaceutics</i> , 2021, 14, 178.	3.8	14
52	Altered Follicular Fluid Metabolic Pattern Correlates with Female Infertility and Outcome Measures of In Vitro Fertilization. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8735.	4.1	14
53	How Does Contraceptive Use Affect Women's Sexuality? A Novel Look at Sexual Acceptability. <i>Journal of Clinical Medicine</i> , 2022, 11, 810.	2.4	14
54	Unveiling the Hidden Therapeutic Potential of Carnosine, a Molecule with a Multimodal Mechanism of Action: A Position Paper. <i>Molecules</i> , 2022, 27, 3303.	3.8	14

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55	Sub-Toxic Human Amylin Fragment Concentrations Promote the Survival and Proliferation of SH-SY5Y Cells via the Release of VEGF and HspB5 from Endothelial RBE4 Cells. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3659.	4.1	13
56	Neuroprotective Effect of Carnosine Is Mediated by Insulin-Degrading Enzyme. <i>ACS Chemical Neuroscience</i> , 2022, , .	3.5	13
57	Different Modulatory Effects of Four Methicillin-Resistant <i>Staphylococcus aureus</i> Clones on MG-63 Osteoblast-Like Cells. <i>Biomolecules</i> , 2021, 11, 72.	4.0	12
58	Piceatannol-Loaded Bilosome-Stabilized Zein Protein Exhibits Enhanced Cytostatic and Apoptotic Activities in Lung Cancer Cells. <i>Pharmaceutics</i> , 2021, 13, 638.	4.5	11
59	The Multimodal MOPr/DOPr Agonist LP2 Reduces Allodynia in Chronic Constriction Injured Rats by Rescue of TGF- $\beta$ 1 Signalling. <i>Frontiers in Pharmacology</i> , 2021, 12, 749365.	3.5	11
60	Oncological Response and Predictive Biomarkers for the Checkpoint Inhibitors in Castration-Resistant Metastatic Prostate Cancer: A Systematic Review and Meta-Analysis. <i>Journal of Personalized Medicine</i> , 2022, 12, 8.	2.5	10
61	Feasibility and predictors of early discharge after percutaneous edge-to-edge mitral valve repair. <i>Heart</i> , 2017, 103, 931-936.	2.9	7
62	Uncharacterized RNAs in Plasma of Alzheimer's Patients Are Associated with Cognitive Impairment and Show a Potential Diagnostic Power. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7644.	4.1	7
63	Updates on Molecular and Biochemical Development and Progression of Prostate Cancer. <i>Journal of Clinical Medicine</i> , 2021, 10, 5127.	2.4	7
64	Dietary Phytoestrogen Intake and Cognitive Status in Southern Italian Older Adults. <i>Biomolecules</i> , 2022, 12, 760.	4.0	7
65	Fructose-1,6-Bisphosphate Protects Hippocampal Rat Slices from NMDA Excitotoxicity. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2239.	4.1	6
66	<i>Staphylococcus aureus</i> ST228 and ST239 as models for expression studies of diverse markers during osteoblast infection and persistence. <i>MicrobiologyOpen</i> , 2021, 10, e1178.	3.0	6
67	Lung Surfactant Decreases Biochemical Alterations and Oxidative Stress Induced by a Sub-Toxic Concentration of Carbon Nanoparticles in Alveolar Epithelial and Microglial Cells. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2694.	4.1	3
68	Adverse Events and Tolerability of Combined Durvalumab and Tremelimumab versus Durvalumab Alone in Solid Cancers: A Systematic Review and Meta-Analysis. <i>Biomedicines</i> , 2022, 10, 1101.	3.2	3
69	Development of an Icaritin-Loaded Bilosome-Melittin Formulation with Improved Anticancer Activity against Cancerous Pancreatic Cells. <i>Pharmaceutics</i> , 2021, 14, 1309.	3.8	2