Carmela R Balistreri

List of Publications by Citations

137 papers	3,467 citations	32 h-index	53 g-index
153 ext. papers	3,989 ext. citations	4.6 avg, IF	5.22 L-index

#	Paper	IF	Citations
137	Inflammatory networks in ageing, age-related diseases and longevity. *Mechanisms of Ageing and Development*, **2007**, 128, 83-91	5.6	374
136	The role of adipose tissue and adipokines in obesity-related inflammatory diseases. *Mediators of Inflammation*, **2010**, 2010, 802078	4.3	277
135	TLR4 polymorphisms and ageing: implications for the pathophysiology of age-related diseases. *Journal of Clinical Immunology*, **2009**, 29, 406-15	5.7	105
134	Immunogenetics, gender, and longevity. *Annals of the New York Academy of Sciences*, **2006**, 1089, 516-37	6.5	91
133	Inflammation, genes and zinc in Alzheimer's disease. *Brain Research Reviews*, **2008**, 58, 96-105		88
132	Granulocyte and natural killer activity in the elderly. *Mechanisms of Ageing and Development*, **1999**, 108, 25-38	5.6	83
131	Prognostic value of IL-6 and IL-10 serum levels and immunonutritional assessment in determining postoperative complications after geriatric surgery. *BMC Geriatrics*, **2009**, 9, A92	4.1	78
130	Biology of longevity: role of the innate immune system. *Rejuvenation Research*, **2006**, 9, 143-8	2.6	78
129	Role of Toll-like receptor 4 in acute myocardial infarction and longevity. *JAMA - Journal of the American Medical Association*, **2004**, 292, 2339-40	27.4	67
128	Vascular ageing and endothelial cell senescence: Molecular mechanisms of physiology and diseases. *Mechanisms of Ageing and Development*, **2016**, 159, 14-21	5.6	65
127	Diabetic microangiopathy: Pathogenetic insights and novel therapeutic approaches. *Vascular Pharmacology*, **2017**, 90, 1-7	5.9	64
126	NF-B pathway activators as potential ageing biomarkers: targets for new therapeutic strategies. *Immunity and Ageing*, **2013**, 10, 24	9.7	64
125	Apoptosis and ageing. *Mechanisms of Ageing and Development*, **1998**, 102, 221-37	5.6	61
124	Association between the polymorphisms of TLR4 and CD14 genes and Alzheimer's disease. *Current Pharmaceutical Design*, **2008**, 14, 2672-7	3.3	55
123	Are Endothelial Progenitor Cells the Real Solution for Cardiovascular Diseases? Focus on Controversies and Perspectives. *BioMed Research International*, **2015**, 2015, 835934	3	52
122	Inflammation, longevity, and cardiovascular diseases: role of polymorphisms of TLR4. *Annals of the New York Academy of Sciences*, **2006**, 1067, 282-7	6.5	50
121	Association between the MHC class I gene HFE polymorphisms and longevity: a study in Sicilian population. *Genes and Immunity*, **2002**, 3, 20-4	4.4	50

120	CCR5 receptor: biologic and genetic implications in age-related diseases. *Annals of the New York Academy of Sciences*, **2007**, 1100, 162-72	6.5	46
119	The emerging role of Notch pathway in ageing: Focus on the related mechanisms in age-related diseases. *Ageing Research Reviews*, **2016**, 29, 50-65	12	46
118	Immunosenescence and anti-immunosenescence therapies: the case of probiotics. *Rejuvenation Research*, **2008**, 11, 425-32	2.6	45
117	Association between the HFE mutations and unsuccessful ageing: a study in Alzheimer's disease patients from Northern Italy. *Mechanisms of Ageing and Development*, **2003**, 124, 525-8	5.6	41
116	Cardiovascular Disease in Ageing: An Overview on Thoracic Aortic Aneurysm as an Emerging Inflammatory Disease. *Mediators of Inflammation*, **2017**, 2017, 1274034	4.3	40
115	Genetics of longevity. data from the studies on Sicilian centenarians. *Immunity and Ageing*, **2012**, 9, 8	9.7	40
114	Focus on the unique mechanisms involved in thoracic aortic aneurysm formation in bicuspid aortic valve versus tricuspid aortic valve patients: clinical implications of a pilot study. *European Journal of Cardio-thoracic Surgery*, **2013**, 43, e180-6	3	38
113	Histological and genetic studies in patients with bicuspid aortic valve and ascending aorta complications. *Interactive Cardiovascular and Thoracic Surgery*, **2012**, 14, 300-6	1.8	37
112	Age-related inflammatory diseases: role of genetics and gender in the pathophysiology of Alzheimer's disease. *Annals of the New York Academy of Sciences*, **2006**, 1089, 472-86	6.5	37
111	Polymorphisms of pro-inflammatory genes and prostate cancer risk: a pharmacogenomic approach. *Cancer Immunology, Immunotherapy*, **2009**, 58, 1919-33	7.4	36
110	A pilot study on prostate cancer risk and pro-inflammatory genotypes: pathophysiology and therapeutic implications. *Current Pharmaceutical Design*, **2010**, 16, 718-24	3.3	35
109	Polymorphisms of pro-inflammatory genes and Alzheimer's disease risk: a pharmacogenomic approach. *Mechanisms of Ageing and Development*, **2007**, 128, 67-75	5.6	35
108	Toll-like receptor-4 signaling pathway in aorta aging and diseases: "its double nature". *Journal of Molecular and Cellular Cardiology*, **2017**, 110, 38-53	5.8	33
107	Can the TLR-4-mediated signaling pathway be "a key inflammatory promoter for sporadic TAA"?. *Mediators of Inflammation*, **2014**, 2014, 349476	4.3	32
106	Cellular and molecular basis of the imbalance between vascular damage and repair in ageing and age-related diseases: As biomarkers and targets for new treatments. *Mechanisms of Ageing and Development*, **2016**, 159, 22-30	5.6	31
105	Association between the HFE mutations and longevity: a study in Sardinian population. *Mechanisms of Ageing and Development*, **2003**, 124, 529-32	5.6	30
104	Deregulation of Notch1 pathway and circulating endothelial progenitor cell (EPC) number in patients with bicuspid aortic valve with and without ascending aorta aneurysm. *Scientific Reports*, **2018**, 8, 13834	4.9	30
103	Double negative (CD19+IgG+IgD-CD27-) B lymphocytes: a new insight from telomerase in healthy elderly, in centenarian offspring and in Alzheimer's disease patients. *Immunology Letters*, **2014**, 162, 303-9	4.1	29

102	Impact of Sex Differences and Diabetes on Coronary Atherosclerosis and Ischemic Heart Disease. *Journal of Clinical Medicine*, **2019**, 8,	5.1	28
101	Gender-related immune-inflammatory factors, age-related diseases, and longevity. *Rejuvenation Research*, **2010**, 13, 292-7	2.6	28
100	Role of polymorphisms of CC-chemokine receptor-5 gene in acute myocardial infarction and biological implications for longevity. *Haematologica*, **2008**, 93, 637-8	6.6	28
99	Pharmacogenomics: a tool to prevent and cure coronary heart disease. *Current Pharmaceutical Design*, **2007**, 13, 3726-34	3.3	28
98	Frequency of the HFE gene mutations in five Italian populations. *Blood Cells, Molecules, and Diseases*, **2002**, 29, 267-73	2.1	28
97	Genetic contribution in sporadic thoracic aortic aneurysm? Emerging evidence of genetic variants related to TLR-4-mediated signaling pathway as risk determinants. *Vascular Pharmacology*, **2015**, 74, 1-10	5.9	27
96	Major histocompatibility complex and sporadic Alzheimer's disease: a critical reappraisal. *Experimental Gerontology*, **2004**, 39, 645-52	4.5	27
95	CCR5 proinflammatory allele in prostate cancer risk: a pilot study in patients and centenarians from Sicily. *Annals of the New York Academy of Sciences*, **2009**, 1155, 289-92	6.5	26
94	Role of TLR4 receptor polymorphisms in Boutonneuse fever. *International Journal of Immunopathology and Pharmacology*, **2005**, 18, 655-60	3	26
93	Diabetic macroangiopathy: Pathogenetic insights and novel therapeutic approaches with focus on high glucose-mediated vascular damage. *Vascular Pharmacology*, **2018**,	5.9	25
92	Opposite role of pro-inflammatory alleles in acute myocardial infarction and longevity: results of studies performed in a Sicilian population. *Annals of the New York Academy of Sciences*, **2006**, 1067, 270-5	6.5	25
91	Pro-inflammatory genetic markers of atherosclerosis. *Current Atherosclerosis Reports*, **2013**, 15, 329	6	24
90	LPS-mediated production of pro/anti-inflammatory cytokines and eicosanoids in whole blood samples: biological effects of +896A/G TLR4 polymorphism in a Sicilian population of healthy subjects. *Mechanisms of Ageing and Development*, **2011**, 132, 86-92	5.6	24
89	Pro-inflammatory gene variants in myocardial infarction and longevity: implications for pharmacogenomics. *Current Pharmaceutical Design*, **2008**, 14, 2678-85	3.3	23
88	Association between the HLA-A2 allele and Alzheimer disease. *Rejuvenation Research*, **2006**, 9, 99-101	2.6	23
87	Association between +1059G/C CRP polymorphism and acute myocardial infarction in a cohort of patients from Sicily: a pilot study. *Annals of the New York Academy of Sciences*, **2006**, 1067, 276-81	6.5	23
86	Is the mean blood leukocyte telomere length a predictor for sporadic thoracic aortic aneurysm? Data from a preliminary study. *Rejuvenation Research*, **2012**, 15, 170-3	2.6	22
85	Role of TLR4 polymorphisms in inflammatory responses: implications for unsuccessful aging. *Annals of the New York Academy of Sciences*, **2007**, 1119, 203-7	6.5	20

84	Role of genetic polymorphisms in myocardial infarction at young age. *Clinical Hemorheology and Microcirculation*, **2010**, 46, 291-8	2.5	19
83	Pro-inflammatory genetic background and zinc status in old atherosclerotic subjects. *Ageing Research Reviews*, **2008**, 7, 306-18	12	19
82	Association between the polymorphism of CCR5 and Alzheimer's disease: results of a study performed on male and female patients from Northern Italy. *Annals of the New York Academy of Sciences*, **2006**, 1089, 454-61	6.5	18
81	Polymorphisms of an innate immune gene, toll-like receptor 4, and aggressive prostate cancer risk: a systematic review and meta-analysis. *PLoS ONE*, **2014**, 9, e110569	3.7	17
80	Effects of in vitro treatment with fluticasone propionate on natural killer and lymphokine-induced killer activity in asthmatic and healthy individuals. *Allergy: European Journal of Allergy and Clinical Immunology*, **2001**, 56, 323-7	9.3	17
79	Centenarian offspring: a model for understanding longevity. *Current Vascular Pharmacology*, **2014**, 12, 718-25	3.3	17
78	Diagnostic and Prognostic Relevance of Red Blood Cell Distribution Width for Vascular Aging and Cardiovascular Diseases. *Rejuvenation Research*, **2019**, 22, 146-162	2.6	16
77	Connexin37 1019 gene polymorphism in myocardial infarction patients and centenarians. *Atherosclerosis*, **2007**, 191, 460-1	3.1	16
76	An overview of the molecular mechanisms underlying development and progression of bicuspid aortic valve disease. *Journal of Molecular and Cellular Cardiology*, **2019**, 132, 146-153	5.8	15
75	Role of proinflammatory alleles in longevity and atherosclerosis: results of studies performed on -1562C/T MMP-9 in centenarians and myocardial infarction patients from Sicily. *Annals of the New York Academy of Sciences*, **2006**, 1089, 496-501	6.5	15
74	Genotyping of sex hormone-related pathways in benign and malignant human prostate tissues: data of a preliminary study. *OMICS A Journal of Integrative Biology*, **2011**, 15, 369-74	3.8	14
73	PECAM-1/CD31 in infarction and longevity. *Annals of the New York Academy of Sciences*, **2007**, 1100, 132-9	6.5	14
72	In vitro treatment with interleukin-2 normalizes type-1 cytokine production by lymphocytes from elderly. *Immunopharmacology and Immunotoxicology*, **2000**, 22, 195-203	3.2	14
71	Penn classification in acute aortic dissection patients. *Acta Cardiologica*, **2016**, 71, 235-240	0.9	13
70	Evidences of +896 A/G TLR4 polymorphism as an indicative of prevalence of complications in T2DM patients. *Mediators of Inflammation*, **2014**, 2014, 973139	4.3	13
69	Association between HFE mutations and acute myocardial infarction: a study in patients from Northern and Southern Italy. *Blood Cells, Molecules, and Diseases*, **2003**, 31, 57-62	2.1	13
68	Developmental programming of adult haematopoiesis system. *Ageing Research Reviews*, **2019**, 54, 100918	12	12
67	Anti-ageing gene therapy: Not so far away?. *Ageing Research Reviews*, **2019**, 56, 100977	12	12

66	Prostate cancer: from the pathophysiologic implications of some genetic risk factors to translation in personalized cancer treatments. *Cancer Gene Therapy*, **2014**, 21, 2-11	5.4	12
65	TLR2 and age-related diseases: potential effects of Arg753Gln and Arg677Trp polymorphisms in acute myocardial infarction. *Rejuvenation Research*, **2008**, 11, 293-6	2.6	12
64	Anti-Inflamm-Ageing and/or Anti-Age-Related Disease Emerging Treatments: A Historical Alchemy or Revolutionary Effective Procedures?. *Mediators of Inflammation*, **2018**, 2018, 3705389	4.3	12
63	Are the leukocyte telomere length attrition and telomerase activity alteration potential predictor biomarkers for sporadic TAA in aged individuals?. *Age*, **2014**, 36, 9700		11
62	Interleukin-5 production by mononuclear cells from aged individuals: implication for autoimmunity. *Mechanisms of Ageing and Development*, **1999**, 106, 297-304	5.6	11
61	SARS CoV2 infection _The longevity study perspectives. *Ageing Research Reviews*, **2021**, 67, 101299	12	11
60	Pathological implications of Th1/Th2 cytokine genetic variants in Behçet's disease: Data from a pilot study in a Sicilian population. *Biochemical Genetics*, **2013**, 51, 967-75	2.4	10
59	Role of TGF-β pathway polymorphisms in sporadic thoracic aortic aneurysm: rs900 TGF-β1 is a marker of differential gender susceptibility. *Mediators of Inflammation*, **2014**, 2014, 165758	4.3	10
58	Impact of different texture of polypropylene mesh on the inflammatory response. *International Journal of Immunopathology and Pharmacology*, **2008**, 21, 207-14	3	10
57	Genetics of inflammation in age-related atherosclerosis: its relevance to pharmacogenomics. *Annals of the New York Academy of Sciences*, **2007**, 1100, 123-31	6.5	10
56	Analysis of hemochromatosis gene mutations in the Sicilian population: implications for survival and longevity. *Archives of Gerontology and Geriatrics*, **2002**, 8, 35-42	4	9
55	A Typical Immune T/B Subset Profile Characterizes Bicuspid Aortic Valve: In an Old Status?. *Oxidative Medicine and Cellular Longevity*, **2018**, 2018, 5879281	6.7	9
54	Regulation of PDE5 expression in human aorta and thoracic aortic aneurysms. *Scientific Reports*, **2019**, 9, 12206	4.9	8
53	Stem cell therapy: old challenges and new solutions. *Molecular Biology Reports*, **2020**, 47, 3117-3131	2.8	8
52	SHIP2: a "new" insulin pathway target for aging research. *Rejuvenation Research*, **2014**, 17, 221-5	2.6	8
51	The Role of Inflammation in Type a Aortic Dissection: A Pilot Study. *European Journal of Inflammation*, **2013**, 11, 269-277	0.3	8
50	Associations of rs3918242 and rs2285053 MMP-9 and MMP-2 polymorphisms with the risk, severity, and short- and long-term complications of degenerative mitral valve diseases: a 4.8-year prospective cohort study. *Cardiovascular Pathology*, **2016**, 25, 362-70	3.8	8
49	On the Road to Accurate Biomarkers for Cardiometabolic Diseases by Integrating Precision and Gender Medicine Approaches. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	8

48	Red Blood Cell Distribution Width, Vascular Aging Biomarkers, and Endothelial Progenitor Cells for Predicting Vascular Aging and Diagnosing/Prognosing Age-Related Degenerative Arterial Diseases. *Rejuvenation Research*, **2019**, 22, 399-408	2.6	8
47	Matrix Metalloproteinases (MMPs), Their Genetic Variants and miRNA in Mitral Valve Diseases: Potential Biomarker Tools and Targets for Personalized Treatments. *Journal of Heart Valve Disease*, **2016**, 25, 463-474		8
46	Stem Cells and Other Emerging Agents as Innovative "Drugs" in Neurodegenerative Diseases: Benefits and Limitations. *Rejuvenation Research*, **2018**, 21, 123-140	2.6	7
45	Identification of three particular morphological phenotypes in sporadic thoracic aortic aneurysm: phenotype III as sporadic thoracic aortic aneurysm biomarker in aged individuals. *Rejuvenation Research*, **2014**, 17, 192-6	2.6	7
44	A particular phenotype of ascending aorta aneurysms as precursor of type A aortic dissection. *Interactive Cardiovascular and Thoracic Surgery*, **2012**, 15, 840-6	1.8	7
43	To Be or Not to Be a Germ Cell: The Extragonadal Germ Cell Tumor Paradigm. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	7
42	Genetic control of immune response in carriers of ancestral haplotype 8.1: the study of chemotaxis. *Annals of the New York Academy of Sciences*, **2006**, 1089, 509-15	6.5	6
41	Endothelial progenitor cells: Are they displaying a function in autoimmune disorders?. *Mechanisms of Ageing and Development*, **2016**, 159, 44-48	5.6	6
40	Deregulation of TLR4 signaling pathway characterizes Bicuspid Aortic valve syndrome. *Scientific Reports*, **2019**, 9, 11028	4.9	5
39	Biomarkers for vascular ageing in aorta tissues and blood samples. *Experimental Gerontology*, **2019**, 128, 110741	4.5	5
38	Changes of inflammatory mediators in obese patients after laparoscopic cholecystectomy. *World Journal of Surgery*, **2010**, 34, 2045-50	3.3	5
37	The nACHR4 594C/T polymorphism in Alzheimer disease. *Rejuvenation Research*, **2006**, 9, 107-10	2.6	5
36	Systemic inflammatory response in erderly patients following hernioplastical operation. *Immunity and Ageing*, **2006**, 3, 3	9.7	5
35	Type 5 phosphodiesterase (PDE5) and the vascular tree: From embryogenesis to aging and disease. *Mechanisms of Ageing and Development*, **2020**, 190, 111311	5.6	4
34	Polyamines and microbiota in bicuspid and tricuspid aortic valve aortopathy. *Journal of Molecular and Cellular Cardiology*, **2019**, 129, 179-187	5.8	4
33	Prescribing behavior for the elderly in the United Arab Emirates: psychotropic medication use remains low despite rising overall appropriate and inappropriate medication use. *Archives of Gerontology and Geriatrics*, **2002**, 35, 35-44	4	3
32	Endothelial Progenitor Cells. *UNIPA Springer Series*, **2017**,	0.1	3
31	Susceptibility to Heart Defects in Down Syndrome Is Associated with Single Nucleotide Polymorphisms in HAS 21 Interferon Receptor Cluster and VEGFA Genes. *Genes*, **2020**, 11,	4.2	3

30	Acute Type A Aortic Dissection: Beyond the Diameter. *Journal of Heart Valve Disease*, **2016**, 25, 764-768		3
29	Biomechanical properties and histomorphometric features of aortic tissue in patients with or without bicuspid aortic valve. *Journal of Thoracic Disease*, **2020**, 12, 2304-2316	2.6	2
28	Aging and Antiaging Strategies **2017**, 1817-1827		2
27	The close link between the fetal programming imprinting and neurodegeneration in adulthood: The key role of "hemogenic endothelium" programming. *Mechanisms of Ageing and Development*, **2021**, 195, 111461	5.6	2
26	Genotyping strategy of SMAD-3 rs3825977 gene variant for a differential management of ascending aorta aneurysm in women people: Gender oriented diagnostic tools. *Meta Gene*, **2020**, 25, 100706	0.7	1
25	The role of macrophage colony-stimulating factor in patients with acute myocardial infarction: a pilot study. *Angiology*, **2012**, 63, 127-30	2.1	1
24	Acute phase response in oldest-old individuals after surgical stress. *Journal of the American Geriatrics Society*, **2006**, 54, 561-3	5.6	1
23	Sodium-glucose cotransporter type 2 inhibitors prevent ponatinib-induced endothelial senescence and disfunction: A potential rescue strategy. *Vascular Pharmacology*, **2021**, 142, 106949	5.9	1
22	Direct RNA Nanopore Sequencing of SARS-CoV-2 Extracted from Critical Material from Swabs.. *Life*, **2022**, 12,	3	1
21	The close link between brain vascular pathological conditions and neurodegenerative diseases: Focus on some examples and potential treatments.. *Vascular Pharmacology*, **2021**, 142, 106951	5.9	1
20	Probiotics and Prebiotics **2013**, 257-269		1
19	Constitutive PSGL-1 Correlates with CD30 and TCR Pathways and Represents a Potential Target for Immunotherapy in Anaplastic Large T-Cell Lymphoma. *Cancers*, **2021**, 13,	6.6	1
18	Role of Cachexia and Fragility in the Patient Candidate for Cardiac Surgery. *Nutrients*, **2021**, 13,	6.7	1
17	Early structural degeneration of Mitroflow aortic valve: another issue in addition to the mismatch?. *Journal of Thoracic Disease*, **2018**, 10, E270-E274	2.6	1
16	The Genetics of Innate Immunity and Inflammation in Ageing, Age-Related Diseases and Longevity **2007**, 154-173		1
15	Role of TLR Polymorphisms in Immunosenescence **2009**, 659-671		1
14	Epigenetics, oxidative states and diabetes **2020**, 87-96		0
13	Is it the time of seno-therapeutics application in cardiovascular pathological conditions related to ageing?. *Current Research in Pharmacology and Drug Discovery*, **2021**, 2, 100027	3	0

List of Publications

12	Biomarkers and Inflammatory Network in Aging: Targets for Therapies **2014**, 1-13	
11	New Directions for Use of Systemic Drug Delivery in Anti-aging Medicine. *Healthy Ageing and Longevity*, **2020**, 495-511	0.5
10	Role of TLR Polymorphisms in Aging and Age-Related Diseases **2019**, 1091-1107	
9	Aging and Anti-Aging Strategies **2015**, 1-11	
8	Endothelial Progenitor Cells and Their Clinical Applications as Potential Disease Biomarkers and Therapeutic Agents: Evidence and Controversies Regarding Their Effectiveness. *UNIPA Springer Series*, **2017**, 37-66	0.1
7	Endothelial Progenitor Cells: A Real Hope or an Unrealizable Dream? Which Measures or Strategies Are Necessary for making EPCs a clinical reality? Focus on a Potential Roadmap. *UNIPA Springer Series*, **2017**, 67-78	0.1
6	From Regenerative Medicine to Endothelial Progenitor Cells as Potential Candidates. *UNIPA Springer Series*, **2017**, 1-36	0.1
5	Role of TLR Polymorphisms in Aging and Age-Related Diseases **2018**, 1-18	
4	Diet and Immunosenescence **2014**, 285-293	
3	Stem cells and new intervention measures as emerging therapy in cardiac surgery. *Kardiochirurgia I Torakochirurgia Polska*, **2020**, 17, 1-7	0.3
2	The endoclamp device as a useful strategy during redo surgery on the aortic root and arch. *Kardiochirurgia I Torakochirurgia Polska*, **2019**, 16, 209-211	0.3
1	Stem Cell Therapy **2019**, 262-262	