Andrea M Mastro

List of Publications by Year
in descending order

#	Article	IF	Citations
1	Preferential uptake of antibody targeted calcium phosphosilicate nanoparticles by metastatic triple negative breast cancer cells in co-cultures of human metastatic breast cancer cells plus bone osteoblasts. Nanomedicine: Nanotechnology, Biology, and Medicine, 2021, 34, 102383.	1.7	5
2	A role for CBFÎ² in maintaining the metastatic phenotype of breast cancer cells. Oncogene, 2020, 39, 2624-2637.	2.6	11
3	Physical Activity Plus Energy Restriction Prevents 4T1.2 Mammary Tumor Progression, MDSC Accumulation, and an Immunosuppressive Tumor Microenvironment. Cancer Prevention Research, 2019, 12, 493-506.	0.7	24
4	A Spontaneous 3D Boneâ€Onâ€aâ€Chip for Bone Metastasis Study of Breast Cancer Cells. Small, 2018, 14, e1702787.	5.2	138
5	Role of Megakaryocytes in Breast Cancer Metastasis to Bone. Cancer Research, 2017, 77, 1942-1954.	0.4	38
6	Bioactive growth hormone in older men and women: It's relationship to immune markers and healthspan. Growth Hormone and IGF Research, 2017, 34, 45-54.	0.5	6
7	A bone-on-a-chip microdevice for long-term spontaneous 3D bone tissue formation and cancer bone metastasis. , 2017, , .		1
8	Threeâ€Dimensional in Vitro Model to Study Osteobiology and Osteopathology. Journal of Cellular Biochemistry, 2015, 116, 2715-2723.	1.2	16
9	Dormancy and growth of metastatic breast cancer cells in a bone-like microenvironment. Clinical and Experimental Metastasis, 2015, 32, 335-344.	1.7	60
10	In Vitro Mimics of Bone Remodeling and the Vicious Cycle of Cancer in Bone. Journal of Cellular Physiology, 2014, 229, 453-462.	2.0	39
11	Dietary selenium supplementation modifies breast tumor growth and metastasis. International Journal of Cancer, 2013, 133, 2054-2064.	2.3	85
12	Responses of proenkephalin Peptide F to aerobic exercise stress in the plasma and white blood cell biocompartments. Peptides, 2013, 42, 118-124.	1.2	6
13	Is Selenium a Potential Treatment for Cancer Metastasis?. Nutrients, 2013, 5, 1149-1168.	1.7	105
14	Association between plasma cyclic guanosine monophosphate levels and hemodynamic instability during liver transplantation. Liver Transplantation, 2013, 19, 191-198.	1.3	17
15	Comparison of acute supplementation with whey, soy or carbohydrate on lymphocyte responses to resistance exercise. FASEB Journal, 2013, 27, lb761.	0.2	0
16	Changes in Cytokines of the Bone Microenvironment during Breast Cancer Metastasis. International Journal of Breast Cancer, 2012, 2012, 1-9.	0.6	43
17	Neuroendocrine-Immune Interactions and Responses to Exercise. Sports Medicine, 2011, 41, 621-639.	3.1	102
18	Glucocorticoid Receptor Expression on Human B Cells in Response to Acute Heavy Resistance Exercise. NeuroImmunoModulation, 2011, 18, 156-164.	0.9	13

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19	The Influence of Metastatic Breast Cancer on the Bone Microenvironment. , 2011, , 347-368.		0
20	Release of cytokines and hemodynamic instability during the reperfusion of a liver graft. Liver Transplantation, 2011, 17, 324-330.	1.3	43
21	Dynamic interaction between breast cancer cells and osteoblastic tissue: Comparison of Twoâ€•and Threeâ€dimensional cultures. Journal of Cellular Physiology, 2011, 226, 2150-2158.	2.0	59
22	Leukocyte Î²2-Adrenergic Receptor Expression in Response to Resistance Exercise. Medicine and Science in Sports and Exercise, 2011, 43, 1422-1432.	0.2	30
23	Pre-osteoblastic MC3T3-E1 cells promote breast cancer growth in bone in a murine xenograft model. Chinese Journal of Cancer, 2011, 30, 189-196.	4.9	12
24	Osteogenesis in vitro: from pre-osteoblasts to osteocytes. In Vitro Cellular and Developmental Biology - Animal, 2010, 46, 28-35.	0.7	27
25	Localization of osteoblast inflammatory cytokines MCP-1 and VEGF to the matrix of the trabecula of the femur, a target area for metastatic breast cancer cell colonization. Clinical and Experimental Metastasis, 2010, 27, 331-340.	1.7	26
26	Osteoblasts are a major source of inflammatory cytokines in the tumor microenvironment of bone metastatic breast cancer. Journal of Cellular Biochemistry, 2010, 111, 1138-1148.	1.2	83
27	Breast cancer metastasis to the bone: mechanisms of bone loss. Breast Cancer Research, 2010, 12, 215.	2.2	227
28	Selenium modifies the osteoblast inflammatory stress response to bone metastatic breast cancer. Carcinogenesis, 2009, 30, 1941-1948.	1.3	58
29	A Three-Dimensional Osteogenic Tissue Model for the Study of Metastatic Tumor Cell Interactions with Bone. Cancer Research, 2009, 69, 4097-4100.	0.4	71
30	Ex-vivo Analysis of the Bone Microenvironment in Bone Metastatic Breast Cancer. Journal of Mammary Gland Biology and Neoplasia, 2009, 14, 387-395.	1.0	10
31	The bone microenvironment in metastasis; what is special about bone?. Cancer and Metastasis Reviews, 2008, 27, 41-55.	2.7	247
32	Metastatic breast cancer cells colonize and degrade three-dimensional osteoblastic tissue inÂvitro. Clinical and Experimental Metastasis, 2008, 25, 741-752.	1.7	45
33	Metastatic breast cancer induces an osteoblast inflammatory response. Experimental Cell Research, 2008, 314, 173-183.	1.2	88
34	Influence of oral contraceptive use on growth hormone in vivo bioactivity following resistance exercise: Responses of molecular mass variants. Growth Hormone and IGF Research, 2008, 18, 238-244.	0.5	12
35	Study of Cellular Adhesion with Scanning Acoustic Microscopy. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2007, 54, 1502-1513.	1.7	14
36	Influence of substratum surface chemistry/energy and topography on the human fetal osteoblastic cell line hFOB 1.19: Phenotypic and genotypic responses observed in vitroâ˜†. Biomaterials, 2007, 28, 4535-4550.	5.7	292

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37	Proenkephalin peptide F immunoreactivity in different circulatory biocompartments after exercise. Peptides, 2006, 27, 1498-1506.	1.2	8
38	Chronic resistance training in women potentiates growth hormone in vivo bioactivity: characterization of molecular mass variants. American Journal of Physiology - Endocrinology and Metabolism, 2006, 291, E1177-E1187.	1.8	39
39	Extended-Term Culture of Bone Cells in a Compartmentalized Bioreactor. Tissue Engineering, 2006, 12, 3045-3054.	4.9	34
40	Kinetics of Metastatic Breast Cancer Cell Trafficking in Bone. Clinical Cancer Research, 2006, 12, 1431-1440.	3.2	110
41	Nutritional Status Predicts Primary Subclasses of T Cells and the Lymphocyte Proliferation Response in Healthy Older Women. Journal of Nutrition, 2005, 135, 2644-2650.	1.3	19
42	Exercise and Lymphocyte Activation following Chemotherapy for Breast Cancer. Medicine and Science in Sports and Exercise, 2005, 37, 1827-1835.	0.2	116
43	Cytokines secreted by bone-metastatic breast cancer cells alter the expression pattern of f-actin and reduce focal adhesion plaques in osteoblasts through PI3K. Experimental Cell Research, 2005, 310, 270-281.	1.2	20
44	Immune function is impaired in iron-deficient, homebound, older women. American Journal of Clinical Nutrition, 2004, 79, 516-521.	2.2	92
45	A small molecule antagonist of the Î±vÎ²3integrin suppresses MDA-MB-435 skeletal metastasis. Clinical and Experimental Metastasis, 2004, 21, 119-128.	1.7	105
46	Metastatic breast cancer cells suppress osteoblast adhesion and differentiation. Clinical and Experimental Metastasis, 2004, 21, 427-435.	1.7	69
47	Breast cancer cells induce osteoblast apoptosis: A possible contributor to bone degradation. Journal of Cellular Biochemistry, 2004, 91, 265-276.	1.2	74
48	Osteoblast adhesion of breast cancer cells with scanned image microscopy. , 2004, , .		0
49	The skeleton as a unique environment for breast cancer cells. Clinical and Experimental Metastasis, 2003, 20, 275-284.	1.7	68
50	Inter- and intra-individual variation in tests of cell-mediated immunity in young and old women. Mechanisms of Ageing and Development, 2003, 124, 619-627.	2.2	9
51	Exercise increases prolactin-receptor expression on human lymphocytes. Journal of Applied Physiology, 2003, 94, 518-524.	1.2	13
52	Maternal Selenium Nutrition and Neonatal Immune System Development. Neonatology, 2002, 82, 122-127.	0.9	22
53	The effect of donor age on the sensitivity of osteoblasts to the proliferative effects of TGFÎ² and 1,25(OH2) vitamin D3. Life Sciences, 2002, 70, 2967-2975.	2.0	18
54	Effects of resistance training on resting immune parameters in women. European Journal of Applied Physiology, 2002, 87, 506-508.	1.2	18

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55	Prolactin and Prolactin Receptor Expression in Rat, Small Intestine, Intraepithelial Lymphocytes During Neonatal Developmen. Autoimmunity, 2001, 8, 319-330.	0.6	7
56	Lymphocyte proliferation in response to acute heavy resistance exercise in women: influence of muscle strength and total work. European Journal of Applied Physiology, 2001, 85, 367-373.	1.2	39
57	Cytokine production by stimulated mononuclear cells did not change with aging in apparently healthy, well-nourished women. Mechanisms of Ageing and Development, 2001, 122, 1269-1279.	2.2	70
58	The isolation and properties of the dimeric subunit of concanavalin A. The Protein Journal, 2000, 19, 353-359.	1.1	2
59	Immune function did not decline with aging in apparently healthy, well-nourished women. Mechanisms of Ageing and Development, 1999, 112, 43-57.	2.2	37
60	Application of the Dual-Micropipet Technique to the Measurement of Tumor Cell Locomotion. Experimental Cell Research, 1999, 248, 160-171.	1.2	28
61	Lymphocyte subpopulations in lymphoid organs of rats after acute resistance exercise. Medicine and Science in Sports and Exercise, 1999, 31, 74-81.	0.2	8
62	Plasma Proenkephalin Peptide F and Human B Cell Responses To Exercise Stress in Fit and Unfit Women. Peptides, 1998, 19, 731-738.	1.2	18
63	Leukocyte adhesion molecule expression during intense resistance exercise. Journal of Applied Physiology, 1998, 84, 1604-1609.	1.2	40
64	Do Milk-Borne Cytokines and Hormones Influence Neonatal Immune Cell Function?. Journal of Nutrition, 1997, 127, 985S-988S.	1.3	56
65	Prolactin receptor gene expression in rat splenocytes and thymocytes from birth to adulthood. Molecular and Cellular Endocrinology, 1996, 117, 41-52.	1.6	23
66	Inhibition of Proliferation and of IL-2 Production and Utilization in Lymphocytes byS-Oxalylglutathione. Experimental Cell Research, 1996, 225, 162-170.	1.2	2
67	The S-Oxalin, N-Acetyl-S-oxalylcysteamine, Inhibits Lymphocyte Proliferation, IL-2 Production and Utilization. Biochemical and Biophysical Research Communications, 1996, 222, 505-511.	1.0	3
68	MODULATION OF LEVELS OF A NEGATIVE TRANSCRIPTION FACTOR FOR IL-2 BY 12-O-TETRADECANOYL PHORBOL-13-ACETATE AND OKADAIC ACID. Cytokine, 1996, 8, 809-816.	1.4	4
69	Milk-borne prolactin and neonatal development. Journal of Mammary Gland Biology and Neoplasia, 1996, 1, 259-269.	1.0	34
70	Mechanisms of Activation and Suppression in Rat Nb 2 Lymphoma Cells: A Model for Interactions between Prolactin and the Immune System. Experimental Cell Research, 1995, 218, 567-572.	1.2	5
71	The Effect of a 10-Day Space Flight on the Function, Phenotype, and Adhesion Molecule Expression of Splenocytes and Lymph Node Lymphocytes. Experimental Cell Research, 1995, 219, 102-109.	1.2	77
72	Characterization of resting and phorbol ester or concanavalin A activated bovine lymph node cells with leukocyte specific monoclonal antibodies. Veterinary Immunology and Immunopathology, 1994, 40, 49-61.	0.5	10

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73	IL-2 mRNA levels and degradation rates change with mode of stimulation and phorbol ester treatment of lymphocytes. Cytokine, 1994, 6, 102-110.	1.4	9
74	Prolactin-immune interactions in carcinogen-induced rat mammary tumors. Endocrine Research, 1994, 20, 395-412.	0.6	1
75	Antiorthostatic suspension as a model for the effects of spaceflight on the immune system. Journal of Leukocyte Biology, 1993, 54, 227-235.	1.5	59
76	Production of interleukin-2 mRNA by bovine lymph node lymphocytes in response to concanavalin A, 12-O-tetradecanoylphorbol-13-acetate, and ionomycin. Veterinary Immunology and Immunopathology, 1992, 30, 359-372.	0.5	3
77	Cytochalasans and PMA induce IL-2 receptors on CD8+ lymphocytes. Experimental Cell Research, 1992, 202, 303-309.	1.2	5
78	Variable lymphocyte responses in rats after space flight. Experimental Cell Research, 1992, 202, 125-131.	1.2	53
79	Selenium Deficiency Alters the Lipoxygenase Pathway and Mitogenic Response in Bovine Lymphocytes ,. Journal of Nutrition, 1992, 122, 2121-2127.	1.3	49
80	Increased 12-HETE production in bovine lymphocytes during selenium deficiency. Biochemical and Biophysical Research Communications, 1991, 181, 389-395.	1.0	5
81	Differential activation and inhibition of lymphocyte proliferation by modulators of protein kinase C: Diacylglycerols, â€œrationally designedâ€• activators and inhibitors of protein kinase C. Experimental Cell Research, 1991, 193, 175-182.	1.2	7
82	Prolactin-Induced Mitogenesis of Lymphocytes from Ovariectomized Rats*. Endocrinology, 1991, 129, 983-990.	1.4	85
83	Prolactin Induction of Interleukin-2 Receptors on Rat Splenic Lymphocytes*. Endocrinology, 1990, 126, 88-94.	1.4	182
84	An evaluation of the mononuclear cells eerived from bovine mammary gland dry secretions using leukocyte antigen specific monoclonal antibodies, light scattering properties and non-specific esterase staining. Veterinary Immunology and Immunopathology, 1990, 25, 177-193.	0.5	28
85	Evidence for protein kinase C independent activation of phospholipase D by phorbol esters in lymphocytes. Biochemical and Biophysical Research Communications, 1990, 171, 955-962.	1.0	49
86	Oxalyl thiolester concentrations decreased in lectin and phorbol esterâ€stimulated lymphocytes. FASEB Journal, 1989, 3, 2415-2419.	0.2	4
87	Effect of macrophages on the translocation of protein kinase C in concanavalin a-stimulated lymphocytes. Journal of Cellular Physiology, 1989, 138, 561-567.	2.0	8
88	Detection and quantitation of interleukin-2 from individual cells. Journal of Immunological Methods, 1989, 125, 115-124.	0.6	11
89	Prevention of the TPA-mediated down-regulation of protein kinase C. Biochemical and Biophysical Research Communications, 1988, 151, 94-99.	1.0	57
90	Induction of suppressor activity by tumor-promoting phorbol esters in primary cultures of lymph node cells. Carcinogenesis, 1987, 8, 357-362.	1.3	5

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91	A microtiter plate assay for protein kinase C. Analytical Biochemistry, 1987, 163, 458-463.	1.1	14
92	Changes in protein kinase C and cAMP-dependent kinase in lymphocytes after treatment with 12-O-tetradecanoylphorbol-13-acetate or concanavalin A: Quantitation of activities with an in situ gel assay. Journal of Cellular Physiology, 1987, 132, 415-427.	2.0	23
93	[27] Cell water viscosity. Methods in Enzymology, 1986, 127, 360-369.	0.4	1
94	DNA Synthesis and Production of Interleukin 1 by Lymph Node Macrophages in Culture. Journal of Leukocyte Biology, 1986, 39, 63-75.	1.5	7
95	Phorbol Ester Circumvents the Need for Macrophages as Well as for Mitogenic Lectins in the Stimulation of Lymphocytes With Wheat Germ Agglutinin or the Calcium Ionophores A23187 or Ionomycin. Journal of Leukocyte Biology, 1986, 40, 511-523.	1.5	9
96	Mitogenic Activity of Snake Venom Lectins. Cell Proliferation, 1986, 19, 557-566.	2.4	9
97	Mitogen and co-mitogen stimulation of lymphocytes inhibited by three Ca++ antagonists. Journal of Cellular Physiology, 1985, 124, 131-136.	2.0	34
98	Changes in a T-cell subpopulation marker induced by tumor-promoting phorbol esters. Carcinogenesis, 1985, 6, 1435-1440.	1.3	5
99	Characterization of protein kinases in mitotic and meiotic cell extracts. FEBS Letters, 1984, 167, 193-198.	1.3	37
100	Visualization of protein kinases in lymphocytes stimulated to proliferate with concanavalin A or inhibited with A phorbol ester. Biochemical and Biophysical Research Communications, 1984, 121, 392-399.	1.0	15
101	Calcium-dependent activation of lymphocytes by ionophore, A23187, and a phorbol ester tumor promoter. Journal of Cellular Physiology, 1983, 116, 51-56.	2.0	121
102	The effect of removal of adherent cells in lectin and allogeneic cell stimulation of bovine lymphocytes. Veterinary Immunology and Immunopathology, 1983, 5, 161-176.	0.5	19
103	The effects of retinoic acid and a tumor promoter, 12-O-tetra-decanoylphorbol-13-acetate, on lymphocyte proliferation. Carcinogenesis, 1982, 3, 409-413.	1.3	7
104	[3H]thymidine incorporation in bovine lymphocytes treated with the tumor promoter, 12-O-tetradecanoyl phorobol-13-acetate. Experimental Cell Research, 1981, 135, 267-276.	1.2	6
105	The interaction of [3H]TPA with bovine lymph node lymphocytes in vitro. Chemico-Biological Interactions, 1980, 30, 171-179.	1.7	4
106	Endogenous membrane phosphorylation increases in serum-stimulated 3T3 cells. Journal of Cellular Physiology, 1979, 99, 349-357.	2.0	8
107	Inhibition of the mixed lymphocyte proliferative response by phorbol esters. Nucleic Acids and Protein Synthesis, 1978, 517, 246-254.	1.7	20
108	Phosphoproteins of the cell surface as generated by endogenous or exogenous proteins kinase: Stability of the 32P-labelled product. Biochimica Et Biophysica Acta (BBA) - Protein Structure, 1976, 434, 281-285.	1.7	9

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109	Iodination of plasma membrane proteins of BHK cells in different growth states. Biochimica Et Biophysica Acta - Biomembranes, 1974, 352, 38-51.	1.4	12
110	Synergistic action of phorbol esters in mitogen-activated bovine lymphocytes. Experimental Cell Research, 1974, 88, 40-46.	1.2	147