

Elena Bonanno

List of Publications by Year in descending order

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Version: 2024-02-01

113
papers

4,908
citations

109321
35
h-index

102487
66
g-index

118
all docs

118
docs citations

118
times ranked

6998
citing authors

#	ARTICLE	IF	CITATIONS
1	99mTc-sestamibi breast imaging: Current status, new ideas and future perspectives. <i>Seminars in Cancer Biology</i> , 2022, 84, 302-309.	9.6	17
2	The ETS Homologous Factor (EHF) Represents a Useful Immunohistochemical Marker for Predicting Prostate Cancer Metastasis. <i>Diagnostics</i> , 2022, 12, 800.	2.6	2
3	Preclinical Investigation of Radiopharmaceuticals: An Accurate and Multidisciplinary Approach. <i>Current Radiopharmaceuticals</i> , 2022, 15, 157-163.	0.8	0
4	[99Tc]Sestamibi bioaccumulation induces apoptosis in prostate cancer cells: an in vitro study. <i>Molecular and Cellular Biochemistry</i> , 2022, 477, 2319-2326.	3.1	2
5	Breast cancer metastasis to bone: From epithelial to mesenchymal transition to breast osteoblast-like cells. <i>Seminars in Cancer Biology</i> , 2021, 72, 155-164.	9.6	24
6	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> , 2021, 22, 2028.	4.1	7
7	[99mTc]Tc-Sestamibi Bioaccumulation Can Induce Apoptosis in Breast Cancer Cells: Molecular and Clinical Perspectives. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 2733.	2.5	3
8	Effects of Risk Factors on In Situ Expression of Proinflammatory Markers Correlated to Carotid Plaque Instability. <i>Applied Immunohistochemistry and Molecular Morphology</i> , 2021, Publish Ahead of Print, 741-749.	1.2	3
9	18F-FDG-PET/CT analysis in hospitalized patients affected by pulmonary disease: The experience of the Nuclear Medicine Unit of "Policlinico Tor Vergata". <i>Nuclear Medicine Communications</i> , 2021, 42, 1104-1111.	1.1	0
10	Dose-Response Effect of Vibratory Stimulus on Synaptic and Muscle Plasticity in a Middle-Aged Murine Model. <i>Frontiers in Physiology</i> , 2021, 12, 678449.	2.8	13
11	Silica encapsulation of ZnO nanoparticles reduces their toxicity for cumulus cell-oocyte-complex expansion. <i>Particle and Fibre Toxicology</i> , 2021, 18, 33.	6.2	9
12	The Paradox Effect of Calcification in Carotid Atherosclerosis: Microcalcification Is Correlated with Plaque Instability. <i>International Journal of Molecular Sciences</i> , 2021, 22, 395.	4.1	24
13	Molecular Aspects and Prognostic Significance of Microcalcifications in Human Pathology: A Narrative Review. <i>International Journal of Molecular Sciences</i> , 2021, 22, 120.	4.1	9
14	Novel Biological and Molecular Characterization in Radiopharmaceutical Preclinical Design. <i>Journal of Clinical Medicine</i> , 2021, 10, 4850.	2.4	1
15	High Sensitivity C-Reactive Protein Increases the Risk of Carotid Plaque Instability in Male Dyslipidemic Patients. <i>Diagnostics</i> , 2021, 11, 2117.	2.6	3
16	Morphological evaluation of sympathetic renal innervation in patients with autosomal dominant polycystic kidney disease. <i>Journal of Nephrology</i> , 2020, 33, 83-89.	2.0	1
17	Imaging Diagnostics and Pathology in SARS-CoV-2-Related Diseases. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6960.	4.1	13
18	[99mTc]Sestamibi SPECT Can Predict Proliferation Index, Angiogenesis, and Vascular Invasion in Parathyroid Patients: A Retrospective Study. <i>Journal of Clinical Medicine</i> , 2020, 9, 2213.	2.4	9

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19	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> , 2020, 159, 104957.	7.1	22
20	BMP-2 Variants in Breast Epithelial to Mesenchymal Transition and Microcalcifications Origin. <i>Cells</i> , 2020, 9, 1381.	4.1	20
21	Adjuvant denosumab in early breast cancer. <i>Lancet Oncology</i> , The, 2020, 21, e122.	10.7	4
22	Breast-Specific Gamma Imaging with [99mTc]Tc-Sestamibi: An In Vivo Analysis for Early Identification of Breast Cancer Lesions Expressing Bone Biomarkers. <i>Journal of Clinical Medicine</i> , 2020, 9, 747.	2.4	7
23	New advance in breast cancer pathology and imaging. <i>Future Oncology</i> , 2019, 15, 2707-2722.	2.4	3
24	Imaging Diagnostic and Pathology in the Management of Oncological-Patients. <i>Contrast Media and Molecular Imaging</i> , 2019, 2019, 1-2.	0.8	1
25	Combining Diagnostic Imaging and Pathology for Improving Diagnosis and Prognosis of Cancer. <i>Contrast Media and Molecular Imaging</i> , 2019, 2019, 1-10.	0.8	21
26	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> , 2019, 1872, 138-148.	7.4	31
27	Microcalcifications Drive Breast Cancer Occurrence and Development by Macrophage-Mediated Epithelial to Mesenchymal Transition. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5633.	4.1	32
28	18F- ¹⁸ F-Choline PET/CT Identifies High-Grade Prostate Cancer Lesions Expressing Bone Biomarkers. <i>Journal of Clinical Medicine</i> , 2019, 8, 1657.	2.4	14
29	Negative prognostic value of intra-ductal fat infiltrate in breast cancer. <i>Pathology Research and Practice</i> , 2019, 215, 152634.	2.3	3
30	Plaque calcification is driven by different mechanisms of mineralization associated with specific cardiovascular risk factors. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2019, 29, 1330-1336.	2.6	22
31	Prostate cancer and inflammation: A new molecular imaging challenge in the era of personalized medicine. <i>Nuclear Medicine and Biology</i> , 2019, 68-69, 66-79.	0.6	19
32	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> , 2019, 37, 297.e19-297.e31.	1.6	34
33	Chronic Kidney Disease Is Linked to Carotid Nodular Calcification, An Unstable Plaque Not Correlated to Inflammation. , 2019, 10, 71.		14
34	99mTc sestamibi SPECT: a possible tool for early detection of breast cancer lesions with high bone metastatic potential. <i>Future Oncology</i> , 2019, 15, 455-457.	2.4	14
35	Forcing ATGL expression in hepatocarcinoma cells imposes glycolytic rewiring through PPAR- α /p300-mediated acetylation of p53. <i>Oncogene</i> , 2019, 38, 1860-1875.	5.9	42
36	Electron microscopy in human diseases: diagnostic and research perspectives. <i>Nanomedicine</i> , 2019, 14, 371-373.	3.3	7

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37	Management of oncological patients in the digital era: anatomic pathology and nuclear medicine teamwork. <i>Future Oncology</i> , 2018, 14, 1013-1015.	2.4	29
38	Calcifications in prostate cancer: An active phenomenon mediated by epithelial cells with osteoblast-like phenotype. <i>Microscopy Research and Technique</i> , 2018, 81, 745-748.	2.2	26
39	H2AFX and MDC1 promote maintenance of genomic integrity in male germ cells. <i>Journal of Cell Science</i> , 2018, 131, .	2.0	23
40	Breast Osteoblast-like Cells: A Reliable Early Marker for Bone Metastases From Breast Cancer. <i>Clinical Breast Cancer</i> , 2018, 18, e659-e669.	2.4	56
41	The role of obesity in carotid plaque instability: interaction with age, gender, and cardiovascular risk factors. <i>Cardiovascular Diabetology</i> , 2018, 17, 46.	6.8	35
42	The Anti-VEGF Vascular Endothelial Growth Factor Receptor-1 Monoclonal Antibody D16F7 Inhibits Glioma Growth and Angiogenesis In Vivo. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2018, 364, 77-86.	2.5	24
43	Osteoblast-like cells in human cancers: new cell type and reliable markers for bone metastasis. <i>Future Oncology</i> , 2018, 14, 9-11.	2.4	31
44	Breast microcalcifications: biological and diagnostic perspectives. <i>Future Oncology</i> , 2018, 14, 3097-3099.	2.4	18
45	Prostate Osteoblast-Like Cells: A Reliable Prognostic Marker of Bone Metastasis in Prostate Cancer Patients. <i>Contrast Media and Molecular Imaging</i> , 2018, 2018, 1-12.	0.8	24
46	Nuclear medicine and anatomic pathology in personalized medicine: a challenging alliance. <i>Personalized Medicine</i> , 2018, 15, 457-459.	1.5	17
47	Lowering Etoposide Doses Shifts Cell Demise From Caspase-Dependent to Differentiation and Caspase-3-Independent Apoptosis via DNA Damage Response, Inducing AML Culture Extinction. <i>Frontiers in Pharmacology</i> , 2018, 9, 1307.	3.5	18
48	Breast osteoblast-like cells: a new biomarker for the management of breast cancer. <i>British Journal of Cancer</i> , 2018, 119, 1129-1132.	6.4	32
49	Energy Dispersive X-ray (EDX) microanalysis: A powerful tool in biomedical research and diagnosis. <i>European Journal of Histochemistry</i> , 2018, 62, 2841.	1.5	182
50	Radiological, Histological and Chemical Analysis of Breast Microcalcifications: Diagnostic Value and Biological Significance. <i>Journal of Mammary Gland Biology and Neoplasia</i> , 2018, 23, 89-99.	2.7	46
51	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> , 2018, 62, 78-100.	0.7	4
52	Bone Morphogenetic Proteins and myostatin pathways: key mediator of human sarcopenia. <i>Journal of Translational Medicine</i> , 2017, 15, 34.	4.4	31
53	Silver nanoparticles inhaled during pregnancy reach and affect the placenta and the fetus. <i>Nanotoxicology</i> , 2017, 11, 687-698.	3.0	102
54	PD-L1 in immune-escape of breast and prostate cancers: from biology to therapy. <i>Future Oncology</i> , 2017, 13, 2129-2131.	2.4	13

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55	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> , 2017, 36, 106.	8.6	36
56	Heavy metals accumulation affects bone microarchitecture in osteoporotic patients. <i>Environmental Toxicology</i> , 2017, 32, 1333-1342.	4.0	57
57	Impairment of PTX3 expression in osteoblasts: a key element for osteoporosis. <i>Cell Death and Disease</i> , 2017, 8, e3125-e3125.	6.3	41
58	Rapid Rapamycin-Only Induced Osteogenic Differentiation of Blood-Derived Stem Cells and Their Adhesion to Natural and Artificial Scaffolds. <i>Stem Cells International</i> , 2017, 2017, 1-12.	2.5	5
59	Ellagic Acid Inhibits Bladder Cancer Invasiveness and In Vivo Tumor Growth. <i>Nutrients</i> , 2016, 8, 744.	4.1	76
60	The role of sarcopenia with and without fracture. <i>Injury</i> , 2016, 47, S3-S10.	1.7	31
61	Emerging prognostic markers related to mesenchymal characteristics of poorly differentiated breast cancers. <i>Tumor Biology</i> , 2016, 37, 5427-5435.	1.8	62
62	<i>In vitro</i> and <i>in vivo</i> inhibition of breast cancer cell growth by targeting the Hedgehog/GLI pathway with SMO (GDC-0449) or GLI (GANT-61) inhibitors. <i>Oncotarget</i> , 2016, 7, 9250-9270.	1.8	112
63	Satellite Cells CD44 Positive Drive Muscle Regeneration in Osteoarthritis Patients. <i>Stem Cells International</i> , 2015, 2015, 1-11.	2.5	21
64	Detection of Insulinitis by Pancreatic Scintigraphy With 99mTc-Labeled IL-2 and MRI in Patients With LADA (Action LADA 10). <i>Diabetes Care</i> , 2015, 38, 652-658.	8.6	35
65	Performance evaluation of Anyplex [®] , [®] HPV28 detection kit in a routine diagnostic setting: Comparison with the HPV Sign [®] Genotyping Test. <i>Journal of Virological Methods</i> , 2015, 217, 8-13.	2.1	12
66	Sarcopenia: a histological and immunohistochemical study on age-related muscle impairment. <i>Aging Clinical and Experimental Research</i> , 2015, 27, 51-60.	2.9	24
67	A new water soluble MAPK activator exerts antitumor activity in melanoma cells resistant to the BRAF inhibitor vemurafenib. <i>Biochemical Pharmacology</i> , 2015, 95, 16-27.	4.4	29
68	In Vivo Imaging of Natural Killer Cell Trafficking in Tumors. <i>Journal of Nuclear Medicine</i> , 2015, 56, 1575-1580.	5.0	37
69	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> , 2015, 6, 4126-4143.	1.8	22
70	High Insulin [®] -Induced Down [®] Regulation of Erk [®] /IGF [®] 1R/FGFR [®] 1 Signaling Is Required for Oxidative Stress [®] -Mediated Apoptosis of Adipose [®] -Derived Stem Cells. <i>Journal of Cellular Physiology</i> , 2014, 229, 2077-2087.	4.1	21
71	In vivo and in vitro evidence that 99mTc-HYNIC-interleukin-2 is able to detect T lymphocytes in vulnerable atherosclerotic plaques of the carotid artery. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2014, 41, 1710-1719.	6.4	41
72	Microcalcifications in breast cancer: an active phenomenon mediated by epithelial cells with mesenchymal characteristics. <i>BMC Cancer</i> , 2014, 14, 286.	2.6	151

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73	External Quality Assessment (EQA) program for the preanalytical and analytical immunohistochemical determination of HER2 in breast cancer: an experience on a regional scale. <i>Journal of Experimental and Clinical Cancer Research</i> , 2013, 32, 58.	8.6	9
74	Coronary calcification identifies the vulnerable patient rather than the vulnerable Plaque. <i>Atherosclerosis</i> , 2013, 229, 124-129.	0.8	87
75	Subclinical Breast Cancer: Minimally Invasive Approaches. Our Experience with Percutaneous Radiofrequency Ablation vs. Cryotherapy. <i>Breast Care</i> , 2013, 8, 356-360.	1.4	48
76	Platelet-Rich Plasma Greatly Potentiates Insulin-Induced Adipogenic Differentiation of Human Adipose-Derived Stem Cells Through a Serine/Threonine Kinase Akt-Dependent Mechanism and Promotes Clinical Fat Graft Maintenance. <i>Stem Cells Translational Medicine</i> , 2012, 1, 206-220.	3.3	135
77	miR-24 triggers epidermal differentiation by controlling actin adhesion and cell migration. <i>Journal of Cell Biology</i> , 2012, 199, 347-363.	5.2	87
78	Spontaneous immunogenicity of ribosomal P0 protein in patients with benign and malignant breast lesions and delay of mammary tumor growth in P0 α -vaccinated mice. <i>Cancer Science</i> , 2011, 102, 509-515.	3.9	15
79	Percutaneous local ablation of unifocal subclinical breast cancer: clinical experience and preliminary results of cryotherapy. <i>European Radiology</i> , 2011, 21, 2344-2353.	4.5	65
80	Molecular imaging in atherosclerosis. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2010, 37, 2381-2397.	6.4	35
81	Small Breast Cancers: In Vivo Percutaneous US-guided Radiofrequency Ablation with Dedicated Cool-Tip Radiofrequency System. <i>Radiology</i> , 2009, 251, 339-346.	7.3	79
82	Radiolabeled Humanized Anti-CD3 Monoclonal Antibody Visilizumab for Imaging Human T-Lymphocytes. <i>Journal of Nuclear Medicine</i> , 2009, 50, 1683-1691.	5.0	23
83	In vitro and in vivo efficacy of 6-(7-nitro-2,1,3-benzoxadiazol-4-ylthio)hexanol (NBDHEX) on human melanoma. <i>European Journal of Cancer</i> , 2009, 45, 2606-2617.	2.8	30
84	A Phyllodes Tumor in a Child. <i>Journal of Pediatric and Adolescent Gynecology</i> , 2009, 22, e21-e24.	0.7	15
85	Clusterin in Stool: A New Biomarker for Colon Cancer Screening?. <i>American Journal of Gastroenterology</i> , 2009, 104, 2807-2815.	0.4	45
86	123I-Interleukin-2 uptake in squamous cell carcinoma of the head and neck carcinoma. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2008, 35, 281-286.	6.4	22
87	Protein unlocking procedures of formalin α -fixed paraffin α -embedded tissues: Application to MALDI α -TOF Imaging MS investigations. <i>Proteomics</i> , 2008, 8, 3702-3714.	2.2	94
88	Prognostic Value of CD25 Expression on Lymphocytes and Tumor Cells in Squamous-Cell Carcinoma of the Head and Neck. <i>Cancer Biotherapy and Radiopharmaceuticals</i> , 2008, 23, 25-33.	1.0	27
89	The Inhibition of the Highly Expressed Mir-221 and Mir-222 Impairs the Growth of Prostate Carcinoma Xenografts in Mice. <i>PLoS ONE</i> , 2008, 3, e4029.	2.5	219
90	ANNEXIN V DETECTION OF LIPOPOLYSACCHARIDE-INDUCED CARDIAC APOPTOSIS. <i>Shock</i> , 2007, 27, 69-74.	2.1	15

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91	Role of Inflammation in Atherosclerosis. Journal of Nuclear Medicine, 2007, 48, 1800-1815.	5.0	212
92	Persistent Chlamydia pneumoniae Infection of Cardiomyocytes Is Correlated with Fatal Myocardial Infarction. American Journal of Pathology, 2007, 170, 33-42.	3.8	19
93	Stool test for colorectal cancer screening: What is going on?. Surgical Oncology, 2007, 16, 43-45.	1.6	5
94	Pregnancy-Associated Plasma Protein-A Is Markedly Expressed by Monocyte-Macrophage Cells in Vulnerable and Ruptured Carotid Atherosclerotic Plaques. Journal of the American College of Cardiology, 2006, 47, 2201-2211.	2.8	96
95	Synthesis of ^{99m} Tc-HYNIC-interleukin-12, a new specific radiopharmaceutical for imaging T lymphocytes. European Journal of Nuclear Medicine and Molecular Imaging, 2006, 33, 474-482.	6.4	27
96	^{99m} Tc-interleukin-2 scintigraphy for the in vivo imaging of vulnerable atherosclerotic plaques. European Journal of Nuclear Medicine and Molecular Imaging, 2006, 33, 117-126.	6.4	78
97	In vivo apoptosis detection with radioiodinated Annexin V in LoVo tumour-bearing mice following Tipifarnib (Zarnestra, R115777) farnesyltransferase inhibitor therapy. Nuclear Medicine and Biology, 2005, 32, 233-239.	0.6	12
98	Diffuse and Active Inflammation Occurs in Both Vulnerable and Stable Plaques of the Entire Coronary Tree. Journal of the American College of Cardiology, 2005, 45, 1585-1593.	2.8	204
99	Widespread Myocardial Inflammation and Infarct-Related Artery Patency. Circulation, 2004, 110, 46-50.	1.6	114
100	Extracranial Thrombotically Active Carotid Plaque as a Risk Factor for Ischemic Stroke. JAMA - Journal of the American Medical Association, 2004, 292, 1845.	7.4	392
101	Sphingosine 1-Phosphate Induces Antimicrobial Activity Both In Vitro and In Vivo. Journal of Infectious Diseases, 2004, 189, 2129-2138.	4.0	83
102	Modulation of different clusterin isoforms in human colon tumorigenesis. Oncogene, 2004, 23, 2298-2304.	5.9	203
103	^{99m} Tc-interleukin-2 scintigraphy as a potential tool for evaluating tumor-infiltrating lymphocytes in melanoma lesions: a validation study. Journal of Nuclear Medicine, 2004, 45, 1647-52.	5.0	35
104	Radiolabelled lymphokines and growth factors for in vivo imaging of inflammation, infection and cancer. Trends in Immunology, 2003, 24, 395-402.	6.8	14
105	Multicentric inflammation in epicardial coronary arteries of patients dying of acute myocardial infarction. Journal of the American College of Cardiology, 2002, 40, 1579-1588.	2.8	100
106	Solitary fibrous tumor of the orbit. World Neurosurgery, 2001, 56, 242-246.	1.3	31
107	Flow cytometry analysis of atherosclerotic plaque cells from human carotids: a validation study. , 2000, 39, 158-165.		25
108	TYPE IV COLLAGEN MODULATES ANGIOGENESIS AND NEOVESSEL SURVIVAL IN THE RAT AORTA MODEL. In Vitro Cellular and Developmental Biology - Animal, 2000, 36, 336.	1.5	62

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109	Human Immunodeficiency Virus Infection of Human Bone Marrow Stromal Myoid Cells. Scandinavian Journal of Infectious Diseases, 1996, 28, 335-340.	1.5	7
110	Modulation of Angiogenesis in Vitro by Laminin-Entactin Complex. Developmental Biology, 1994, 164, 197-206.	2.0	68
111	Large-vessel endothelium switches to a microvascular phenotype during angiogenesis in collagen gel culture of rat aorta. Atherosclerosis, 1992, 95, 191-199.	0.8	53
112	Regulation of angiogenesis in vitro by collagen metabolism. In Vitro Cellular & Developmental Biology, 1991, 27, 961-966.	1.0	38
113	Breast Microcalcifications: A Focus. Journal of Cell Science & Therapy, 0, s8, .	0.3	6