# Cecilia Marini

List of Publications by Year
in descending order



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|---|---|---|---|
| 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 | Stress echocardiography and the human factor: The importance of being expert. Journal of the American College of Cardiology, 1991, 17, 666-669. | 1.2 | 526 |
| 2 | Mesenchymal stem cells impair in vivo T-cell priming by dendritic cells. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 17384-17389. | 3.3 | 241 |
| 3 | A fully organic retinal prosthesis restores vision in a rat model of degenerative blindness. Nature Materials, 2017, 16, 681-689. | 13.3 | 232 |
| 4 | Prognostic value of dipyridamole echocardiography early after uncomplicated myocardial infarction: A large-scale, multicenter trial. American Journal of Medicine, 1993, 95, 608-618. | 0.6 | 170 |
| 5 | Safety of intravenous high-dose dipyridamole echocardiography. American Journal of Cardiology, 1992, 70, 252-258. | 0.7 | 154 |
| 6 | Metformin selectively affects human glioblastoma tumor-initiating cell viability. Cell Cycle, 2013, 12, 145-156. | 1.3 | 154 |
| 7 | Myocardial Contrast Echocardiography Versus Dobutamine Echocardiography for Predicting Functional Recovery After Acute Myocardial Infarction Treated With Primary Coronary Angioplasty. Journal of the American College of Cardiology, 1996, 28, 1677-1683. | 1.2 | 132 |
| 8 | Subretinally injected semiconducting polymer nanoparticles rescue vision in a rat model of retinal dystrophy. Nature Nanotechnology, 2020, 15, 698-708. | 15.6 | 129 |
| 9 | Fasting induces anti-Warburg effect that increases respiration but reduces ATP-synthesis to promote apoptosis in colon cancer models. Oncotarget, 2015, 6, 11806-11819. | 0.8 | 127 |
| 10 | Direct inhibition of hexokinase activity by metformin at least partially impairs glucose metabolism and tumor growth in experimental breast cancer. Cell Cycle, 2013, 12, 3490-3499. | 1.3 | 124 |
| 11 | Metformin Impairs Glucose Consumption and Survival in Calu-1 Cells by Direct Inhibition of Hexokinase-II. Scientific Reports, 2013, 3, 2070. | 1.6 | 100 |
| 12 | Metformin, cancer and glucose metabolism. Endocrine-Related Cancer, 2014, 21, R461-R471. | 1.6 | 91 |
| 13 | Diabetes Impairs the Vascular Recruitment of Normal Stem Cells by Oxidant Damage, Reversed by Increases in pAMPK, Heme Oxygenase-1, and Adiponectin. Stem Cells, 2009, 27, 399-407. | 1.4 | 75 |
| 14 | <sup>18</sup>F-NaF Uptake by Atherosclerotic Plaque on PET/CT Imaging: Inverse Correlation Between Calcification Density and Mineral Metabolic Activity. Journal of Nuclear Medicine, 2015, 56, 1019-1023. | 2.8 | 73 |
| 15 | Paradoxical Increase in Microvascular Resistance During Tachycardia Downstream From a Severe Stenosis in Patients With Coronary Artery Disease. Circulation, 2001, 103, 2352-2360. | 1.6 | 71 |
| 16 | Discovery of a novel glucose metabolism in cancer: The role of endoplasmic reticulum beyond glycolysis and pentose phosphate shunt. Scientific Reports, 2016, 6, 25092. | 1.6 | 67 |
| 17 | Increased echodensity of transiently asynergic myocardium in humans: A novel echocardiographic sign of myocardial ischemia. Journal of the American College of Cardiology, 1993, 21, 199-207. | 1.2 | 66 |
| 18 | In Vivo Imaging Shows Abnormal Function of Vascular Endothelial Growth Factor-Induced Vasculature. Human Gene Therapy, 2007, 18, 515-524. | 1.4 | 66 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Doxorubicin Effect on Myocardial Metabolism as a Prerequisite for Subsequent Development of Cardiac Toxicity: A Translational <sup>18</sup>F-FDG PET/CT Observation. Journal of Nuclear Medicine, 2017, 58, 1638-1645. | 2.8 | 65 |
| 20 | Estimating the whole bone-marrow asset in humans by a computational approach to integrated PET/CT imaging. European Journal of Nuclear Medicine and Molecular Imaging, 2012, 39, 1326-1338. | 3.3 | 51 |
| 21 | Metformin Temporal and Localized Effects on Gut Glucose Metabolism Assessed Using <sup>18</sup>F-FDG PET in Mice. Journal of Nuclear Medicine, 2013, 54, 259-266. | 2.8 | 50 |
| 22 | Structural Abnormalities of the Coronary Arterial Wallâ€"in Addition to Luminal Narrowingâ€"Affect Myocardial Blood Flow Reserve. Journal of Nuclear Medicine, 2011, 52, 1704-1712. | 2.8 | 48 |
| 23 | Divergent determinants of 18Fâ€"NaF uptake and visible calcium deposition in large arteries: relationship with Framingham risk score. International Journal of Cardiovascular Imaging, 2014, 30, 439-447. | 0.7 | 47 |
| 24 | Divergent targets of glycolysis and oxidative phosphorylation result in additive effects of metformin and starvation in colon and breast cancer. Scientific Reports, 2016, 6, 19569. | 1.6 | 43 |
| 25 | An increase in myocardial 18-fluorodeoxyglucose uptake is associated with left ventricular ejection fraction decline in Hodgkin lymphoma patients treated with anthracycline. Journal of Translational Medicine, 2018, 16, 295. | 1.8 | 43 |
| 26 | IGF1 regulates PKM2 function through Akt phosphorylation. Cell Cycle, 2015, 14, 1559-1567. | 1.3 | 42 |
| 27 | Neuroblastoma-targeted nanocarriers improve drug delivery and penetration, delay tumor growth and abrogate metastatic diffusion. Biomaterials, 2015, 68, 89-99. | 5.7 | 36 |
| 28 | Twoâ€Đimensional Echocardiography in Myocardial Amyloidosis. Echocardiography, 1991, 8, 253-259. | 0.3 | 35 |
| 29 | A Positron Emission Tomography/Computed Tomography (PET/CT) Evaluation of Asymptomatic Abdominal Aortic Aneurysms: Another Point of View. Annals of Vascular Surgery, 2012, 26, 491-499. | 0.4 | 35 |
| 30 | Interplay between spinal cord and cerebral cortex metabolism in amyotrophic lateral sclerosis. Brain, 2018, 141, 2272-2279. | 3.7 | 33 |
| 31 | Detection of Perfusion Defects During Coronary Occlusion and Myocardial Reperfusion After Thrombolysis by Intravenous Administration of the Echo-Enhancing Agent BR1. Journal of the American Society of Echocardiography, 1998, 11, 169-180. | 1.2 | 32 |
| 32 | Abscisic acid enhances glucose disposal and induces brown fat activity in adipocytes in vitro and in vivo. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2017, 1862, 131-144. | 1.2 | 32 |
| 33 | 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. Cancers, 2020, 12, 31. | 1.7 | 30 |
| 34 | Metformin inhibits cell cycle progression of B-cell chronic lymphocytic leukemia cells. Oncotarget, 2015, 6, 22624-22640. | 0.8 | 30 |
| 35 | Direct relationship between cell density and FDG uptake in asymptomatic aortic aneurysm close to surgical threshold: an in vivo and in vitro study. European Journal of Nuclear Medicine and Molecular Imaging, 2012, 39, 91-101. | 3.3 | 29 |
| 36 | Molecular imaging of multiple sclerosis: from the clinical demand to novel radiotracers. EJNMMI Radiopharmacy and Chemistry, 2019, 4, 6. | 1.8 | 29 |

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|---|---|---|---|
| 37 | Increased myocardial 18F-FDG uptake as a marker of Doxorubicin-induced oxidative stress. Journal of Nuclear Cardiology, 2020, 27, 2183-2194. | 1.4 | 29 |
| 38 | Reduced coronary flow reserve in patients with primary hyperparathyroidism: a study by G-SPECT myocardial perfusion imaging. European Journal of Nuclear Medicine and Molecular Imaging, 2010, 37, 2256-2263. | 3.3 | 28 |
| 39 | Coronary microcirculatory vasoconstriction is heterogeneously distributed in acutely ischemic myocardium. American Journal of Physiology - Heart and Circulatory Physiology, 2005, 288, H2298-H2305. | 1.5 | 27 |
| 40 | A PET/CT approach to spinal cord metabolism in amyotrophic lateral sclerosis. European Journal of Nuclear Medicine and Molecular Imaging, 2016, 43, 2061-2071. | 3.3 | 27 |
| 41 | Adult Advanced Chronic Lymphocytic Leukemia: Computational Analysis of Whole-Body CT Documents a Bone Structure Alteration. Radiology, 2014, 271, 805-813. | 3.6 | 24 |
| 42 | Obligatory role of endoplasmic reticulum in brain FDG uptake. European Journal of Nuclear Medicine and Molecular Imaging, 2019, 46, 1184-1196. | 3.3 | 24 |
| 43 | Activation of Sympathetic Tone During Dipyridamole Test. Chest, 1992, 102, 444-447. | 0.4 | 23 |
| 44 | Extension of myocardial necrosis differently affects MIBG retention in heart failure caused by ischaemic heart disease or by dilated cardiomyopathy. European Journal of Nuclear Medicine and Molecular Imaging, 2005, 32, 682-688. | 3.3 | 23 |
| 45 | Allogeneic cell transplant expands bone marrow distribution by colonizing previously abandoned areas: an FDG PET/CT analysis. Blood, 2015, 125, 4095-4102. | 0.6 | 23 |
| 46 | Enhancement of Tumor Homing by Chemotherapyâ€Loaded Nanoparticles. Small, 2018, 14, e1802886. | 5.2 | 23 |
| 47 | G6Pase location in the endoplasmic reticulum: Implications on compartmental analysis of FDG uptake in cancer cells. Scientific Reports, 2019, 9, 2794. | 1.6 | 22 |
| 48 | Contact with the bone marrow microenvironment readdresses the fate of transplanted hematopoietic stem cells. Experimental Hematology, 2010, 38, 968-977. | 0.2 | 21 |
| 49 | Insulin-independent stimulation of skeletal muscle glucose uptake by low-dose abscisic acid via AMPK activation. Scientific Reports, 2020, 10, 1454. | 1.6 | 20 |
| 50 | Myocardial contrast versus dobutamine echocardiography as predictors of late functional recovery in acute myocardial infarction treated with primary PTCA. Journal of the American College of Cardiology, 1996, 27, 22-23. | 1.2 | 19 |
| 51 | A new compartmental method for the analysis of liver FDG kinetics in small animal models. EJNMMI Research, 2015, 5, 107. | 1.1 | 19 |
| 52 | Two high-rate pentose-phosphate pathways in cancer cells. Scientific Reports, 2020, 10, 22111. | 1.6 | 19 |
| 53 | Two Novel PET Radiopharmaceuticals for Endothelial Vascular Cell Adhesion Molecule-1 (VCAM-1) Targeting. Pharmaceutics, 2021, 13, 1025. | 2.0 | 18 |
| 54 | Optimization of flow reserve measurement using SPECT technology to evaluate the determinants of coronary microvascular dysfunction in diabetes. European Journal of Nuclear Medicine and Molecular Imaging, 2010, 37, 357-367. | 3.3 | 17 |

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|---|---|---|---|
| 55 | Spinal cord hypermetabolism extends to skeletal muscle in amyotrophic lateral sclerosis: a computational approach to [18F]-fluorodeoxyglucose PET/CT images. EJNMMI Research, 2020, 10, 23. | 1.1 | 17 |
| 56 | The Role of the Immune Metabolic Prognostic Index in Patients with Non-Small Cell Lung Cancer (NSCLC) in Radiological Progression during Treatment with Nivolumab. Cancers, 2021, 13, 3117. | 1.7 | 17 |
| 57 | Mechanisms underlying the predictive power of high skeletal muscle uptake of FDG in amyotrophic lateral sclerosis. EJNMMI Research, 2020, 10, 76. | 1.1 | 15 |
| 58 | Correlation between thoracic aorta 18F-natrium fluoride uptake and cardiovascular risk. World Journal of Radiology, 2016, 8, 82. | 0.5 | 15 |
| 59 | Functional Activation of Osteoclast Commitment in Chronic Lymphocytic Leukaemia: a Possible Role for RANK/RANKL Pathway. Scientific Reports, 2017, 7, 14159. | 1.6 | 14 |
| 60 | Effect of starvation on brain glucose metabolism and 18F-2-fluoro-2-deoxyglucose uptake: an experimental in-vivo and ex-vivo study. EJNMMI Research, 2018, 8, 44. | 1.1 | 14 |
| 61 | 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. Journal of Nuclear Medicine, 2008, 49, 1701-1706. | 2.8 | 13 |
| 62 | FDG uptake tracks the oxidative damage in diabetic skeletal muscle: An experimental study. Molecular Metabolism, 2020, 31, 98-108. | 3.0 | 13 |
| 63 | Tumor Burden and Intraosseous Metabolic Activity as Predictors of Bone Marrow Failure during Radioisotope Therapy in Metastasized Prostate Cancer Patients. BioMed Research International, 2017, 2017, 1-10. | 0.9 | 12 |
| 64 | Small-Animal 18F-FDG PET for Research on Octopus vulgaris: Applications and Future Directions in Invertebrate Neuroscience and Tissue Regeneration. Journal of Nuclear Medicine, 2018, 59, 1302-1307. | 2.8 | 12 |
| 65 | Heterogeneous response of cardiac sympathetic function to cardiac resynchronization therapy in heart failure documented by 11[C]-hydroxy-ephedrine and PET/CT. Nuclear Medicine and Biology, 2015, 42, 858-863. | 0.3 | 11 |
| 66 | A Score-Based Approach to 18F-FDG PET Images as a Tool to Describe Metabolic Predictors of Myocardial Doxorubicin Susceptibility. Diagnostics, 2017, 7, 57. | 1.3 | 11 |
| 67 | 18F-fluoro-2-deoxy-d-glucose (FDG) uptake. What are we looking at?. European Journal of Nuclear Medicine and Molecular Imaging, 2021, 48, 1278-1286. | 3.3 | 11 |
| 68 | Metformin and Cancer Glucose Metabolism: At the Bench or at the Bedside?. Biomolecules, 2021, 11, 1231. | 1.8 | 11 |
| 69 | Clinical evidence for myocardial derecruitment downstream from severe stenosis: pressure-flow control interaction. American Journal of Physiology - Heart and Circulatory Physiology, 2000, 279, H2641-H2648. | 1.5 | 10 |
| 70 | Comparison of coronary flow reserve estimated by dynamic radionuclide SPECT and multi-detector x-ray CT. Journal of Nuclear Cardiology, 2017, 24, 1712-1721. | 1.4 | 10 |
| 71 | 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. Antioxidants, 2021, 10, 1392. | 2.2 | 10 |
| 72 | Metformin and cancer: Technical and clinical implications for FDG-PET imaging. World Journal of Radiology, 2015, 7, 57. | 0.5 | 10 |

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|---|---|---|---|
| 73 | 1,25-Dihydroxy vitamin D and coronary microvascular function. European Journal of Nuclear Medicine and Molecular Imaging, 2013, 40, 280-289. | 3.3 | 9 |
| 74 | Baseline and ongoing PET-derived factors predict detrimental effect or potential utility of 18F-FDG PET/CT (FDG-PET/CT) performed for surveillance in asymptomatic lymphoma patients in first remission. European Journal of Nuclear Medicine and Molecular Imaging, 2016, 43, 232-239. | 3.3 | 9 |
| 75 | Anthropometric and glucometabolic changes in an aged mouse model of lipocalin-2 overexpression. International Journal of Obesity, 2019, 43, 189-201. | 1.6 | 9 |
| 76 | Chronic lymphocytic leukemia cells impair osteoblastogenesis and promote osteoclastogenesis: role of TNFÎ±, IL-6 and IL-11 cytokines. Haematologica, 2021, 106, 2598-2612. | 1.7 | 9 |
| 77 | Increased prevalence of ventricular arrhythmias in essential hypertensives with dipyridamole-induced ischemic-like S-T segment changes. Journal of Hypertension, 1991, 9, 839-844. | 0.3 | 8 |
| 78 | Intrabone Transplant of Cord Blood Stem Cells Establishes a Local Engraftment Store: A Functional PET/FDG Study. Journal of Biomedicine and Biotechnology, 2012, 2012, 1-8. | 3.0 | 8 |
| 79 | Tissue specificity in fasting glucose utilization in slightly obese diabetic patients submitted to bariatric surgery. Obesity, 2013, 21, E175-81. | 1.5 | 8 |
| 80 | The Elusive Link Between Cancer FDG Uptake and Glycolytic Flux Explains the Preserved Diagnostic Accuracy of PET/CT in Diabetes. Translational Oncology, 2020, 13, 100752. | 1.7 | 8 |
| 81 | Myocardial Perfusion Abnormalities by Intravenous Administration of the Contrast Agent NC100100 in an Experimental Model of Coronary Artery Thrombosis and Reperfusion. Echocardiography, 1998, 15, 731-740. | 0.3 | 7 |
| 82 | Whole Body and Cardiac Metaiodobenzylguanidine Kinetics in Parkinson Disease and Multiple System Atrophy. Clinical Nuclear Medicine, 2010, 35, 311-316. | 0.7 | 7 |
| 83 | 18F-Fluorodeoxyglucose Positron Emission Tomography Tracks the Heterogeneous Brain Susceptibility to the Hyperglycemia-Related Redox Stress. International Journal of Molecular Sciences, 2020, 21, 8154. | 1.8 | 6 |
| 84 | Opportunistic skeletal muscle metrics as prognostic tools in metastatic castration-resistant prostate cancer patients candidates to receive Radium-223. Annals of Nuclear Medicine, 2022, 36, 373-383. | 1.2 | 6 |
| 85 | Added prognostic value of ischaemic threshold in radionuclide myocardial perfusion imaging: a common-sense integration of exercise tolerance and ischaemia severity. European Journal of Nuclear Medicine and Molecular Imaging, 2015, 42, 750-760. | 3.3 | 5 |
| 86 | FDG-PET Imaging of Doxorubicin-Induced Cardiotoxicity: a New Window on an Old Problem. Current Cardiovascular Imaging Reports, 2019, 12, 1. | 0.4 | 5 |
| 87 | 18F-fluorodeoxyglucose PET/CT in aplastic anemia: a literature review and the potential of a computational approach. Clinical Practice (London, England), 2014, 11, 613-621. | 0.1 | 4 |
| 88 | Diagnostic value of ischemia severity at myocardial perfusion imaging in elderly persons with suspected coronary disease. Journal of Cardiovascular Medicine, 2016, 17, 719-728. | 0.6 | 4 |
| 89 | The role of endoplasmic reticulum in in vivo cancer FDG kinetics. PLoS ONE, 2021, 16, e0252422. | 1.1 | 4 |
| 90 | Therapeutic efficacy of proton transport inhibitors alone or in combination with cisplatinÂin triple negative and hormone sensitive breast cancer models. Cancer Medicine, 2021, 11, 183. | 1.3 | 4 |

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|---|---|---|---|
| 91 | Witnessing ischemia or proofing coronary atherosclerosis: two different windows on the same or on different pathways precipitating cardiovascular events?. Journal of Nuclear Cardiology, 2009, 16, 447-455. | 1.4 | 3 |
| 92 | Pathophysiological basis of myocardial innervation imaging in heart failure. Clinical and Translational Imaging, 2015, 3, 347-355. | 1.1 | 3 |
| 93 | Assessment of Skeletal Tumor Load in Metastasized Castration-Resistant Prostate Cancer Patients: A Review of Available Methods and an Overview on Future Perspectives. Bioengineering, 2018, 5, 58. | 1.6 | 3 |
| 94 | Atrial natriuretic factor in essential hypertension: Echocardiographic and humoral correlates. Clinical Cardiology, 1992, 15, 353-356. | 0.7 | 2 |
| 95 | FDG-PET and the assessment of spinal cord metabolism in amyotrophic lateral sclerosis (ALS). , 2016, , . | | 2 |
| 96 | <sup>18</sup> F-Fluorodeoxyglucose Imaging of Inflammation. Circulation: Cardiovascular Imaging, 2017, 10, e006185. | 1.3 | 2 |
| 97 | Metabolic and densitometric correlation between atherosclerotic plaque and trabecular bone: an F-Natrium-Fluoride PET/CT study. American Journal of Nuclear Medicine and Molecular Imaging, 2018, 8, 387-396. | 1.0 | 2 |
| 98 | Mitochondrial Generated Redox Stress Differently Affects the Endoplasmic Reticulum of Circulating Lymphocytes and Monocytes in Treatment-NaÃ¯ve Hodgkinâ€™s Lymphoma. Antioxidants, 2022, 11, 762. | 2.2 | 2 |
| 99 | Lack of correlation between cardiac mass and arteriolar structural changes in human hypertension. Journal of the American College of Cardiology, 1991, 17, A222. | 1.2 | 1 |
| 100 | Nuclear Cardiology in Heart Failure. Current Cardiovascular Imaging Reports, 2014, 7, 1. | 0.4 | 1 |
| 101 | Radionuclide imaging of subendocardial ischaemia: an insight into coronary pathophysiology or a technical artefact?. European Journal of Nuclear Medicine and Molecular Imaging, 2017, 44, 861-865. | 3.3 | 1 |
| 102 | Reply: Doxorubicin Effect on Myocardial Metabolism as a Prerequisite for Subsequent Development of Cardiac Toxicity: Are There Unsuspected Confounders?. Journal of Nuclear Medicine, 2018, 59, 713.2-714. | 2.8 | 1 |
| 103 | Prevention of systemic toxicity in hyperthermic isolated lung perfusion using radioisotopic leakage monitoring. International Journal of Hyperthermia, 2018, 34, 469-478. | 1.1 | 1 |
| 104 | Myocardial Metabolic Response Predicts Chemotherapy Curative Potential on Hodgkin Lymphoma: A Proof-of-Concept Study. Biomedicines, 2021, 9, 971. | 1.4 | 1 |
| 105 | Novel PET Tracers in the Management of Cardiac Sarcoidosis. Current Radiopharmaceuticals, 2021, 14, 220-227. | 0.3 | 1 |
| 106 | Assessment of myocardial perfusion with various intravenous echo-enhancing agents. , 1997, , 371-385. | | 1 |
| 107 | Abstract 3374: Fasting chemosensitizes tumor cells by affecting their metabolism. , 2014, , . | | 1 |
| 108 | 18F-FDG-PET correlates of aging and disease course in ALS as revealed by distinct PVC approaches. European Journal of Radiology Open, 2022, 9, 100394. | 0.7 | 1 |

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|---|---|---|---|
| 109 | Radionuclide Imaging of Cardiovascular Disease. , 2019, , 449-497. | | 0 |
| 110 | PTCA acutely expands perfused myocardial mass and increases flow homogeneity. Progress in Experimental Cardiology, 2003, , 3-12. | 0.0 | 0 |