

# Manuel Scimeca

## List of Publications by Citations

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**Version:** 2024-04-28

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

81  
papers

1,375  
citations

21  
h-index

33  
g-index

100  
ext. papers

1,832  
ext. citations

5.2  
avg. IF

5.26  
L-index

| #  | Paper   | IF   | Citations |
|----|---|------|-----------|
| 81 | Microcalcifications in breast cancer: an active phenomenon mediated by epithelial cells with mesenchymal characteristics. <i>BMC Cancer</i> , <b>2014</b> , 14, 286   | 4.8  | 117       |
| 80 | Energy Dispersive X-ray (EDX) microanalysis: A powerful tool in biomedical research and diagnosis. <i>European Journal of Histochemistry</i> , <b>2018</b> , 62, 2841   | 2.1  | 102       |
| 79 | Posible papel de la gammagrafía con [99mTc]Tc-sestamibi en el seguimiento de la enfermedad Kawasaki-like relacionada con el SARS-CoV-2. <i>Revista Espanola De Medicina Nuclear E Imagen Molecular</i> , <b>2021</b> ,                        | 0.4  | 78        |
| 78 | Possible role of 99mTC-Sestamibi scintigraphy in the follow-up of Kawasaki-like disease related to SARS-CoV-2. <i>Revista Espanola De Medicina Nuclear E Imagen Molecular</i> , <b>2021</b> ,   | 0.1  | 78        |
| 77 | Silver nanoparticles inhaled during pregnancy reach and affect the placenta and the foetus. <i>Nanotoxicology</i> , <b>2017</b> , 11, 687-698   | 5.3  | 70        |
| 76 | Ellagic Acid Inhibits Bladder Cancer Invasiveness and In Vivo Tumor Growth. <i>Nutrients</i> , <b>2016</b> , 8,   | 6.7  | 51        |
| 75 | Breast Osteoblast-like Cells: A Reliable Early Marker for Bone Metastases From Breast Cancer. <i>Clinical Breast Cancer</i> , <b>2018</b> , 18, e659-e669   | 3    | 39        |
| 74 | Emerging prognostic markers related to mesenchymal characteristics of poorly differentiated breast cancers. <i>Tumor Biology</i> , <b>2016</b> , 37, 5427-35  | 2.9  | 39        |
| 73 | Bone Marrow Lipid Profiles from Peripheral Skeleton as Potential Biomarkers for Osteoporosis: A 1H-MR Spectroscopy Study. <i>Academic Radiology</i> , <b>2016</b> , 23, 273-83  | 4.3  | 34        |
| 72 | Radiological, Histological and Chemical Analysis of Breast Microcalcifications: Diagnostic Value and Biological Significance. <i>Journal of Mammary Gland Biology and Neoplasia</i> , <b>2018</b> , 23, 89-99                                 | 2.4  | 34        |
| 71 | Impairment of PTX3 expression in osteoblasts: a key element for osteoporosis. <i>Cell Death and Disease</i> , <b>2017</b> , 8, e3125  | 9.8  | 32        |
| 70 | The anti-vascular endothelial growth factor receptor-1 monoclonal antibody D16F7 inhibits invasiveness of human glioblastoma and glioblastoma stem cells. <i>Journal of Experimental and Clinical Cancer Research</i> , <b>2017</b> , 36, 106 | 12.8 | 30        |
| 69 | Heavy metals accumulation affects bone microarchitecture in osteoporotic patients. <i>Environmental Toxicology</i> , <b>2017</b> , 32, 1333-1342  | 4.2  | 30        |
| 68 | A new water soluble MAPK activator exerts antitumor activity in melanoma cells resistant to the BRAF inhibitor vemurafenib. <i>Biochemical Pharmacology</i> , <b>2015</b> , 95, 16-27   | 6    | 24        |
| 67 | Vitamin D Receptor in Muscle Atrophy of Elderly Patients: A Key Element of Osteoporosis-Sarcopenia Connection <b>2018</b> , 9, 952-964  |      | 24        |
| 66 | Novel insights into breast cancer progression and metastasis: A multidisciplinary opportunity to transition from biology to clinical oncology. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , <b>2019</b> , 1872, 138-148          | 11.2 | 23        |
| 65 | Carotid plaque instability is not related to quantity but to elemental composition of calcification. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , <b>2017</b> , 27, 768-774   | 4.5  | 23        |

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| 64 | Breast osteoblast-like cells: a new biomarker for the management of breast cancer. <i>British Journal of Cancer</i> , <b>2018</b> , 119, 1129-1132   | 8.7  | 23 |
| 63 | The role of obesity in carotid plaque instability: interaction with age, gender, and cardiovascular risk factors. <i>Cardiovascular Diabetology</i> , <b>2018</b> , 17, 46   | 8.7  | 22 |
| 62 | Programmed death ligand 1 expression in prostate cancer cells is associated with deep changes of the tumor inflammatory infiltrate composition. <i>Urologic Oncology: Seminars and Original Investigations</i> , <b>2019</b> , 37, 297.e19-297.e31 | 2.8  | 21 |
| 61 | The role of sarcopenia with and without fracture. <i>Injury</i> , <b>2016</b> , 47 Suppl 4, S3-S10   | 2.5  | 21 |
| 60 | Forcing ATGL expression in hepatocarcinoma cells imposes glycolytic rewiring through PPAR- $\gamma$ /p300-mediated acetylation of p53. <i>Oncogene</i> , <b>2019</b> , 38, 1860-1875   | 9.2  | 21 |
| 59 | Bone Morphogenetic Proteins and myostatin pathways: key mediator of human sarcopenia. <i>Journal of Translational Medicine</i> , <b>2017</b> , 15, 34  | 8.5  | 18 |
| 58 | Satellite Cells CD44 Positive Drive Muscle Regeneration in Osteoarthritis Patients. <i>Stem Cells International</i> , <b>2015</b> , 2015, 469459   | 5    | 18 |
| 57 | A novel orally active water-soluble inhibitor of human glutathione transferase exerts a potent and selective antitumor activity against human melanoma xenografts. <i>Oncotarget</i> , <b>2015</b> , 6, 4126-43                                    | 3.3  | 18 |
| 56 | Sarcopenia: a histological and immunohistochemical study on age-related muscle impairment. <i>Aging Clinical and Experimental Research</i> , <b>2015</b> , 27 Suppl 1, S51-60  | 4.8  | 16 |
| 55 | The Anti-Vascular Endothelial Growth Factor Receptor-1 Monoclonal Antibody D16F7 Inhibits Glioma Growth and Angiogenesis In Vivo. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2018</b> , 364, 77-86                          | 4.7  | 16 |
| 54 | Microcalcifications Drive Breast Cancer Occurrence and Development by Macrophage-Mediated Epithelial to Mesenchymal Transition. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,   | 6.3  | 15 |
| 53 | Calcifications in prostate cancer: An active phenomenon mediated by epithelial cells with osteoblast-phenotype. <i>Microscopy Research and Technique</i> , <b>2018</b> , 81, 745-748   | 2.8  | 14 |
| 52 | Prostate Osteoblast-Like Cells: A Reliable Prognostic Marker of Bone Metastasis in Prostate Cancer Patients. <i>Contrast Media and Molecular Imaging</i> , <b>2018</b> , 2018, 9840962   | 3.2  | 12 |
| 51 | biological fate of poly(vinylalcohol) microbubbles in mice. <i>Heliyon</i> , <b>2018</b> , 4, e00770   | 3.6  | 12 |
| 50 | Prostate cancer and inflammation: A new molecular imaging challenge in the era of personalized medicine. <i>Nuclear Medicine and Biology</i> , <b>2019</b> , 68-69, 66-79  | 2.1  | 11 |
| 49 | Targeting the vascular endothelial growth factor receptor-1 by the monoclonal antibody D16F7 to increase the activity of immune checkpoint inhibitors against cutaneous melanoma. <i>Pharmacological Research</i> , <b>2020</b> , 159, 104957      | 10.2 | 11 |
| 48 | Combining Diagnostic Imaging and Pathology for Improving Diagnosis and Prognosis of Cancer. <i>Contrast Media and Molecular Imaging</i> , <b>2019</b> , 2019, 9429761  | 3.2  | 11 |
| 47 | Effects of Simulated Microgravity on Muscle Stem Cells Activity. <i>Cellular Physiology and Biochemistry</i> , <b>2020</b> , 54, 736-747   | 3.9  | 11 |

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| 46 | Breast cancer metastasis to bone: From epithelial to mesenchymal transition to breast osteoblast-like cells. <i>Seminars in Cancer Biology</i> , <b>2021</b> , 72, 155-164   | 12.7 | 11 |
| 45 | mTc-sestamibi breast imaging: Current status, new ideas and future perspectives. <i>Seminars in Cancer Biology</i> , <b>2020</b> ,   | 12.7 | 10 |
| 44 | PTX3: a new mediator of bone metabolism and osteoporosis. <i>Muscles, Ligaments and Tendons Journal</i> , <b>2017</b> , 7, 200-201   | 1.9  | 10 |
| 43 | Plaque calcification is driven by different mechanisms of mineralization associated with specific cardiovascular risk factors. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , <b>2019</b> , 29, 1330-1336                      | 4.5  | 9  |
| 42 | Chronic Kidney Disease Is Linked to Carotid Nodular Calcification, An Unstable Plaque Not Correlated to Inflammation <b>2019</b> , 10, 71-81   |      | 8  |
| 41 | BMP-2 Variants in Breast Epithelial to Mesenchymal Transition and Microcalcifications Origin. <i>Cells</i> , <b>2020</b> , 9,  | 7.9  | 8  |
| 40 | Imaging Diagnostics and Pathology in SARS-CoV-2-Related Diseases. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,   | 6.3  | 7  |
| 39 | Effects of short-term aerobic exercise in a mouse model of Niemann-Pick type C disease on synaptic and muscle plasticity. <i>Annali Dell'Istituto Superiore Di Sanita</i> , <b>2019</b> , 55, 330-337                                      | 1.6  | 6  |
| 38 | Curcumin Enhances the Antitumoral Effect Induced by the Recombinant Vaccinia Neu Vaccine (rV-T) in Mice with Transplanted Salivary Gland Carcinoma Cells. <i>Nutrients</i> , <b>2020</b> , 12,   | 6.7  | 5  |
| 37 | F-Choline PET/CT Identifies High-Grade Prostate Cancer Lesions Expressing Bone Biomarkers. <i>Journal of Clinical Medicine</i> , <b>2019</b> , 8,  | 5.1  | 5  |
| 36 | The Paradox Effect of Calcification in Carotid Atherosclerosis: Microcalcification is Correlated with Plaque Instability. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,   | 6.3  | 5  |
| 35 | Adjuvant denosumab in early breast cancer. <i>Lancet Oncology, The</i> , <b>2020</b> , 21, e122  | 21.7 | 4  |
| 34 | Breast-Specific Gamma Imaging with [mTc]Tc-Sestamibi: An In Vivo Analysis for Early Identification of Breast Cancer Lesions Expressing Bone Biomarkers. <i>Journal of Clinical Medicine</i> , <b>2020</b> , 9,                             | 5.1  | 4  |
| 33 | A Novel Prostate Cell Type-Specific Gene Signature to Interrogate Prostate Tumor Differentiation Status and Monitor Therapeutic Response (Running Title: Phenotypic Classification of Prostate Tumors). <i>Cancers</i> , <b>2020</b> , 12, | 6.6  | 4  |
| 32 | Animal models for the study of inflammatory bowel diseases: a meta-analysis on modalities for imaging inflammatory lesions. <i>Quarterly Journal of Nuclear Medicine and Molecular Imaging</i> , <b>2018</b> , 62, 78-100                  | 1.4  | 4  |
| 31 | [mTc]Sestamibi SPECT Can Predict Proliferation Index, Angiogenesis, and Vascular Invasion in Parathyroid Patients: A Retrospective Study. <i>Journal of Clinical Medicine</i> , <b>2020</b> , 9,   | 5.1  | 4  |
| 30 | The Role of PTX3 in Mineralization Processes and Aging-Related Bone Diseases. <i>Frontiers in Immunology</i> , <b>2020</b> , 11, 622772  | 8.4  | 4  |
| 29 | Negative prognostic value of intra-ductal fat infiltrate in breast cancer. <i>Pathology Research and Practice</i> , <b>2019</b> , 215, 152634  | 3.4  | 3  |

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| 28 | New advance in breast cancer pathology and imaging. <i>Future Oncology</i> , <b>2019</b> , 15, 2707-2722  | 3.6 | 3 |
| 27 | Rapid Rapamycin-Only Induced Osteogenic Differentiation of Blood-Derived Stem Cells and Their Adhesion to Natural and Artificial Scaffolds. <i>Stem Cells International</i> , <b>2017</b> , 2017, 2976541   | 5   | 3 |
| 26 | Role of Myostatin in Muscle Degeneration by Random Positioning Machine Exposure: An Study for the Treatment of Sarcopenia.. <i>Frontiers in Physiology</i> , <b>2022</b> , 13, 782000   | 4.6 | 3 |
| 25 | Electron microscopy in human diseases: diagnostic and research perspectives. <i>Nanomedicine</i> , <b>2019</b> , 14, 371-373  | 5.6 | 3 |
| 24 | Molecular Aspects and Prognostic Significance of Microcalcifications in Human Pathology: A Narrative Review. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 22,   | 6.3 | 3 |
| 23 | Effects of Different Continuous Aerobic Training Protocols in a Heterozygous Mouse Model of Niemann-Pick Type C Disease. <i>Journal of Functional Morphology and Kinesiology</i> , <b>2020</b> , 5,   | 2.4 | 3 |
| 22 | The risk of carotid plaque instability in patients with metabolic syndrome is higher in women with hypertriglyceridemia. <i>Cardiovascular Diabetology</i> , <b>2021</b> , 20, 98   | 8.7 | 3 |
| 21 | Dose-Response Effect of Vibratory Stimulus on Synaptic and Muscle Plasticity in a Middle-Aged Murine Model. <i>Frontiers in Physiology</i> , <b>2021</b> , 12, 678449   | 4.6 | 3 |
| 20 | Extensive Histopathological Characterization of Inflamed Bowel in the Dextran Sulfate Sodium Mouse Model with Emphasis on Clinically Relevant Biomarkers and Targets for Drug Development. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22, | 6.3 | 3 |
| 19 | [99mTc]Tc-Sestamibi Bioaccumulation Can Induce Apoptosis in Breast Cancer Cells: Molecular and Clinical Perspectives. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 2733  | 2.6 | 3 |
| 18 | Thromboembolism after COVID-19 vaccine in patients with preexisting thrombocytopenia. <i>Cell Death and Disease</i> , <b>2021</b> , 12, 762   | 9.8 | 3 |
| 17 | Proteasome inhibition by bortezomib parallels a reduction in head and neck cancer cells growth, and an increase in tumor-infiltrating immune cells. <i>Scientific Reports</i> , <b>2021</b> , 11, 19051   | 4.9 | 3 |
| 16 | Beneficial Effects of Physical Activity on Subjects with Neurodegenerative Disease. <i>Journal of Functional Morphology and Kinesiology</i> , <b>2020</b> , 5,  | 2.4 | 2 |
| 15 | Persistence of SARS-CoV-2 Viral RNA in Nasopharyngeal Swabs after Death: An Observational Study. <i>Microorganisms</i> , <b>2021</b> , 9,   | 4.9 | 2 |
| 14 | PTX3 Effects on Osteogenic Differentiation in Osteoporosis: An In Vitro Study. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,   | 6.3 | 2 |
| 13 | Definition of a Novel Plasmid-Based Gene Transfection Protocol of Mammalian Skeletal Muscles by Means of In Vivo Electroporation. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,  | 6.3 | 1 |
| 12 | Morphological evaluation of sympathetic renal innervation in patients with autosomal dominant polycystic kidney disease. <i>Journal of Nephrology</i> , <b>2020</b> , 33, 83-89   | 4.8 | 1 |
| 11 | Silica encapsulation of ZnO nanoparticles reduces their toxicity for cumulus cell-oocyte-complex expansion. <i>Particle and Fibre Toxicology</i> , <b>2021</b> , 18, 33   | 8.4 | 1 |

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| 10 | Hippocampal Adaptations to Continuous Aerobic Training: A Functional and Ultrastructural Evaluation in a Young Murine Model.. <i>Journal of Functional Morphology and Kinesiology</i> , <b>2021</b> , 6,                                  | 2.4  | 1 |
| 9  | Exposure to Random Positioning Machine Alters the Mineralization Process and PTX3 Expression in the SAOS-2 Cell Line. <i>Life</i> , <b>2022</b> , 12, 610   | 3    | 1 |
| 8  | Differences between muscle from osteoporotic and osteoarthritic subjects: in vitro study by diffusion-tensor MRI and histological findings. <i>Aging Clinical and Experimental Research</i> , <b>2020</b> , 32, 2489-2499                 | 4.8  | 0 |
| 7  | ITCH E3 Ubiquitin Ligase downregulation compromises hepatic degradation of branched-chain amino acids.. <i>Molecular Metabolism</i> , <b>2022</b> , 101454  | 8.8  | 0 |
| 6  | Effects of Risk Factors on In Situ Expression of Proinflammatory Markers Correlated to Carotid Plaque Instability. <i>Applied Immunohistochemistry and Molecular Morphology</i> , <b>2021</b> , 29, 741-749                               | 1.9  | 0 |
| 5  | No Time to Die: How Kidney Cancer Evades Cell Death. <i>International Journal of Molecular Sciences</i> , <b>2022</b> , 23, 6198  | 6.3  | 0 |
| 4  | Inquadramento del paziente fragile: dalla scienza di base alla clinica. <i>LO SCALPELLO-OTODI Educational</i> , <b>2018</b> , 32, 10-13   | 0    |   |
| 3  | <sup>18</sup> F-FDG-PET/CT analysis in hospitalized patients affected by pulmonary disease: The experience of the Nuclear Medicine Unit of "Policlinico Tor Vegata". <i>Nuclear Medicine Communications</i> , <b>2021</b> , 42, 1104-1111 | 16   |   |
| 2  | Persistence of SARS-CoV-2 viral RNA in nasopharyngeal swabs after death. <i>Journal of Infection</i> , <b>2021</b> , 82, e3-e5  | 18.9 |   |
| 1  | [Tc]Sestamibi bioaccumulation induces apoptosis in prostate cancer cells: an in vitro study.. <i>Molecular and Cellular Biochemistry</i> , <b>2022</b> , 1  | 4.2  |   |