

# Sergio Davinelli

## List of Publications by Year in descending order

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Version: 2024-02-01

80  
papers

2,968  
citations

172457

29  
h-index

175258

52  
g-index

81  
all docs

81  
docs citations

81  
times ranked

4712  
citing authors

#	ARTICLE	IF	CITATIONS
1	Immunosenescence and Its Hallmarks: How to Oppose Aging Strategically? A Review of Potential Options for Therapeutic Intervention. <i>Frontiers in Immunology</i> , 2019, 10, 2247.	4.8	463
2	Astaxanthin in Skin Health, Repair, and Disease: A Comprehensive Review. <i>Nutrients</i> , 2018, 10, 522.	4.1	277
3	Antioxidants as Antidepressants. <i>CNS Drugs</i> , 2012, 26, 477-490.	5.9	144
4	A Randomized Clinical Trial Evaluating the Efficacy of an Anthocyaninâ€“Maqui Berry Extract (Delphinol�) on Oxidative Stress Biomarkers. <i>Journal of the American College of Nutrition</i> , 2015, 34, 28-33.	1.8	117
5	Influence of equol and resveratrol supplementation on health-related quality of life in menopausal women: A randomized, placebo-controlled study. <i>Maturitas</i> , 2017, 96, 77-83.	2.4	95
6	Dietary phytochemicals and neuro-inflammaging: from mechanistic insights to translational challenges. <i>Immunity and Ageing</i> , 2016, 13, 16.	4.2	90
7	Pleiotropic Protective Effects of Phytochemicals in Alzheimer's Disease. <i>Oxidative Medicine and Cellular Longevity</i> , 2012, 2012, 1-11.	4.0	87
8	Cocoa Polyphenols and Gut Microbiota Interplay: Bioavailability, Prebiotic Effect, and Impact on Human Health. <i>Nutrients</i> , 2020, 12, 1908.	4.1	84
9	Cocoa Bioactive Compounds: Significance and Potential for the Maintenance of Skin Health. <i>Nutrients</i> , 2014, 6, 3202-3213.	4.1	75
10	Polyphenols as Caloric Restriction Mimetics Regulating Mitochondrial Biogenesis and Mitophagy. <i>Trends in Endocrinology and Metabolism</i> , 2020, 31, 536-550.	7.1	68
11	Extending healthy ageing: nutrient sensitive pathway and centenarian population. <i>Immunity and Ageing</i> , 2012, 9, 9.	4.2	64
12	The potential nutrigenoprotective role of Mediterranean diet and its functional components on telomere length dynamics. <i>Ageing Research Reviews</i> , 2019, 49, 1-10.	10.9	60
13	Dietary Phytochemicals in Neuroimmunoaging: A New Therapeutic Possibility for Humans?. <i>Frontiers in Pharmacology</i> , 2016, 7, 364.	3.5	59
14	Enhancement of mitochondrial biogenesis with polyphenols: combined effects of resveratrol and equol in human endothelial cells. <i>Immunity and Ageing</i> , 2013, 10, 28.	4.2	58
15	Sex hormonal regulation and hormesis in aging and longevity: role of vitagenes. <i>Journal of Cell Communication and Signaling</i> , 2014, 8, 369-384.	3.4	57
16	Nutrigerontology: a key for achieving successful ageing and longevity. <i>Immunity and Ageing</i> , 2016, 13, 17.	4.2	55
17	Anti-inflammatory effects of H2S during acute bacterial infection: a review. <i>Journal of Translational Medicine</i> , 2017, 15, 100.	4.4	55
18	Caloric Restriction Mimetics in Nutrition and Clinical Trials. <i>Frontiers in Nutrition</i> , 2021, 8, 717343.	3.7	52

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19	Short-term supplementation with flavanol-rich cocoa improves lipid profile, antioxidant status and positively influences the AA/EPA ratio in healthy subjects. <i>Journal of Nutritional Biochemistry</i> , 2018, 61, 33-39.	4.2	43
20	Sulfur compounds block MCP-1 production by <i>Mycoplasma fermentans</i> -infected macrophages through NF- $\kappa$ B inhibition. <i>Journal of Translational Medicine</i> , 2014, 12, 145.	4.4	41
21	Effects of a new combination of plant extracts plus-mannose for the management of uncomplicated recurrent urinary tract infections. <i>Journal of Chemotherapy</i> , 2018, 30, 107-114.	1.5	41
22	Phenolic Plant Extracts Induce Sirt1 Activity and Increase Antioxidant Levels in the Rabbit's Heart and Liver. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-10.	4.0	40
23	Inter-relationships between Gender, Frailty and 10-Year Survival in Older Italian Adults: an observational longitudinal study. <i>Scientific Reports</i> , 2019, 9, 18416.	3.3	40
24	Cytoprotective Polyphenols Against Chronological Skin Aging and Cutaneous Photodamage. <i>Current Pharmaceutical Design</i> , 2018, 24, 99-105.	1.9	38
25	Influence of gut microbiota on eye diseases: an overview. <i>Annals of Medicine</i> , 2021, 53, 750-761.	3.8	38
26	Cardioprotection by Cocoa Polyphenols and $\omega$ -3 Fatty Acids: A Disease-Prevention Perspective on Aging-Associated Cardiovascular Risk. <i>Journal of Medicinal Food</i> , 2018, 21, 1060-1069.	1.5	37
27	Carotenoids and Cognitive Outcomes: A Meta-Analysis of Randomized Intervention Trials. <i>Antioxidants</i> , 2021, 10, 223.	5.1	37
28	Epigenetic nutraceutical diets in Alzheimer's disease. <i>Journal of Nutrition, Health and Aging</i> , 2014, 18, 800-805.	3.3	36
29	Astaxanthin as a Putative Geroprotector: Molecular Basis and Focus on Brain Aging. <i>Marine Drugs</i> , 2020, 18, 351.	4.6	35
30	Astaxanthin as a Modulator of Nrf2, NF- $\kappa$ B, and Their Crosstalk: Molecular Mechanisms and Possible Clinical Applications. <i>Molecules</i> , 2022, 27, 502.	3.8	34
31	Polyphenols: a Promising Nutritional Approach to Prevent or Reduce the Progression of Prehypertension. <i>High Blood Pressure and Cardiovascular Prevention</i> , 2016, 23, 197-202.	2.2	30
32	Dose response biology of resveratrol in obesity. <i>Journal of Cell Communication and Signaling</i> , 2014, 8, 385-391.	3.4	29
33	Synergistic Effect of L-Carnosine and EGCG in the Prevention of Physiological Brain Aging. <i>Current Pharmaceutical Design</i> , 2013, 19, 2722-2727.	1.9	29
34	Altered expression pattern of Nrf2/HO-1 axis during accelerated-senescence in HIV-1 transgenic rat. <i>Biogerontology</i> , 2014, 15, 449-461.	3.9	27
35	Cytoprotective Effects of Citicoline and Homotaurine against Glutamate and High Glucose Neurotoxicity in Primary Cultured Retinal Cells. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-7.	4.0	27
36	Astaxanthin from Shrimp Cephalothorax Stimulates the Immune Response by Enhancing IFN- $\gamma$ , IL-10, and IL-2 Secretion in Splenocytes of <i>Helicobacter Pylori</i> -Infected Mice. <i>Marine Drugs</i> , 2019, 17, 382.	4.6	26

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37	Interactions between dietary polyphenols and aging gut microbiota: A review. <i>BioFactors</i> , 2022, 48, 274-284.	5.4	24
38	Bioactive Compounds of <i>Aristotelia chilensis</i> Stuntz and their Pharmacological Effects. <i>Current Pharmaceutical Biotechnology</i> , 2016, 17, 513-523.	1.6	24
39	Metabolic indices of polyunsaturated fatty acids: current evidence, research controversies, and clinical utility. <i>Critical Reviews in Food Science and Nutrition</i> , 2021, 61, 259-274.	10.3	22
40	Exploring the Impact of Flavonoids on Symptoms of Depression: A Systematic Review and Meta-Analysis. <i>Antioxidants</i> , 2021, 10, 1644.	5.1	20
41	Toxin levels in different variety of potatoes: Alarming contents of $\hat{1}\pm$ -chaconine. <i>Phytochemistry Letters</i> , 2016, 16, 103-107.	1.2	19
42	The "Alzheimer's disease signature": potential perspectives for novel biomarkers. <i>Immunity and Ageing</i> , 2011, 8, 7.	4.2	17
43	Relationship Between Distance Run Per Week, Omega-3 Index, and Arachidonic Acid (AA)/Eicosapentaenoic Acid (EPA) Ratio: An Observational Retrospective Study in Non-elite Runners. <i>Frontiers in Physiology</i> , 2019, 10, 487.	2.8	17
44	Targeting Metabolic Consequences of Insulin Resistance in Polycystic Ovary Syndrome by D-chiro-inositol and Emerging Nutraceuticals: A Focused Review. <i>Journal of Clinical Medicine</i> , 2020, 9, 987.	2.4	16
45	Muscle Uncoupling Protein 3 Expression Is Unchanged by Chronic Ephedrine/Caffeine Treatment: Results of a Double Blind, Randomised Clinical Trial in Morbidly Obese Females. <i>PLoS ONE</i> , 2014, 9, e98244.	2.5	14
46	Involvement of ELAV RNA-binding proteins in the post-transcriptional regulation of HO-1. <i>Frontiers in Cellular Neuroscience</i> , 2014, 8, 459.	3.7	14
47	Frailty syndrome: A target for functional nutrients?. <i>Mechanisms of Ageing and Development</i> , 2021, 195, 111441.	4.6	14
48	Crosslinked Hyaluronic Acid with Liposomes and Crocin Confers Cytoprotection in an Experimental Model of Dry Eye. <i>Molecules</i> , 2021, 26, 849.	3.8	13
49	Effects of Flavonoid Supplementation on Common Eye Disorders: A Systematic Review and Meta-Analysis of Clinical Trials. <i>Frontiers in Nutrition</i> , 2021, 8, 651441.	3.7	13
50	Effect of Tocilizumab in Reducing the Mortality Rate in COVID-19 Patients: A Systematic Review with Meta-Analysis. <i>Journal of Personalized Medicine</i> , 2021, 11, 628.	2.5	13
51	Healthy ageing and Mediterranean diet: A focus on hormetic phytochemicals. <i>Mechanisms of Ageing and Development</i> , 2021, 200, 111592.	4.6	13
52	Evaluation of new strategies to reduce the total content of $\hat{1}\pm$ -solanine and $\hat{1}\pm$ -chaconine in potatoes. <i>Phytochemistry Letters</i> , 2018, 23, 116-119.	1.2	12
53	Cardioprotective Effects of Dietary Phytochemicals on Oxidative Stress in Heart Failure by a Sex-Gender-Oriented Point of View. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-20.	4.0	11
54	Melatonin: Implications for Ocular Disease and Therapeutic Potential. <i>Current Pharmaceutical Design</i> , 2019, 25, 4185-4191.	1.9	11

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55	Effect of omega-3 fatty acids on the telomere length: A mini meta-analysis of clinical trials. <i>Biomolecular Concepts</i> , 2022, 13, 25-33.	2.2	11
56	Sex Differences in Cardiovascular Diseases: A Matter of Estrogens, Ceramides, and Sphingosine 1-Phosphate. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4009.	4.1	10
57	The Phenotypic Characterization of the Cammalleri Sisters, an Example of Exceptional Longevity. <i>Rejuvenation Research</i> , 2020, 23, 476-484.	1.8	9
58	Andrographis Paniculata shows anti-nociceptive effects in an animal model of sensory hypersensitivity associated with migraine. <i>Functional Neurology</i> , 2016, 31, 53-60.	1.3	9
59	Cutaneous Photoprotective Activity of a Short-term Ingestion of High-Flavanol Cocoa: A Nutritional Intervention Study. <i>Photochemistry and Photobiology</i> , 2019, 95, 1029-1034.	2.5	8
60	<i>In vitro</i> antimicrobial activity of ozonated oil in liposome eyedrop against multidrug-resistant bacteria. <i>Open Medicine (Poland)</i> , 2022, 17, 1057-1063.	1.3	6
61	Lifestyle Choices, Psychological Stress and Their Impact on Ageing: The Role of Telomeres. , 2019, , 135-148.		5
62	Preliminary In Vitro Studies on <i>Corynebacterium urealyticum</i> Pathogenetic Mechanisms, a Possible Candidate for Chronic Idiopathic Prostatitis?. <i>Microorganisms</i> , 2020, 8, 463.	3.6	5
63	Molecular Biomarkers of Aging. , 0, , .		5
64	Assessment of the Diagnostic Performance of a Novel SARS-CoV-2 Antigen Sealing Tube Test Strip (Colloidal Gold) as Point-of-Care Surveillance Test. <i>Diagnostics</i> , 2022, 12, 1279.	2.6	5
65	Thermal Waters and the Hormetic Effects of Hydrogen Sulfide on Inflammatory Arthritis and Wound Healing. , 2019, , 121-126.		4
66	CHAPTER 12. Inflammaging, Oxidative Stress and Carnosine: Role of Hormetic Vitagenes. <i>Food and Nutritional Components in Focus</i> , 2015, , 238-256.	0.1	3
67	The Pharma-Nutritional Role of Antioxidant Phytochemicals in Health and Disease. <i>Antioxidants</i> , 2022, 11, 1081.	5.1	3
68	Lifespan and Healthspan Extension by Nutraceuticals: An Overview. , 2019, , 169-179.		2
69	Omega-3 Index and AA/EPA ratio as biomarkers of running-related injuries: An observational study in recreational runners. <i>European Journal of Sport Science</i> , 2023, 23, 134-142.	2.7	2
70	Neuroprotective Mechanisms of Dietary Phytochemicals. , 2016, , 251-261.		1
71	Identification of Premature Senescence Cells in the Brain of the HIV-1 Transgenic Rat (HIV-TG Rat). <i>Microscopy and Microanalysis</i> , 2018, 24, 1290-1291.	0.4	1
72	<i>Silybum marianum</i> : not Just Silymarin and Flavonolignans-. <i>Records of Natural Products</i> , 2021, 15, 243-253.	1.3	1

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73	Antimicrobial Effect and Antioxidant Activity of Triterpenes Isolated from <i>Gymnema sylvestre</i> R. Br.. <i>Records of Natural Products</i> , 2020, 14, 210-213.	1.3	1
74	Determination of n-3 index and arachidonic acid/eicosapentaenoic acid ratio in dried blood spot by gas chromatography. <i>BioTechniques</i> , 2022, 73, 25-33.	1.8	1
75	Association Between Beta-Carotene Supplementation and Mortality: A Systematic Review and Meta-Analysis of Randomized Controlled Trials. <i>Frontiers in Medicine</i> , 0, 9, .	2.6	1
76	Iron, Metabolic Syndrome, and Hormesis. , 2014, , 112-125.		0
77	Effects of Weekly Running Volume on Polyunsaturated Fatty Acid Metabolism: An Observational Study in Non-elite Marathon Runners (P08-100-19). <i>Current Developments in Nutrition</i> , 2019, 3, nzz044.P08-100-19.	0.3	0
78	Mediterranean diet, inflammation, and telomere length maintenance. , 2020, , 357-362.		0
79	Nutritional biomarkers in aging research. , 2021, , 295-317.		0
80	Editorial: Dietary Strategies for Healthy Aging—Caloric Restriction and Beyond. <i>Frontiers in Nutrition</i> , 2022, 9, 866928.	3.7	0