

# Cecilia Marini

## List of Publications by Year in descending order

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Version: 2024-02-01

110  
papers

4,091  
citations

159358

30  
h-index

123241

61  
g-index

114  
all docs

114  
docs citations

114  
times ranked

5506  
citing authors

#	ARTICLE	IF	CITATIONS
1	18F-FDG-PET correlates of aging and disease course in ALS as revealed by distinct PVC approaches. <i>European Journal of Radiology Open</i> , 2022, 9, 100394.	0.7	1
2	Opportunistic skeletal muscle metrics as prognostic tools in metastatic castration-resistant prostate cancer patients candidates to receive Radium-223. <i>Annals of Nuclear Medicine</i> , 2022, 36, 373-383.	1.2	6
3	Mitochondrial Generated Redox Stress Differently Affects the Endoplasmic Reticulum of Circulating Lymphocytes and Monocytes in Treatment-Na <sup>+</sup> ve Hodgkin <sup>+</sup> s Lymphoma. <i>Antioxidants</i> , 2022, 11, 762.	2.2	2
4	18F-fluoro-2-deoxy-d-glucose (FDG) uptake. What are we looking at?. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 48, 1278-1286.	3.3	11
5	The role of endoplasmic reticulum in in vivo cancer FDG kinetics. <i>PLoS ONE</i> , 2021, 16, e0252422.	1.1	4
6	The Role of the Immune Metabolic Prognostic Index in Patients with Non-Small Cell Lung Cancer (NSCLC) in Radiological Progression during Treatment with Nivolumab. <i>Cancers</i> , 2021, 13, 3117.	1.7	17
7	Two Novel PET Radiopharmaceuticals for Endothelial Vascular Cell Adhesion Molecule-1 (VCAM-1) Targeting. <i>Pharmaceutics</i> , 2021, 13, 1025.	2.0	18
8	Metformin and Cancer Glucose Metabolism: At the Bench or at the Bedside?. <i>Biomolecules</i> , 2021, 11, 1231.	1.8	11
9	Myocardial Metabolic Response Predicts Chemotherapy Curative Potential on Hodgkin Lymphoma: A Proof-of-Concept Study. <i>Biomedicines</i> , 2021, 9, 971.	1.4	1
10	Novel PET Tracers in the Management of Cardiac Sarcoidosis. <i>Current Radiopharmaceuticals</i> , 2021, 14, 220-227.	0.3	1
11	The Role of Endoplasmic Reticulum in the Differential Endurance against Redox Stress in Cortical and Spinal Astrocytes from the Newborn SOD1G93A Mouse Model of Amyotrophic Lateral Sclerosis. <i>Antioxidants</i> , 2021, 10, 1392.	2.2	10
12	Chronic lymphocytic leukemia cells impair osteoblastogenesis and promote osteoclastogenesis: role of TNF $\alpha$ , IL-6 and IL-11 cytokines. <i>Haematologica</i> , 2021, 106, 2598-2612.	1.7	9
13	Therapeutic efficacy of proton transport inhibitors alone or in combination with cisplatin in triple negative and hormone sensitive breast cancer models. <i>Cancer Medicine</i> , 2021, 11, 183.	1.3	4
14	Increased myocardial 18F-FDG uptake as a marker of Doxorubicin-induced oxidative stress. <i>Journal of Nuclear Cardiology</i> , 2020, 27, 2183-2194.	1.4	29
15	FDG uptake tracks the oxidative damage in diabetic skeletal muscle: An experimental study. <i>Molecular Metabolism</i> , 2020, 31, 98-108.	3.0	13
16	Role of Baseline and Post-Therapy 18F-FDG PET in the Prognostic Stratification of Metastatic Castration-Resistant Prostate Cancer (mCRPC) Patients Treated with Radium-223. <i>Cancers</i> , 2020, 12, 31.	1.7	30
17	Two high-rate pentose-phosphate pathways in cancer cells. <i>Scientific Reports</i> , 2020, 10, 22111.	1.6	19
18	18F-Fluorodeoxyglucose Positron Emission Tomography Tracks the Heterogeneous Brain Susceptibility to the Hyperglycemia-Related Redox Stress. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8154.	1.8	6

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19	Spinal cord hypermetabolism extends to skeletal muscle in amyotrophic lateral sclerosis: a computational approach to [18F]-fluorodeoxyglucose PET/CT images. <i>EJNMMI Research</i> , 2020, 10, 23.	1.1	17
20	Subretinally injected semiconducting polymer nanoparticles rescue vision in a rat model of retinal dystrophy. <i>Nature Nanotechnology</i> , 2020, 15, 698-708.	15.6	129
21	Insulin-independent stimulation of skeletal muscle glucose uptake by low-dose abscisic acid via AMPK activation. <i>Scientific Reports</i> , 2020, 10, 1454.	1.6	20
22	The Elusive Link Between Cancer FDG Uptake and Glycolytic Flux Explains the Preserved Diagnostic Accuracy of PET/CT in Diabetes. <i>Translational Oncology</i> , 2020, 13, 100752.	1.7	8
23	Mechanisms underlying the predictive power of high skeletal muscle uptake of FDG in amyotrophic lateral sclerosis. <i>EJNMMI Research</i> , 2020, 10, 76.	1.1	15
24	Anthropometric and glucometabolic changes in an aged mouse model of lipocalin-2 overexpression. <i>International Journal of Obesity</i> , 2019, 43, 189-201.	1.6	9
25	Radionuclide Imaging of Cardiovascular Disease. , 2019, , 449-497.		0
26	Molecular imaging of multiple sclerosis: from the clinical demand to novel radiotracers. <i>EJNMMI Radiopharmacy and Chemistry</i> , 2019, 4, 6.	1.8	29
27	G6Pase location in the endoplasmic reticulum: Implications on compartmental analysis of FDG uptake in cancer cells. <i>Scientific Reports</i> , 2019, 9, 2794.	1.6	22
28	FDG-PET Imaging of Doxorubicin-Induced Cardiotoxicity: a New Window on an Old Problem. <i>Current Cardiovascular Imaging Reports</i> , 2019, 12, 1.	0.4	5
29	Obligatory role of endoplasmic reticulum in brain FDG uptake. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2019, 46, 1184-1196.	3.3	24
30	Reply: Doxorubicin Effect on Myocardial Metabolism as a Prerequisite for Subsequent Development of Cardiac Toxicity: Are There Unsuspected Confounders?. <i>Journal of Nuclear Medicine</i> , 2018, 59, 713.2-714.	2.8	1
31	Small-Animal 18F-FDG PET for Research on <i>Octopus vulgaris</i> : Applications and Future Directions in Invertebrate Neuroscience and Tissue Regeneration. <i>Journal of Nuclear Medicine</i> , 2018, 59, 1302-1307.	2.8	12
32	Prevention of systemic toxicity in hyperthermic isolated lung perfusion using radioisotopic leakage monitoring. <i>International Journal of Hyperthermia</i> , 2018, 34, 469-478.	1.1	1
33	Effect of starvation on brain glucose metabolism and 18F-2-fluoro-2-deoxyglucose uptake: an experimental in-vivo and ex-vivo study. <i>EJNMMI Research</i> , 2018, 8, 44.	1.1	14
34	Enhancement of Tumor Homing by Chemotherapy-Loaded Nanoparticles. <i>Small</i> , 2018, 14, e1802886.	5.2	23
35	An increase in myocardial 18-fluorodeoxyglucose uptake is associated with left ventricular ejection fraction decline in Hodgkin lymphoma patients treated with anthracycline. <i>Journal of Translational Medicine</i> , 2018, 16, 295.	1.8	43
36	Interplay between spinal cord and cerebral cortex metabolism in amyotrophic lateral sclerosis. <i>Brain</i> , 2018, 141, 2272-2279.	3.7	33

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37	Assessment of Skeletal Tumor Load in Metastasized Castration-Resistant Prostate Cancer Patients: A Review of Available Methods and an Overview on Future Perspectives. <i>Bioengineering</i> , 2018, 5, 58.	1.6	3
38	Metabolic and densitometric correlation between atherosclerotic plaque and trabecular bone: an F-Natrium-Fluoride PET/CT study. <i>American Journal of Nuclear Medicine and Molecular Imaging</i> , 2018, 8, 387-396.	1.0	2
39	Comparison of coronary flow reserve estimated by dynamic radionuclide SPECT and multi-detector x-ray CT. <i>Journal of Nuclear Cardiology</i> , 2017, 24, 1712-1721.	1.4	10
40	A fully organic retinal prosthesis restores vision in a rat model of degenerative blindness. <i>Nature Materials</i> , 2017, 16, 681-689.	13.3	232
41	Radionuclide imaging of subendocardial ischaemia: an insight into coronary pathophysiology or a technical artefact?. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2017, 44, 861-865.	3.3	1
42	<sup>18</sup> F-Fluorodeoxyglucose Imaging of Inflammation. <i>Circulation: Cardiovascular Imaging</i> , 2017, 10, e006185.	1.3	2
43	Abscisic acid enhances glucose disposal and induces brown fat activity in adipocytes in vitro and in vivo. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2017, 1862, 131-144.	1.2	32
44	Functional Activation of Osteoclast Commitment in Chronic Lymphocytic Leukaemia: a Possible Role for RANK/RANKL Pathway. <i>Scientific Reports</i> , 2017, 7, 14159.	1.6	14
45	Doxorubicin Effect on Myocardial Metabolism as a Prerequisite for Subsequent Development of Cardiac Toxicity: A Translational <sup>18</sup> F-FDG PET/CT Observation. <i>Journal of Nuclear Medicine</i> , 2017, 58, 1638-1645.	2.8	65
46	A Score-Based Approach to <sup>18</sup> F-FDG PET Images as a Tool to Describe Metabolic Predictors of Myocardial Doxorubicin Susceptibility. <i>Diagnostics</i> , 2017, 7, 57.	1.3	11
47	Tumor Burden and Intraosseous Metabolic Activity as Predictors of Bone Marrow Failure during Radioisotope Therapy in Metastasized Prostate Cancer Patients. <i>BioMed Research International</i> , 2017, 2017, 1-10.	0.9	12
48	FDG-PET and the assessment of spinal cord metabolism in amyotrophic lateral sclerosis (ALS). , 2016, , .		2
49	Diagnostic value of ischemia severity at myocardial perfusion imaging in elderly persons with suspected coronary disease. <i>Journal of Cardiovascular Medicine</i> , 2016, 17, 719-728.	0.6	4
50	A PET/CT approach to spinal cord metabolism in amyotrophic lateral sclerosis. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2016, 43, 2061-2071.	3.3	27
51	Discovery of a novel glucose metabolism in cancer: The role of endoplasmic reticulum beyond glycolysis and pentose phosphate shunt. <i>Scientific Reports</i> , 2016, 6, 25092.	1.6	67
52	Divergent targets of glycolysis and oxidative phosphorylation result in additive effects of metformin and starvation in colon and breast cancer. <i>Scientific Reports</i> , 2016, 6, 19569.	1.6	43
53	Baseline and ongoing PET-derived factors predict detrimental effect or potential utility of <sup>18</sup> F-FDG PET/CT (FDG-PET/CT) performed for surveillance in asymptomatic lymphoma patients in first remission. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2016, 43, 232-239.	3.3	9
54	Correlation between thoracic aorta <sup>18</sup> F-natrium fluoride uptake and cardiovascular risk. <i>World Journal of Radiology</i> , 2016, 8, 82.	0.5	15



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73	Tissue specificity in fasting glucose utilization in slightly obese diabetic patients submitted to bariatric surgery. <i>Obesity</i> , 2013, 21, E175-81.	1.5	8
74	Metformin selectively affects human glioblastoma tumor-initiating cell viability. <i>Cell Cycle</i> , 2013, 12, 145-156.	1.3	154
75	Metformin Temporal and Localized Effects on Gut Glucose Metabolism Assessed Using <sup>18</sup> F-FDG PET in Mice. <i>Journal of Nuclear Medicine</i> , 2013, 54, 259-266.	2.8	50
76	Direct inhibition of hexokinase activity by metformin at least partially impairs glucose metabolism and tumor growth in experimental breast cancer. <i>Cell Cycle</i> , 2013, 12, 3490-3499.	1.3	124
77	Metformin Impairs Glucose Consumption and Survival in Calu-1 Cells by Direct Inhibition of Hexokinase-II. <i>Scientific Reports</i> , 2013, 3, 2070.	1.6	100
78	Intrabone Transplant of Cord Blood Stem Cells Establishes a Local Engraftment Store: A Functional PET/FDG Study. <i>Journal of Biomedicine and Biotechnology</i> , 2012, 2012, 1-8.	3.0	8
79	A Positron Emission Tomography/Computed Tomography (PET/CT) Evaluation of Asymptomatic Abdominal Aortic Aneurysms: Another Point of View. <i>Annals of Vascular Surgery</i> , 2012, 26, 491-499.	0.4	35
80	Estimating the whole bone-marrow asset in humans by a computational approach to integrated PET/CT imaging. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2012, 39, 1326-1338.	3.3	51
81	Direct relationship between cell density and FDG uptake in asymptomatic aortic aneurysm close to surgical threshold: an in vivo and in vitro study. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2012, 39, 91-101.	3.3	29
82	Mesenchymal stem cells impair in vivo T-cell priming by dendritic cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 17384-17389.	3.3	241
83	Structural Abnormalities of the Coronary Arterial Wall "in Addition to Luminal Narrowing" Affect Myocardial Blood Flow Reserve. <i>Journal of Nuclear Medicine</i> , 2011, 52, 1704-1712.	2.8	48
84	Whole Body and Cardiac Metaiodobenzylguanidine Kinetics in Parkinson Disease and Multiple System Atrophy. <i>Clinical Nuclear Medicine</i> , 2010, 35, 311-316.	0.7	7
85	Optimization of flow reserve measurement using SPECT technology to evaluate the determinants of coronary microvascular dysfunction in diabetes. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2010, 37, 357-367.	3.3	17
86	Reduced coronary flow reserve in patients with primary hyperparathyroidism: a study by G-SPECT myocardial perfusion imaging. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2010, 37, 2256-2263.	3.3	28
87	Contact with the bone marrow microenvironment readdresses the fate of transplanted hematopoietic stem cells. <i>Experimental Hematology</i> , 2010, 38, 968-977.	0.2	21
88	Witnessing ischemia or proofing coronary atherosclerosis: two different windows on the same or on different pathways precipitating cardiovascular events?. <i>Journal of Nuclear Cardiology</i> , 2009, 16, 447-455.	1.4	3
89	Diabetes Impairs the Vascular Recruitment of Normal Stem Cells by Oxidant Damage, Reversed by Increases in pAMPK, Heme Oxygenase-1, and Adiponectin. <i>Stem Cells</i> , 2009, 27, 399-407.	1.4	75
90	Whole-Body Evaluation of MIBG Tissue Extraction in a Mouse Model of Long-Lasting Type II Diabetes and Its Relationship with Norepinephrine Transport Protein Concentration. <i>Journal of Nuclear Medicine</i> , 2008, 49, 1701-1706.	2.8	13

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91	In Vivo Imaging Shows Abnormal Function of Vascular Endothelial Growth Factor-Induced Vasculature. <i>Human Gene Therapy</i> , 2007, 18, 515-524.	1.4	66
92	Extension of myocardial necrosis differently affects MIBG retention in heart failure caused by ischaemic heart disease or by dilated cardiomyopathy. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2005, 32, 682-688.	3.3	23
93	Coronary microcirculatory vasoconstriction is heterogeneously distributed in acutely ischemic myocardium. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005, 288, H2298-H2305.	1.5	27
94	PTCA acutely expands perfused myocardial mass and increases flow homogeneity. <i>Progress in Experimental Cardiology</i> , 2003, , 3-12.	0.0	0
95	Paradoxical Increase in Microvascular Resistance During Tachycardia Downstream From a Severe Stenosis in Patients With Coronary Artery Disease. <i>Circulation</i> , 2001, 103, 2352-2360.	1.6	71
96	Clinical evidence for myocardial derecruitment downstream from severe stenosis: pressure-flow control interaction. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2000, 279, H2641-H2648.	1.5	10
97	Myocardial Perfusion Abnormalities by Intravenous Administration of the Contrast Agent NC100100 in an Experimental Model of Coronary Artery Thrombosis and Reperfusion. <i>Echocardiography</i> , 1998, 15, 731-740.	0.3	7
98	Detection of Perfusion Defects During Coronary Occlusion and Myocardial Reperfusion After Thrombolysis by Intravenous Administration of the Echo-Enhancing Agent BR1. <i>Journal of the American Society of Echocardiography</i> , 1998, 11, 169-180.	1.2	32
99	Assessment of myocardial perfusion with various intravenous echo-enhancing agents. , 1997, , 371-385.		1
100	Myocardial Contrast Echocardiography Versus Dobutamine Echocardiography for Predicting Functional Recovery After Acute Myocardial Infarction Treated With Primary Coronary Angioplasty. <i>Journal of the American College of Cardiology</i> , 1996, 28, 1677-1683.	1.2	132
101	Myocardial contrast versus dobutamine echocardiography as predictors of late functional recovery in acute myocardial infarction treated with primary PTCA. <i>Journal of the American College of Cardiology</i> , 1996, 27, 22-23.	1.2	19
102	Prognostic value of dipyridamole echocardiography early after uncomplicated myocardial infarction: A large-scale, multicenter trial. <i>American Journal of Medicine</i> , 1993, 95, 608-618.	0.6	170
103	Increased echodensity of transiently asynergic myocardium in humans: A novel echocardiographic sign of myocardial ischemia. <i>Journal of the American College of Cardiology</i> , 1993, 21, 199-207.	1.2	66
104	Activation of Sympathetic Tone During Dipyridamole Test. <i>Chest</i> , 1992, 102, 444-447.	0.4	23
105	Safety of intravenous high-dose dipyridamole echocardiography. <i>American Journal of Cardiology</i> , 1992, 70, 252-258.	0.7	154
106	Atrial natriuretic factor in essential hypertension: Echocardiographic and humoral correlates. <i>Clinical Cardiology</i> , 1992, 15, 353-356.	0.7	2
107	Stress echocardiography and the human factor: The importance of being expert. <i>Journal of the American College of Cardiology</i> , 1991, 17, 666-669.	1.2	526
108	Lack of correlation between cardiac mass and arteriolar structural changes in human hypertension. <i>Journal of the American College of Cardiology</i> , 1991, 17, A222.	1.2	1

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109	Increased prevalence of ventricular arrhythmias in essential hypertensives with dipyridamole-induced ischemic-like S-T segment changes. <i>Journal of Hypertension</i> , 1991, 9, 839-844.	0.3	8
110	Two-dimensional Echocardiography in Myocardial Amyloidosis. <i>Echocardiography</i> , 1991, 8, 253-259.	0.3	35