

Peter C Brooks

List of Publications by Year in descending order

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34
papers

6,451
citations

393982

19
h-index

454577

30
g-index

36
all docs

36
docs citations

36
times ranked

5785
citing authors

#	ARTICLE	IF	CITATIONS
1	Integrin $\alpha_3\beta_1$ antagonists promote tumor regression by inducing apoptosis of angiogenic blood vessels. <i>Cell</i> , 1994, 79, 1157-1164.	13.5	2,265
2	Localization of Matrix Metalloproteinase MMP-2 to the Surface of Invasive Cells by Interaction with Integrin $\alpha_3\beta_1$. <i>Cell</i> , 1996, 85, 683-693.	13.5	1,528
3	Disruption of Angiogenesis by PEX, a Noncatalytic Metalloproteinase Fragment with Integrin Binding Activity. <i>Cell</i> , 1998, 92, 391-400.	13.5	589
4	Angiopoietin-2 displays VEGF-dependent modulation of capillary structure and endothelial cell survival in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 11205-11210.	3.3	585
5	Proteolytic exposure of a cryptic site within collagen type IV is required for angiogenesis and tumor growth in vivo. <i>Journal of Cell Biology</i> , 2001, 154, 1069-1080.	2.3	445
6	New Functions for Non-collagenous Domains of Human Collagen Type IV. <i>Journal of Biological Chemistry</i> , 2000, 275, 8051-8061.	1.6	294
7	Matrix Metalloproteinase-9-Dependent Exposure of a Cryptic Migratory Control Site in Collagen is Required before Retinal Angiogenesis. <i>American Journal of Pathology</i> , 2002, 161, 1429-1437.	1.9	124
8	Use of the 10-Day-Old Chick Embryo Model for Studying Angiogenesis. , 1999, 129, 257-270.		74
9	Impact of the non-cellular tumor microenvironment on metastasis: Potential therapeutic and imaging opportunities. <i>Journal of Cellular Physiology</i> , 2007, 213, 391-402.	2.0	57
10	Generation of Monoclonal Antibodies to Cryptic Collagen Sites by Using Subtractive Immunization. <i>Hybridoma</i> , 2000, 19, 375-385.	0.9	48
11	Recombinant $\alpha_2(\text{IV})\text{NC1}$ Domain Inhibits Tumor Cell-Extracellular Matrix Interactions, Induces Cellular Senescence, and Inhibits Tumor Growth in Vivo. <i>American Journal of Pathology</i> , 2005, 166, 901-911.	1.9	47
12	Integrins as "functional hubs" in the regulation of pathological angiogenesis. <i>Seminars in Cancer Biology</i> , 2009, 19, 318-328.	4.3	41
13	Insulin-like Growth Factor Binding Protein-4 Differentially Inhibits Growth Factor-induced Angiogenesis. <i>Journal of Biological Chemistry</i> , 2012, 287, 1779-1789.	1.6	35
14	Targeting integrins for the control of tumour angiogenesis. <i>Expert Opinion on Investigational Drugs</i> , 2005, 14, 1475-1486.	1.9	31
15	Disruption of Endothelial Cell Interactions with the Novel HU177 Cryptic Collagen Epitope Inhibits Angiogenesis. <i>Clinical Cancer Research</i> , 2007, 13, 3068-3078.	3.2	31
16	Inhibition of Experimental Metastasis by Targeting the HUIV26 Cryptic Epitope in Collagen. <i>American Journal of Pathology</i> , 2006, 168, 1576-1586.	1.9	26
17	Sprouty4 regulates endothelial cell migration via modulating integrin $\alpha_3\beta_1$ stability through c-Src. <i>Angiogenesis</i> , 2013, 16, 861-875.	3.7	25
18	Inhibition of tumor-associated $\alpha_3\beta_1$ integrin regulates the angiogenic switch by enhancing expression of IGFBP-4 leading to reduced melanoma growth and angiogenesis in vivo. <i>Angiogenesis</i> , 2015, 18, 31-46.	3.7	25

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19	Temporal Exposure of Cryptic Collagen Epitopes within Ischemic Muscle during Hindlimb Reperfusion. <i>American Journal of Pathology</i> , 2005, 167, 1349-1359.	1.9	24
20	Inhibition of Angiogenesis and Tumor Metastasis by Targeting a Matrix Immobilized Cryptic Extracellular Matrix Epitope in Laminin. <i>Cancer Research</i> , 2007, 67, 4353-4363.	0.4	24
21	Ionizing radiation modulates the exposure of the HU176 cryptic epitope within collagen type IV during angiogenesis. <i>International Journal of Radiation Oncology Biology Physics</i> , 2002, 54, 1194-1201.	0.4	19
22	Identification of an Endogenously Generated Cryptic Collagen Epitope (XL313) That May Selectively Regulate Angiogenesis by an Integrin Yes-associated Protein (YAP) Mechano-transduction Pathway. <i>Journal of Biological Chemistry</i> , 2016, 291, 2731-2750.	1.6	18
23	Shedding of Distinct Cryptic Collagen Epitope (HU177) in Sera of Melanoma Patients. <i>Clinical Cancer Research</i> , 2008, 14, 6253-6258.	3.2	16
24	Challenges facing antiangiogenic therapy for cancer: impact of the tumor extracellular environment. <i>Expert Review of Anticancer Therapy</i> , 2004, 4, 129-140.	1.1	14
25	Methods for Analyzing Tumor Angiogenesis in the Chick Chorioallantoic Membrane Model. <i>Methods in Molecular Biology</i> , 2016, 1406, 255-269.	0.4	13
26	Inhibition of Ovarian Tumor Growth by Targeting the HU177 Cryptic Collagen Epitope. <i>American Journal of Pathology</i> , 2016, 186, 1649-1661.	1.9	11
27	Cryptic collagen elements as signaling hubs in the regulation of tumor growth and metastasis. <i>Journal of Cellular Physiology</i> , 2020, 235, 9005-9020.	2.0	11
28	Assessing the clinical utility of measuring Insulin-like Growth Factor Binding Proteins in tissues and sera of melanoma patients. <i>Journal of Translational Medicine</i> , 2008, 6, 70.	1.8	10
29	Increased shedding of HU177 correlates with worse prognosis in primary melanoma. <i>Journal of Translational Medicine</i> , 2010, 8, 19.	1.8	8
30	The HU177 Collagen Epitope Controls Melanoma Cell Migration and Experimental Metastasis by a CDK5/YAP-Dependent Mechanism. <i>American Journal of Pathology</i> , 2018, 188, 2356-2368.	1.9	6
31	Multiscale anisotropy analysis of second-harmonic generation collagen imaging of mouse skin. <i>Journal of Biomedical Optics</i> , 2021, 26, .	1.4	2
32	An RGDKGE-Containing Cryptic Collagen Fragment Regulates Phosphorylation of Large Tumor Suppressor Kinase-1 and Controls Ovarian Tumor Growth by a Yes-Associated Protein-Dependent Mechanism. <i>American Journal of Pathology</i> , 2021, 191, 527-544.	1.9	1
33	Cooperative Interactions Between Integrins and Growth Factor Signaling in Pathological Angiogenesis. , 2010, , 673-693.		0
34	Pathological Angiogenesis: An Overview. <i>Tumors of the Central Nervous System</i> , 2014, , 279-292.	0.1	0