

Elena Bonanno

List of Publications by Year in descending order

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113
papers

4,908
citations

109264

35
h-index

102432

66
g-index

118
all docs

118
docs citations

118
times ranked

6998
citing authors

#	ARTICLE	IF	CITATIONS
1	Extracranial Thrombotically Active Carotid Plaque as a Risk Factor for Ischemic Stroke. JAMA - Journal of the American Medical Association, 2004, 292, 1845.	3.8	392
2	The Inhibition of the Highly Expressed Mir-221 and Mir-222 Impairs the Growth of Prostate Carcinoma Xenografts in Mice. PLoS ONE, 2008, 3, e4029.	1.1	219
3	Role of Inflammation in Atherosclerosis. Journal of Nuclear Medicine, 2007, 48, 1800-1815.	2.8	212
4	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.	1.2	204
5	Modulation of different clusterin isoforms in human colon tumorigenesis. Oncogene, 2004, 23, 2298-2304.	2.6	203
6	Energy Dispersive X-ray (EDX) microanalysis: A powerful tool in biomedical research and diagnosis. European Journal of Histochemistry, 2018, 62, 2841.	0.6	182
7	Microcalcifications in breast cancer: an active phenomenon mediated by epithelial cells with mesenchymal characteristics. BMC Cancer, 2014, 14, 286.	1.1	151
8	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. Stem Cells Translational Medicine, 2012, 1, 206-220.	1.6	135
9	Widespread Myocardial Inflammation and Infarct-Related Artery Patency. Circulation, 2004, 110, 46-50.	1.6	114
10	<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. Oncotarget, 2016, 7, 9250-9270.	0.8	112
11	Silver nanoparticles inhaled during pregnancy reach and affect the placenta and the foetus. Nanotoxicology, 2017, 11, 687-698.	1.6	102
12	Multicentric inflammation in epicardial coronary arteries of patients dying of acute myocardial infarction. Journal of the American College of Cardiology, 2002, 40, 1579-1588.	1.2	100
13	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.	1.2	96
14	Protein unlocking procedures of formalin-fixed paraffin-embedded tissues: Application to MALDI-TOF Imaging MS investigations. Proteomics, 2008, 8, 3702-3714.	1.3	94
15	miR-24 triggers epidermal differentiation by controlling actin adhesion and cell migration. Journal of Cell Biology, 2012, 199, 347-363.	2.3	87
16	Coronary calcification identifies the vulnerable patient rather than the vulnerable Plaque. Atherosclerosis, 2013, 229, 124-129.	0.4	87
17	Sphingosine 1-Phosphate Induces Antimicrobial Activity Both In Vitro and In Vivo. Journal of Infectious Diseases, 2004, 189, 2129-2138.	1.9	83
18	Small Breast Cancers: In Vivo Percutaneous US-guided Radiofrequency Ablation with Dedicated Cool-Tip Radiofrequency System. Radiology, 2009, 251, 339-346.	3.6	79

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19	99mTc-interleukin-2 scintigraphy for the in vivo imaging of vulnerable atherosclerotic plaques. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2006, 33, 117-126.	3.3	78
20	Ellagic Acid Inhibits Bladder Cancer Invasiveness and In Vivo Tumor Growth. <i>Nutrients</i> , 2016, 8, 744.	1.7	76
21	Modulation of Angiogenesis in Vitro by Laminin-Entactin Complex. <i>Developmental Biology</i> , 1994, 164, 197-206.	0.9	68
22	Percutaneous local ablation of unifocal subclinical breast cancer: clinical experience and preliminary results of cryotherapy. <i>European Radiology</i> , 2011, 21, 2344-2353.	2.3	65
23	TYPE IV COLLAGEN MODULATES ANGIOGENESIS AND NEOVESSEL SURVIVAL IN THE RAT AORTA MODEL. In <i>Vitro Cellular and Developmental Biology - Animal</i> , 2000, 36, 336.	0.7	62
24	Emerging prognostic markers related to mesenchymal characteristics of poorly differentiated breast cancers. <i>Tumor Biology</i> , 2016, 37, 5427-5435.	0.8	62
25	Heavy metals accumulation affects bone microarchitecture in osteoporotic patients. <i>Environmental Toxicology</i> , 2017, 32, 1333-1342.	2.1	57
26	Breast Osteoblast-like Cells: A Reliable Early Marker for Bone Metastases From Breast Cancer. <i>Clinical Breast Cancer</i> , 2018, 18, e659-e669.	1.1	56
27	Large-vessel endothelium switches to a microvascular phenotype during angiogenesis in collagen gel culture of rat aorta. <i>Atherosclerosis</i> , 1992, 95, 191-199.	0.4	53
28	Subclinical Breast Cancer: Minimally Invasive Approaches. Our Experience with Percutaneous Radiofrequency Ablation vs. Cryotherapy. <i>Breast Care</i> , 2013, 8, 356-360.	0.8	48
29	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.	1.0	46
30	Clusterin in Stool: A New Biomarker for Colon Cancer Screening?. <i>American Journal of Gastroenterology</i> , 2009, 104, 2807-2815.	0.2	45
31	Forcing ATGL expression in hepatocarcinoma cells imposes glycolytic rewiring through PPAR-1 α /p300-mediated acetylation of p53. <i>Oncogene</i> , 2019, 38, 1860-1875.	2.6	42
32	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.	3.3	41
33	Impairment of PTX3 expression in osteoblasts: a key element for osteoporosis. <i>Cell Death and Disease</i> , 2017, 8, e3125-e3125.	2.7	41
34	Regulation of angiogenesis in vitro by collagen metabolism. <i>In Vitro Cellular & Developmental Biology</i> , 1991, 27, 961-966.	1.0	38
35	In Vivo Imaging of Natural Killer Cell Trafficking in Tumors. <i>Journal of Nuclear Medicine</i> , 2015, 56, 1575-1580.	2.8	37
36	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.	3.5	36

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37	Molecular imaging in atherosclerosis. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2010, 37, 2381-2397.	3.3	35
38	Detection of Insulinitis by Pancreatic Scintigraphy With ^{99m} Tc-Labeled IL-2 and MRI in Patients With LADA (Action LADA 10). <i>Diabetes Care</i> , 2015, 38, 652-658.	4.3	35
39	The role of obesity in carotid plaque instability: interaction with age, gender, and cardiovascular risk factors. <i>Cardiovascular Diabetology</i> , 2018, 17, 46.	2.7	35
40	^{99m} Tc-interleukin-2 scintigraphy as a potential tool for evaluating tumor-infiltrating lymphocytes in melanoma lesions: a validation study. <i>Journal of Nuclear Medicine</i> , 2004, 45, 1647-52.	2.8	35
41	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.	0.8	34
42	Breast osteoblast-like cells: a new biomarker for the management of breast cancer. <i>British Journal of Cancer</i> , 2018, 119, 1129-1132.	2.9	32
43	Microcalcifications Drive Breast Cancer Occurrence and Development by Macrophage-Mediated Epithelial to Mesenchymal Transition. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5633.	1.8	32
44	Solitary fibrous tumor of the orbit. <i>World Neurosurgery</i> , 2001, 56, 242-246.	1.3	31
45	The role of sarcopenia with and without fracture. <i>Injury</i> , 2016, 47, S3-S10.	0.7	31
46	Bone Morphogenetic Proteins and myostatin pathways: key mediator of human sarcopenia. <i>Journal of Translational Medicine</i> , 2017, 15, 34.	1.8	31
47	Osteoblast-like cells in human cancers: new cell type and reliable markers for bone metastasis. <i>Future Oncology</i> , 2018, 14, 9-11.	1.1	31
48	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.	3.3	31
49	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.	1.3	30
50	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.	2.0	29
51	Management of oncological patients in the digital era: anatomic pathology and nuclear medicine teamwork. <i>Future Oncology</i> , 2018, 14, 1013-1015.	1.1	29
52	Synthesis of ^{99m} Tc-HYNIC-interleukin-12, a new specific radiopharmaceutical for imaging T lymphocytes. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2006, 33, 474-482.	3.3	27
53	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.	0.7	27
54	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.	1.2	26

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55	Flow cytometry analysis of atherosclerotic plaque cells from human carotids: a validation study. , 2000, 39, 158-165.		25
56	Sarcopenia: a histological and immunohistochemical study on age-related muscle impairment. Aging Clinical and Experimental Research, 2015, 27, 51-60.	1.4	24
57	The Anti-“Vascular Endothelial Growth Factor Receptor-1 Monoclonal Antibody D16F7 Inhibits Glioma Growth and Angiogenesis In Vivo. Journal of Pharmacology and Experimental Therapeutics, 2018, 364, 77-86.	1.3	24
58	Prostate Osteoblast-Like Cells: A Reliable Prognostic Marker of Bone Metastasis in Prostate Cancer Patients. Contrast Media and Molecular Imaging, 2018, 2018, 1-12.	0.4	24
59	Breast cancer metastasis to bone: From epithelial to mesenchymal transition to breast osteoblast-like cells. Seminars in Cancer Biology, 2021, 72, 155-164.	4.3	24
60	The Paradox Effect of Calcification in Carotid Atherosclerosis: Microcalcification Is Correlated with Plaque Instability. International Journal of Molecular Sciences, 2021, 22, 395.	1.8	24
61	Radiolabeled Humanized Anti-CD3 Monoclonal Antibody Visilizumab for Imaging Human T-Lymphocytes. Journal of Nuclear Medicine, 2009, 50, 1683-1691.	2.8	23
62	H2AFX and MDC1 promote maintenance of genomic integrity in male germ cells. Journal of Cell Science, 2018, 131, .	1.2	23
63	123I-Interleukin-2 uptake in squamous cell carcinoma of the head and neck carcinoma. European Journal of Nuclear Medicine and Molecular Imaging, 2008, 35, 281-286.	3.3	22
64	Plaque calcification is driven by different mechanisms of mineralization associated with specific cardiovascular risk factors. Nutrition, Metabolism and Cardiovascular Diseases, 2019, 29, 1330-1336.	1.1	22
65	Targeting the vascular endothelial growth factor receptor-1 by the monoclonal antibody D16F7 to increase the activity of immune checkpoint inhibitors against cutaneous melanoma. Pharmacological Research, 2020, 159, 104957.	3.1	22
66	A novel orally active water-soluble inhibitor of human glutathione transferase exerts a potent and selective antitumor activity against human melanoma xenografts. Oncotarget, 2015, 6, 4126-4143.	0.8	22
67	High Insulin-Induced Down-Regulation of Erk-1/IGF-1R/FGFR-1 Signaling Is Required for Oxidative Stress-Mediated Apoptosis of Adipose-Derived Stem Cells. Journal of Cellular Physiology, 2014, 229, 2077-2087.	2.0	21
68	Satellite Cells CD44 Positive Drive Muscle Regeneration in Osteoarthritis Patients. Stem Cells International, 2015, 2015, 1-11.	1.2	21
69	Combining Diagnostic Imaging and Pathology for Improving Diagnosis and Prognosis of Cancer. Contrast Media and Molecular Imaging, 2019, 2019, 1-10.	0.4	21
70	BMP-2 Variants in Breast Epithelial to Mesenchymal Transition and Microcalcifications Origin. Cells, 2020, 9, 1381.	1.8	20
71	Persistent Chlamydia pneumoniae Infection of Cardiomyocytes Is Correlated with Fatal Myocardial Infarction. American Journal of Pathology, 2007, 170, 33-42.	1.9	19
72	Prostate cancer and inflammation: A new molecular imaging challenge in the era of personalized medicine. Nuclear Medicine and Biology, 2019, 68-69, 66-79.	0.3	19

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73	Breast microcalcifications: biological and diagnostic perspectives. <i>Future Oncology</i> , 2018, 14, 3097-3099.	1.1	18
74	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.	1.6	18
75	Nuclear medicine and anatomic pathology in personalized medicine: a challenging alliance. <i>Personalized Medicine</i> , 2018, 15, 457-459.	0.8	17
76	^{99m} Tc-sestamibi breast imaging: Current status, new ideas and future perspectives. <i>Seminars in Cancer Biology</i> , 2022, 84, 302-309.	4.3	17
77	ANNEXIN V DETECTION OF LIPOPOLYSACCHARIDE-INDUCED CARDIAC APOPTOSIS. <i>Shock</i> , 2007, 27, 69-74.	1.0	15
78	A Phyllodes Tumor in a Child. <i>Journal of Pediatric and Adolescent Gynecology</i> , 2009, 22, e21-e24.	0.3	15
79	Spontaneous immunogenicity of ribosomal P0 protein in patients with benign and malignant breast lesions and delay of mammary tumor growth in P0-vaccinated mice. <i>Cancer Science</i> , 2011, 102, 509-515.	1.7	15
80	Radiolabelled lymphokines and growth factors for in vivo imaging of inflammation, infection and cancer. <i>Trends in Immunology</i> , 2003, 24, 395-402.	2.9	14
81	^{18F} -Choline PET/CT Identifies High-Grade Prostate Cancer Lesions Expressing Bone Biomarkers. <i>Journal of Clinical Medicine</i> , 2019, 8, 1657.	1.0	14
82	Chronic Kidney Disease Is Linked to Carotid Nodular Calcification, An Unstable Plaque Not Correlated to Inflammation. , 2019, 10, 71.		14
83	^{99m} Tc 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.	1.1	14
84	PD-L1 in immune-escape of breast and prostate cancers: from biology to therapy. <i>Future Oncology</i> , 2017, 13, 2129-2131.	1.1	13
85	Imaging Diagnostics and Pathology in SARS-CoV-2-Related Diseases. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6960.	1.8	13
86	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.	1.3	13
87	In vivo apoptosis detection with radioiodinated Annexin V in LoVo tumour-bearing mice following Tipifarnib (Zarnestra, R115777) farnesyltransferase inhibitor therapy. <i>Nuclear Medicine and Biology</i> , 2005, 32, 233-239.	0.3	12
88	Performance evaluation of Anyplex [®] , [®] II 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.	1.0	12
89	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.	3.5	9
90	[^{99m} Tc]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.	1.0	9

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91	Silica encapsulation of ZnO nanoparticles reduces their toxicity for cumulus cell-oocyte-complex expansion. <i>Particle and Fibre Toxicology</i> , 2021, 18, 33.	2.8	9
92	Molecular Aspects and Prognostic Significance of Microcalcifications in Human Pathology: A Narrative Review. <i>International Journal of Molecular Sciences</i> , 2021, 22, 120.	1.8	9
93	Human Immunodeficiency Virus Infection of Human Bone Marrow Stromal Myoid Cells. <i>Scandinavian Journal of Infectious Diseases</i> , 1996, 28, 335-340.	1.5	7
94	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.	1.0	7
95	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.	1.8	7
96	Electron microscopy in human diseases: diagnostic and research perspectives. <i>Nanomedicine</i> , 2019, 14, 371-373.	1.7	7
97	Breast Microcalcifications: A Focus. <i>Journal of Cell Science & Therapy</i> , 0, s8, .	0.3	6
98	Stool test for colorectal cancer screening: What is going on?. <i>Surgical Oncology</i> , 2007, 16, 43-45.	0.8	5
99	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.	1.2	5
100	Adjuvant denosumab in early breast cancer. <i>Lancet Oncology</i> , The, 2020, 21, e122.	5.1	4
101	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.	0.4	4
102	New advance in breast cancer pathology and imaging. <i>Future Oncology</i> , 2019, 15, 2707-2722.	1.1	3
103	Negative prognostic value of intra-ductal fat infiltrate in breast cancer. <i>Pathology Research and Practice</i> , 2019, 215, 152634.	1.0	3
104	[99mTc]Tc-Sestamibi Bioaccumulation Can Induce Apoptosis in Breast Cancer Cells: Molecular and Clinical Perspectives. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 2733.	1.3	3
105	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.	0.6	3
106	High Sensitivity C-Reactive Protein Increases the Risk of Carotid Plaque Instability in Male Dyslipidemic Patients. <i>Diagnostics</i> , 2021, 11, 2117.	1.3	3
107	The ETS Homologous Factor (EHF) Represents a Useful Immunohistochemical Marker for Predicting Prostate Cancer Metastasis. <i>Diagnostics</i> , 2022, 12, 800.	1.3	2
108	[99Tc]Sestamibi bioaccumulation induces apoptosis in prostate cancer cells: an in vitro study. <i>Molecular and Cellular Biochemistry</i> , 2022, 477, 2319-2326.	1.4	2

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109	Imaging Diagnostic and Pathology in the Management of Oncological-Patients. Contrast Media and Molecular Imaging, 2019, 2019, 1-2.	0.4	1
110	Morphological evaluation of sympathetic renal innervation in patients with autosomal dominant polycystic kidney disease. Journal of Nephrology, 2020, 33, 83-89.	0.9	1
111	Novel Biological and Molecular Characterization in Radiopharmaceutical Preclinical Design. Journal of Clinical Medicine, 2021, 10, 4850.	1.0	1
112	¹⁸ F-FDG-PET/CT analysis in hospitalized patients affected by pulmonary disease: The experience of the Nuclear Medicine Unit of "Policlinico Tor Vegata". Nuclear Medicine Communications, 2021, 42, 1104-1111.	0.5	0
113	Preclinical Investigation of Radiopharmaceuticals: An Accurate and Multidisciplinary Approach. Current Radiopharmaceuticals, 2022, 15, 157-163.	0.3	0