

# Anne E Cress

## List of Publications by Year in descending order

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115  
papers

4,484  
citations

87723

38  
h-index

118652

62  
g-index

120  
all docs

120  
docs citations

120  
times ranked

4574  
citing authors

#	ARTICLE	IF	CITATIONS
1	Role for DNA Methylation in the Regulation of miR-200c and miR-141 Expression in Normal and Cancer Cells. PLoS ONE, 2010, 5, e8697.	1.1	268
2	N-Cadherin Expression in Human Prostate Carcinoma Cell Lines. American Journal of Pathology, 1999, 155, 787-798.	1.9	210
3	The $\alpha$ 1 and $\alpha$ 4 integrins in human prostate cancer progression. Cancer and Metastasis Reviews, 1995, 14, 219-228.	2.7	185
4	Characterization of a new drug-resistant human myeloma cell line that expresses P-glycoprotein. Cancer Research, 1986, 46, 5125-30.	0.4	181
5	Differential expression of extracellular matrix molecules and the $\alpha$ 6-integrins in the normal and neoplastic prostate. American Journal of Pathology, 1994, 145, 167-74.	1.9	132
6	Expression of hemidesmosomal and extracellular matrix proteins by normal and malignant human prostate tissue. American Journal of Pathology, 1995, 146, 1498-507.	1.9	116
7	Integrin $\alpha$ 6 expression in human prostate carcinoma cells is associated with a migratory and invasive phenotype in vitro and in vivo. Clinical and Experimental Metastasis, 1995, 13, 481-491.	1.7	115
8	Cleavage of $\alpha$ 4 Integrin by Matrilysin. Experimental Cell Research, 1997, 236, 341-345.	1.2	115
9	Characterization of integrin subunits, cellular adhesion and tumorigenicity of four human prostate cell lines. Journal of Cancer Research and Clinical Oncology, 1993, 119, 637-644.	1.2	107
10	Membrane type-1-matrix metalloproteinase expressed by prostate carcinoma cells cleaves human laminin-5 beta3 chain and induces cell migration. Cancer Research, 2003, 63, 2292-9.	0.4	102
11	Morphine treatment accelerates sarcoma-induced bone pain, bone loss, and spontaneous fracture in a murine model of bone cancer. Pain, 2007, 132, 154-168.	2.0	100
12	Unique expression pattern of the $\alpha$ 4 integrin and laminin-5 in human prostate carcinoma. Prostate, 2001, 46, 240-248.	1.2	99
13	Multiple mechanisms confer drug resistance to mitoxantrone in the human 8226 myeloma cell line. Cancer Research, 1999, 59, 1021-8.	0.4	86
14	Differential expression of laminin 5 ( $\alpha$ 3 $\beta$ 3 $\gamma$ 2) by human malignant and normal prostate. American Journal of Pathology, 1996, 149, 1341-9.	1.9	84
15	Cholesterol levels inversely reflect the thermal sensitivity of mammalian cells in culture. Nature, 1980, 283, 677-679.	13.7	82
16	Expression of cytokeratin confers multiple drug resistance.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 5311-5314.	3.3	72
17	ATP promotes cell survival via regulation of cytosolic $[Ca^{2+}]$ and Bcl-2/Bax ratio in lung cancer cells. American Journal of Physiology - Cell Physiology, 2016, 310, C99-C114.	2.1	68
18	Rapid loss of stress fibers in Chinese hamster ovary cells after hyperthermia. Cancer Research, 1985, 45, 258-62.	0.4	64

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19	The laminin binding integrin $\alpha 6 \beta 1$ in prostate cancer perineural invasion. <i>Journal of Cellular Physiology</i> , 2010, 224, 283-288.	2.0	63
20	The use of a combinatorial library method to isolate human tumor cell adhesion peptides. <i>Molecular Diversity</i> , 1996, 2, 19-28.	2.1	61
21	Extracellular $\alpha 6$ integrin cleavage by urokinase-type plasminogen activator in human prostate cancer. <i>Experimental Cell Research</i> , 2004, 294, 550-558.	1.2	58
22	Membrane Type 1 Matrix Metalloprotease Cleaves Laminin-10 and Promotes Prostate Cancer Cell Migration. <i>Neoplasia</i> , 2005, 7, 380-389.	2.3	58
23	FACTORS REGULATING MEMBRANE PERMEABILITY ALTER THERMAL RESISTANCE. <i>Annals of the New York Academy of Sciences</i> , 1980, 335, 215-233.	1.8	57
24	Integrin $\alpha 6$ cleavage: A novel modification to modulate cell migration. <i>Experimental Cell Research</i> , 2007, 313, 1080-1089.	1.2	55
25	Identification of a Novel Structural Variant of the $\alpha 6$ Integrin. <i>Journal of Biological Chemistry</i> , 2001, 276, 26099-26106.	1.6	53
26	Covalent DNA-Protein Crosslinking Occurs after Hyperthermia and Radiation. <i>Radiation Research</i> , 1983, 95, 610.	0.7	52
27	Extracellular Engagement of $\alpha 6$ Integrin Inhibited Urokinase-Type Plasminogen Activator-Mediated Cleavage and Delayed Human Prostate Bone Metastasis. <i>Cancer Research</i> , 2009, 69, 5007-5014.	0.4	51
28	Gemcitabine resistant pancreatic cancer cell lines acquire an invasive phenotype with collateral hypersensitivity to histone deacetylase inhibitors. <i>Cancer Biology and Therapy</i> , 2015, 16, 43-51.	1.5	50
29	Integrin clipping: A novel adhesion switch?. <i>Journal of Cellular Biochemistry</i> , 2004, 91, 26-35.	1.2	49
30	The Role of Alpha 6 Integrin in Prostate Cancer Migration and Bone Pain in a Novel Xenograft Model. <i>PLoS ONE</i> , 2008, 3, e3535.	1.1	47
31	Synthetic peptides inhibit adhesion of human tumor cells to extracellular matrix proteins. <i>Cancer Research</i> , 2001, 61, 3308-13.	0.4	47
32	Cytogenetic and phenotypic analysis of a human colon carcinoma cell line resistant to mitoxantrone. <i>Cancer Research</i> , 1988, 48, 1882-8.	0.4	45
33	Schwann Cells Increase Prostate and Pancreatic Tumor Cell Invasion Using Laminin Binding $\alpha 6$ Integrin. <i>Journal of Cellular Biochemistry</i> , 2016, 117, 491-499.	1.2	44
34	Adhesion molecules, extracellular matrix, and proteases in prostate carcinoma. <i>Journal of Cellular Biochemistry Supplement</i> , 1994, 19, 232-7.	0.2	44
35	Identification of a stem cell candidate in the normal human prostate gland. <i>European Journal of Cell Biology</i> , 2005, 84, 341-354.	1.6	43
36	Hydroxyurea treatment affects the G1 phase in next generation CHO cells. <i>Experimental Cell Research</i> , 1977, 110, 347-353.	1.2	42

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37	New relationships between prostatic intraepithelial neoplasia and prostatic carcinoma. <i>Journal of Cellular Biochemistry</i> , 1992, 50, 26-29.	1.2	40
38	Correlation between amounts of cellular membrane components and sensitivity to hyperthermia in a variety of mammalian cell lines in culture. <i>Cancer Research</i> , 1982, 42, 1716-21.	0.4	40
39	Nuclear factor, erythroid 2-like 2-associated molecular signature predicts lung cancer survival. <i>Scientific Reports</i> , 2015, 5, 16889.	1.6	39
40	HYD1-induced increase in reactive oxygen species leads to autophagy and necrotic cell death in multiple myeloma cells. <i>Molecular Cancer Therapeutics</i> , 2009, 8, 2441-2451.	1.9	38
41	Targeting Integrin $\alpha 6$ Stimulates Curative-Type Bone Metastasis Lesions in a Xenograft Model. <i>Molecular Cancer Therapeutics</i> , 2014, 13, 1558-1566.	1.9	36
42	Evidence for cytoplasmic P-glycoprotein location associated with increased multidrug resistance and resistance to chemosensitizers. <i>Cancer Research</i> , 1996, 56, 5435-42.	0.4	36
43	Alteration of Human Tumor Cell Adhesion by High-Strength Static Magnetic Fields. <i>Investigative Radiology</i> , 1992, 27, 836-840.	3.5	34
44	Degradation of Fibronectin Fibrils by Matrilysin and Characterization of the Degradation Products. <i>Experimental Cell Research</i> , 1995, 221, 83-91.	1.2	32
45	Culturing precision-cut human prostate slices as an in vitro model of prostate pathobiology. <i>Cell Biology and Toxicology</i> , 2002, 18, 205-219.	2.4	32
46	Synthetic D-amino acid peptide inhibits tumor cell motility on laminin-5. <i>Carcinogenesis</i> , 2006, 27, 1748-1757.	1.3	32
47	Spatial Mapping of Myeloid Cells and Macrophages by Multiplexed Tissue Staining. <i>Frontiers in Immunology</i> , 2018, 9, 2925.	2.2	32
48	Inhibition of p38-MAPK Signaling Pathway Attenuates Breast Cancer Induced Bone Pain and Disease Progression in a Murine Model of Cancer-Induced Bone Pain. <i>Molecular Pain</i> , 2011, 7, 1744-8069-7-81.	1.0	29
49	Reversal of resistance to methotrexate by hyperthermia in Chinese hamster ovary cells. <i>Cancer Research</i> , 1981, 41, 3840-3.	0.4	29
50	Activation of the cellular harveyras gene in mouse skin tumors initiated with urethane. <i>Molecular Carcinogenesis</i> , 1989, 2, 34-39.	1.3	28
51	The Cohesive Metastasis Phenotype in Human Prostate Cancer. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2016, 1866, 221-231.	3.3	28
52	Role of secreted extracellular nicotinamide phosphoribosyltransferase (eNAMPT) in prostate cancer progression: Novel biomarker and therapeutic target. <i>EBioMedicine</i> , 2020, 61, 103059.	2.7	28
53	Polyamine-dependent expression of the matrix metalloproteinase matrilysin in a human colon cancer-derived cell line. <i>Molecular Carcinogenesis</i> , 1994, 11, 138-144.	1.3	27
54	Metastasis Update: Human Prostate Carcinoma Invasion via Tubulogenesis. <i>Prostate Cancer</i> , 2011, 2011, 1-10.	0.4	27

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55	Role of Integrin $\alpha 4$ in Lung Endothelial Cell Inflammatory Responses to Mechanical Stress. <i>Scientific Reports</i> , 2015, 5, 16529.	1.6	27
56	Integrin- and Cadherin-Mediated Induction of the Matrix Metalloprotease Matrilysin in Cocultures of Malignant Oral Squamous Cell Carcinoma Cells and Dermal Fibroblasts. <i>Experimental Cell Research</i> , 2001, 270, 259-267.	1.2	26
57	Acquisition of Resistance toward HYD1 Correlates with a Reduction in Cleaved $\alpha 4$ Integrin Expression and a Compromised CAM-DR Phenotype. <i>Molecular Cancer Therapeutics</i> , 2011, 10, 2257-2266.	1.9	25
58	Heat Shock-Induced Shedding of Cell Surface Integrins in A549 Human Lung Tumor Cells in Culture. <i>Experimental Cell Research</i> , 1994, 210, 46-51.	1.2	23
59	Expression of $\beta 2$ -actin during progression of mouse skin tumors. <i>Carcinogenesis</i> , 1989, 10, 1439-1444.	1.3	22
60	Persistent intracellular binding of mitoxantrone in a human colon carcinoma cell line. <i>Biochemical Pharmacology</i> , 1989, 38, 4283-4290.	2.0	22
61	Epigenetic Regulation of the Cell Type-Specific Gene 14-3-3 $\sigma$ . <i>Neoplasia</i> , 2005, 7, 799-808.	2.3	22
62	Macrophage-Dependent Cleavage of the Laminin Receptor $\alpha 6 \beta 1$ in Prostate Cancer. <i>Molecular Cancer Research</i> , 2011, 9, 1319-1328.	1.5	22
63	Androgen receptor-induced integrin $\alpha 6 \beta 1$ and Bnip3 promote survival and resistance to PI3K inhibitors in castration-resistant prostate cancer. <i>Oncogene</i> , 2020, 39, 5390-5404.	2.6	22
64	Role Played by Paxillin and Paxillin Tyrosine Phosphorylation in Hepatocyte Growth Factor/Sphingosine $1$ -Phosphate-Mediated Reactive Oxygen Species Generation, Lamellipodia Formation, and Endothelial Barrier Function. <i>Pulmonary Circulation</i> , 2015, 5, 619-630.	0.8	21
65	Centrosome loss results in an unstable genome and malignant prostate tumors. <i>Oncogene</i> , 2020, 39, 399-413.	2.6	21
66	Biosynthesis and secretion of laminin and S-laminin by human prostate carcinoma cell lines. <i>Prostate</i> , 1994, 25, 97-107.	1.2	20
67	Androgen Control of Cell Proliferation and Cytoskeletal Reorganization in Human Fibrosarcoma Cells. <i>Journal of Biological Chemistry</i> , 2004, 279, 937-944.	1.6	20
68	$\alpha 6$ Integrin Cleavage: Sensitizing human prostate cancer to ionizing radiation. <i>International Journal of Radiation Biology</i> , 2007, 83, 761-767.	1.0	20
69	CC16 Binding to $\alpha 4 \beta 1$ Integrin Protects against <i>Mycoplasma pneumoniae</i> Infection. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2021, 203, 1410-1418.	2.5	20
70	Identification of attachment proteins for DNA in Chinese hamster ovary cells. <i>Journal of Biological Chemistry</i> , 1988, 263, 19678-83.	1.6	20
71	Altered surface expression and increased turnover of the $\alpha 6 \beta 4$ integrin in an undifferentiated carcinoma. <i>Carcinogenesis</i> , 2000, 21, 325-330.	1.3	19
72	Integrin-dependent amplification of the G2 arrest induced by ionizing radiation. <i>Prostate</i> , 2006, 66, 88-96.	1.2	19

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73	Characterization of Laminin Binding Integrin Internalization in Prostate Cancer Cells. <i>Journal of Cellular Biochemistry</i> , 2017, 118, 1038-1049.	1.2	19
74	A Method to Reuse Archived H&E Stained Histology Slides for a Multiplex Protein Biomarker Analysis. <i>Methods and Protocols</i> , 2019, 2, 86.	0.9	18
75	Multiple drug resistance and intermediate filaments. <i>Cancer and Metastasis Reviews</i> , 1996, 15, 499-506.	2.7	17
76	A basal cell defect promotes budding of prostatic intraepithelial neoplasia. <i>Journal of Cell Science</i> , 2016, 130, 104-110.	1.2	17
77	Regulation of inside-out $\beta$ 1-integrin activation by CDCP1. <i>Oncogene</i> , 2018, 37, 2817-2836.	2.6	17
78	EDC3 phosphorylation regulates growth and invasion through controlling $\beta$ 1-body formation and dynamics. <i>EMBO Reports</i> , 2021, 22, e50835.	2.0	17
79	Direct phosphorylation and stabilization of HIF-1 $\beta$ by PIM1 kinase drives angiogenesis in solid tumors. <i>Oncogene</i> , 2021, 40, 5142-5152.	2.6	17
80	Thermal Enhancement of X-Ray-Induced DNA Crosslinking. <i>Radiation Research</i> , 1982, 89, 203.	0.7	15
81	Androgen regulation of the human FERM domain encoding gene EHM2 in a cell model of steroid-induced differentiation. <i>Biochemical and Biophysical Research Communications</i> , 2003, 310, 421-432.	1.0	15
82	The minimum element of a synthetic peptide required to block prostate tumor cell migration. <i>Cancer Biology and Therapy</i> , 2006, 5, 1556-1562.	1.5	14
83	Simplified purification procedure of laminin-332 and laminin-511 from human cell lines. <i>Biochemical and Biophysical Research Communications</i> , 2008, 375, 410-413.	1.0	13
84	Intracellular modifiers of integrin $\alpha$ 6 production in aggressive prostate and breast cancer cell lines. <i>Biochemical and Biophysical Research Communications</i> , 2014, 454, 335-340.	1.0	13
85	Novel Regulation of Integrin Trafficking by Rab11-FIP5 in Aggressive Prostate Cancer. <i>Molecular Cancer Research</i> , 2018, 16, 1319-1331.	1.5	13
86	Delta-type DNA polymerase characterized from <i>Drosophila melanogaster</i> embryos. <i>Nucleic Acids Research</i> , 1992, 20, 5779-5784.	6.5	12
87	A method of quantifying centrosomes at the single-cell level in human normal and cancer tissue. <i>Molecular Biology of the Cell</i> , 2019, 30, 811-819.	0.9	12
88	Hydroxyurea inhibits ODC induction, but not the G1 to S phase transition. <i>Biochemical and Biophysical Research Communications</i> , 1979, 87, 773-780.	1.0	11
89	Alteration of cellular adhesion by heat shock. <i>Experimental Cell Research</i> , 1990, 190, 40-46.	1.2	11
90	Gene Editing of $\beta$ 6 Integrin Inhibits Muscle Invasive Networks and Increases Cellâ€™Cell Biophysical Properties in Prostate Cancer. <i>Cancer Research</i> , 2019, 79, 4703-4714.	0.4	11

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91	PH stepwise alkaline elution of DNA replication intermediates during S phase. <i>Biochemical and Biophysical Research Communications</i> , 1981, 102, 845-853.	1.0	10
92	Modification of keratin by the chemotherapeutic drug mitoxantrone. <i>Biochemical Pharmacology</i> , 1988, 37, 3043-3046.	2.0	10
93	The crosslinking of nuclear protein to DNA using ionizing radiation. <i>Journal of Cancer Research and Clinical Oncology</i> , 1990, 116, 324-330.	1.2	10
94	Nuclear protein organization and the repair of radiation damage. <i>Carcinogenesis</i> , 1989, 10, 939-943.	1.3	9
95	Supporting the Academic Mission in an Era of Constrained Resources: Approaches at the University of Arizona College of Medicine. <i>Academic Medicine</i> , 2008, 83, 837-844.	0.8	9
96	Integrin $\alpha 6 \beta 4$ variant is associated with actin and CD9 structures and modifies the biophysical properties of cell-cell and cell-extracellular matrix interactions. <i>Molecular Biology of the Cell</i> , 2019, 30, 838-850.	0.9	8
97	Laminin-binding integrin gene copy number alterations in distinct epithelial-type cancers. <i>American Journal of Translational Research (discontinued)</i> , 2016, 8, 940-54.	0.0	8
98	Spatially and temporally regulated $\alpha 6$ integrin cleavage during <i>Xenopus laevis</i> development. <i>Biochemical and Biophysical Research Communications</i> , 2008, 366, 779-785.	1.0	7
99	Cohesive cancer invasion of the biophysical barrier of smooth muscle. <i>Cancer and Metastasis Reviews</i> , 2021, 40, 205-219.	2.7	7
100	The Tumor Microenvironments of Lethal Prostate Cancer. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1210, 149-170.	0.8	7
101	A DNA Polymerase $\alpha$ -Associated 56 kDa Protein Kinase. <i>Biochemical and Biophysical Research Communications</i> , 1993, 190, 325-331.	1.0	6
102	A Comprehensive Space Management Model for Facilitating Programmatic Research. <i>Academic Medicine</i> , 2008, 83, 207-216.	0.8	6
103	Targeting the Cohesive Cluster Phenotype in Chordoma via $\alpha 1$ Integrin Increases Ionizing Radiation Efficacy. <i>Neoplasia</i> , 2017, 19, 919-927.	2.3	6
104	EVL is a novel focal adhesion protein involved in the regulation of cytoskeletal dynamics and vascular permeability. <i>Pulmonary Circulation</i> , 2021, 11, 1-10.	0.8	6
105	Human Cell Surface Receptors as Molecular Imaging Candidates for Metastatic Prostate Cancer. <i>The Open Prostate Cancer Journal</i> , 2009, 2, 59-66.	0.4	6
106	Combined micro CT and histopathology for evaluation of skeletal metastasis in live animals. <i>American Journal of Translational Research (discontinued)</i> , 2015, 7, 348-55.	0.0	6
107	GLUT3/SLC2A3 Is an Endogenous Marker of Hypoxia in Prostate Cancer Cell Lines and Patient-Derived Xenograft Tumors. <i>Diagnostics</i> , 2022, 12, 676.	1.3	6
108	Integrin $\alpha 6$ Cleavage in Mouse Skin Tumors. <i>The Open Cancer Journal</i> , 2008, 2, 1-4.	0.2	4

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109	Transient Dephosphorylation of p53 Serine 376 as an Early Response to Ionizing Radiation. Radiation Research, 2009, 171, 725-734.	0.7	2
110	A mutation found in esophageal cancer alters integrin $\beta$ 4 mRNA splicing. Biochemical and Biophysical Research Communications, 2020, 529, 726-732.	1.0	2
111	Profiles of Human Melanoma Cell Surface Proteins: Effects of Culturing on Two Different Substrates. Pigment Cell & Melanoma Research, 1990, 3, 44-48.	4.0	1
112	Blocking Integrin Function Combined with Ionizing Radiation for Eradication of Bone Metastasis. International Journal of Radiation Oncology Biology Physics, 2010, 78, S622-S623.	0.4	0
113	NAMPT Is a Novel Participant and Therapeutic Target in Radiation-Induced Lung Injury (RILI). International Journal of Radiation Oncology Biology Physics, 2019, 105, E486-E487.	0.4	0
114	Prevention of Prostate Cancer. , 2014, , 491-531.		0
115	Immunofluorescence-based Determination of Centrosome Number in Tissue Samples. Bio-protocol, 2019, 9, e3396.	0.2	0