

Abdel-Majid Khatib

List of Publications by Year in descending order

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88
papers

3,165
citations

172386

29
h-index

168321

53
g-index

91
all docs

91
docs citations

91
times ranked

3471
citing authors

#	ARTICLE	IF	CITATIONS
1	Proprotein convertases: lessons from knockouts. <i>FASEB Journal</i> , 2006, 20, 1954-1963.	0.2	210
2	Proprotein Convertases in Tumor Progression and Malignancy. <i>American Journal of Pathology</i> , 2002, 160, 1921-1935.	1.9	196
3	The secretory proprotein convertases furin, PC5, and PC7 activate VEGF-C to induce tumorigenesis. <i>Journal of Clinical Investigation</i> , 2003, 111, 1723-1732.	3.9	170
4	Inhibition of Proprotein Convertases Is Associated with Loss of Growth and Tumorigenicity of HT-29 Human Colon Carcinoma Cells. <i>Journal of Biological Chemistry</i> , 2001, 276, 30686-30693.	1.6	156
5	Characterization of the Host Proinflammatory Response to Tumor Cells during the Initial Stages of Liver Metastasis. <i>American Journal of Pathology</i> , 2005, 167, 749-759.	1.9	131
6	The secretory proprotein convertases furin, PC5, and PC7 activate VEGF-C to induce tumorigenesis. <i>Journal of Clinical Investigation</i> , 2003, 111, 1723-1732.	3.9	109
7	Selective inhibition of proprotein convertases represses the metastatic potential of human colorectal tumor cells. <i>Journal of Clinical Investigation</i> , 2008, 118, 352-363.	3.9	109
8	Proprotein Convertase Subtilisin/Kexin Type 9 Deficiency Reduces Melanoma Metastasis in Liver. <i>Neoplasia</i> , 2012, 14, 1122-IN5.	2.3	94
9	Endothelin-1 (ET-1) promotes MMP-2 and MMP-9 induction involving the transcription factor NF- κ B in human osteosarcoma. <i>Clinical Science</i> , 2006, 110, 645-654.	1.8	93
10	Inhibition of hepatic endothelial E-selectin expression by C-raf antisense oligonucleotides blocks colorectal carcinoma liver metastasis. <i>Cancer Research</i> , 2002, 62, 5393-8.	0.4	90
11	Melanoma Spheroids Grown Under Neural Crest Cell Conditions Are Highly Plastic Migratory/Invasive Tumor Cells Endowed with Immunomodulator Function. <i>PLoS ONE</i> , 2011, 6, e18784.	1.1	84
12	Cooperative Regulation of the Invasive and Metastatic Phenotypes by Different Domains of the Type I Insulin-like Growth Factor Receptor β 2 Subunit. <i>Journal of Biological Chemistry</i> , 2001, 276, 33608-33615.	1.6	82
13	Knock-out mouse models of proprotein convertases: unique functions or redundancy?. <i>Frontiers in Bioscience - Landmark</i> , 2008, Volume, 4960.	3.0	75
14	In Silico Investigation of the New UK (B.1.1.7) and South African (501Y.V2) SARS-CoV-2 Variants with a Focus at the ACE2-Spike RBD Interface. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1695.	1.8	72
15	Regulation of the stepwise proteolytic cleavage and secretion of PDGF-B by the proprotein convertases. <i>Oncogene</i> , 2005, 24, 6925-6935.	2.6	67
16	Tumor necrosis factor- α down-regulates human Cu/Zn superoxide dismutase 1 promoter via JNK/AP-1 signaling pathway. <i>Free Radical Biology and Medicine</i> , 2006, 41, 709-721.	1.3	64
17	The proteolytic processing of pro-platelet-derived growth factor-A at RRKR(86) by members of the proprotein convertase family is functionally correlated to platelet-derived growth factor-A-induced functions and tumorigenicity. <i>Cancer Research</i> , 2003, 63, 1458-63.	0.4	64
18	Articular chondrocytes from aging rats respond poorly to insulin-like growth factor-1: an altered signaling pathway. <i>Mechanisms of Ageing and Development</i> , 2000, 115, 21-37.	2.2	58

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19	Opposing Function of the Proprotein Convertases Furin and PACE4 on Breast Cancer Cells' Malignant Phenotypes: Role of Tissue Inhibitors of Metalloproteinase-1. <i>Cancer Research</i> , 2007, 67, 9030-9034.	0.4	57
20	TRP Channels in Angiogenesis and Other Endothelial Functions. <i>Frontiers in Physiology</i> , 2018, 9, 1731.	1.3	55
21	Degradation of Hyaluronic Acid by Photosensitized Riboflavin In Vitro. Modulation of the Effect by Transition Metals, Radical Quenchers, and Metal Chelators. <i>Free Radical Biology and Medicine</i> , 1997, 22, 1139-1144.	1.3	49
22	Regulation of urokinase plasminogen activator/plasmin-mediated invasion of melanoma cells by the integrin vitronectin receptor $\alpha_5\beta_3$. <i>International Journal of Cancer</i> , 2001, 91, 300-308.	2.3	47
23	Apelin: an antithrombotic factor that inhibits platelet function. <i>Blood</i> , 2016, 127, 908-920.	0.6	45
24	Targeting liver sinusoidal endothelial cells with miR-20a-loaded nanoparticles reduces murine colon cancer metastasis to the liver. <i>International Journal of Cancer</i> , 2018, 143, 709-719.	2.3	41
25	Structure-based drug repositioning over the human TMPRSS2 protease domain: search for chemical probes able to repress SARS-CoV-2 Spike protein cleavages. <i>European Journal of Pharmaceutical Sciences</i> , 2020, 153, 105495.	1.9	40
26	Inactivation of Proprotein Convertases in T Cells Inhibits PD-1 Expression and Creates a Favorable Immune Microenvironment in Colorectal Cancer. <i>Cancer Research</i> , 2019, 79, 5008-5021.	0.4	34
27	The proprotein convertase furin is a pro-oncogenic driver in KRAS and BRAF driven colorectal cancer. <i>Oncogene</i> , 2020, 39, 3571-3587.	2.6	34
28	Regulation of prohepcidin processing and activity by the subtilisin-like proprotein convertases Furin, PC5, PACE4 and PC7. <i>Gut</i> , 2008, 57, 1573-1582.	6.1	33
29	Protective role of systemic furin in immune response-induced arthritis. <i>Arthritis and Rheumatism</i> , 2012, 64, 2878-2886.	6.7	32
30	Dual Roles for CXCL4 Chemokines and CXCR3 in Angiogenesis and Invasion of Pancreatic Cancer. <i>Cancer Research</i> , 2016, 76, 6507-6519.	0.4	31
31	Proprotein convertases: Key players in inflammation-related malignancies and metastasis. <i>Cancer Letters</i> , 2020, 473, 50-61.	3.2	29
32	Inhibition of Tumor Cells Proliferation and Migration by the Flavonoid Furin Inhibitor Isolated From <i>Oroxylum indicum</i> . <i>Current Medicinal Chemistry</i> , 2013, 20, 583-591.	1.2	29
33	Integration of zebrafish fin regeneration genes with expression data of human tumors <i>in silico</i> uncovers potential novel melanoma markers. <i>Oncotarget</i> , 2016, 7, 71567-71579.	0.8	28
34	A Novel Enediynyl Peptide Inhibitor of Furin That Blocks Processing of proPDGF-A, B and proVEGF-C. <i>PLoS ONE</i> , 2009, 4, e7700.	1.1	27
35	Loss of the proprotein convertase Furin in T cells represses mammary tumorigenesis in oncogene-driven triple negative breast cancer. <i>Cancer Letters</i> , 2020, 484, 40-49.	3.2	25
36	ELA/APELA precursor cleaved by furin displays tumor suppressor function in renal cell carcinoma through mTORC1 activation. <i>JCI Insight</i> , 2020, 5, .	2.3	25

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37	Invading Basement Membrane Matrix Is Sufficient for MDA-MB-231 Breast Cancer Cells to Develop a Stable In Vivo Metastatic Phenotype. <i>PLoS ONE</i> , 2011, 6, e23334.	1.1	23
38	The proprotein convertase furin in cancer: more than an oncogene. <i>Oncogene</i> , 2022, 41, 1252-1262.	2.6	23
39	Potential opportunity in the development of new therapeutic agents based on endogenous and exogenous inhibitors of the proprotein convertases. <i>Medicinal Research Reviews</i> , 2007, 27, 631-648.	5.0	22
40	Prodomain of the proprotein convertase subtilisin/kexin Furin (ppFurin) protects from tumor progression and metastasis. <i>Carcinogenesis</i> , 2014, 35, 528-536.	1.3	22
41	Mitogenic and Metabolic Actions of Epidermal Growth Factor on Rat Articular Chondrocytes: Modulation by Fetal Calf Serum, Transforming Growth Factor- β^2 , and Tyrphostin. <i>Archives of Biochemistry and Biophysics</i> , 1997, 337, 149-158.	1.4	20
42	New Symmetrically Esterified m-Bromobenzyl Non-Aminobisphosphonates Inhibited Breast Cancer Growth and Metastases. <i>PLoS ONE</i> , 2009, 4, e4685.	1.1	20
43	Blockade of Furin Activity and Furin-Induced Tumor Cells Malignant Phenotypes By The Chemically Synthesized Human Furin Prodomain. <i>Current Medicinal Chemistry</i> , 2010, 17, 2214-2221.	1.2	20
44	Zebrafish ProVEGF-C Expression, Proteolytic Processing and Inhibitory Effect of Unprocessed ProVEGF-C during Fin Regeneration. <i>PLoS ONE</i> , 2010, 5, e11438.	1.1	20
45	The Give-and-Take Interaction Between the Tumor Microenvironment and Immune Cells Regulating Tumor Progression and Repression. <i>Frontiers in Immunology</i> , 2022, 13, 850856.	2.2	20
46	ENDOTHELIN 1 RECEPTORS, SIGNAL TRANSDUCTION AND EFFECTS ON DNA AND PROTEOGLYCAN SYNTHESIS IN RAT ARTICULAR CHONDROCYTES. <i>Cytokine</i> , 1998, 10, 669-679.	1.4	18
47	CONSTITUTIVE AND INDUCIBLE EXPRESSION OF ENDOTHELIN-1 IN PRIMARY RAT ARTICULAR CHONDROCYTE CULTURE. <i>Cytokine</i> , 1997, 9, 556-562.	1.4	17
48	MECHANISM OF INHIBITION OF ENDOTHELIN-1- α STIMULATED PROTEOGLYCAN AND COLLAGEN SYNTHESIS IN RAT ARTICULAR CHONDROCYTES. <i>Cytokine</i> , 2002, 17, 254-261.	1.4	17
49	Inhibition of the Proprotein Convertases Represses the Invasiveness of Human Primary Melanoma Cells with Altered p53, CDKN2A and N-Ras Genes. <i>PLoS ONE</i> , 2010, 5, e9992.	1.1	16
50	Regulation of the proprotein convertases expression and activity during regenerative angiogenesis: Role of hypoxia-inducible factor (HIF). <i>European Journal of Cell Biology</i> , 2017, 96, 457-468.	1.6	16
51	Downregulation of Glutamine Synthetase, not glutaminolysis, is responsible for glutamine addiction in Notch1-driven acute lymphoblastic leukemia. <i>Molecular Oncology</i> , 2021, 15, 1412-1431.	2.1	16
52	Liver-Specific Inactivation of the Proprotein Convertase FURIN Leads to Increased Hepatocellular Carcinoma Growth. <i>BioMed Research International</i> , 2015, 2015, 1-8.	0.9	15
53	mTOR Inhibition via Displacement of Phosphatidic Acid Induces Enhanced Cytotoxicity Specifically in Cancer Cells. <i>Cancer Research</i> , 2018, 78, 5384-5397.	0.4	14
54	Repression of liver colorectal metastasis by the serpin Spn4A a naturally occurring inhibitor of the constitutive secretory proprotein convertases. <i>Oncotarget</i> , 2014, 5, 4195-4210.	0.8	14

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55	The Mechanism of Inhibition of DNA Synthesis in Articular Chondrocytes from Young and Old Rats by Nitric Oxide. Nitric Oxide - Biology and Chemistry, 1997, 1, 218-225.	1.2	13
56	Endothelin-1 in monolayer cultures of articular chondrocytes from young and old rats: regulation by growth factors and cytokines. Mechanisms of Ageing and Development, 2000, 114, 37-48.	2.2	13
57	Loss of Proprotein Convertase Furin in Mammary Gland Impairs proIGF1R and proIR Processing and Suppresses Tumorigenesis in Triple Negative Breast Cancer. Cancers, 2020, 12, 2686.	1.7	13
58	Blockade of the malignant phenotype by α -subunit selective noncovalent inhibition of immuno- and constitutive proteasomes. Oncotarget, 2017, 8, 10437-10449.	0.8	13
59	The mechanism of inhibition of endothelin-1-induced stimulation of DNA synthesis in rat articular chondrocytes. Molecular and Cellular Endocrinology, 1997, 132, 25-31.	1.6	12
60	Endo/exo-proteolysis in neoplastic progression and metastasis. Journal of Molecular Medicine, 2005, 83, 856-864.	1.7	12
61	SARAF and Orai1 Contribute to Endothelial Cell Activation and Angiogenesis. Frontiers in Cell and Developmental Biology, 2021, 9, 639952.	1.8	12
62	Basal and induced nitric oxide and cGMP productions are decreased in senescent cultured rat articular chondrocytes. Mechanisms of Ageing and Development, 1998, 101, 21-32.	2.2	11
63	Endothelin-1 receptors on cultured rat articular chondrocytes: regulation by age, growth factors, and cytokines, and effect on cAMP production. Mechanisms of Ageing and Development, 2001, 122, 519-531.	2.2	11
64	The Potential Anti-Tumorigenic and Anti-Metastatic Side of the Proprotein Convertases Inhibitors. Recent Patents on Anti-Cancer Drug Discovery, 2009, 4, 83-91.	0.8	11
65	C-terminal Cleavage of Human Foxp3 at a Proprotein Convertase Motif Abrogates its Suppressive Function. Scandinavian Journal of Immunology, 2015, 81, 229-239.	1.3	11
66	A Molecular Sensor To Characterize Arenavirus Envelope Glycoprotein Cleavage by Subtilisin Kexin Isozyme 1/Site 1 Protease. Journal of Virology, 2016, 90, 705-714.	1.5	11
67	Regulation of urokinase plasminogen activator/plasmin- mediated invasion of melanoma cells by the integrin vitronectin receptor α _v β ₃ . International Journal of Cancer, 2001, 91, 300-308.	2.3	10
68	Furin Prodomain ppFurin Enhances Ca ²⁺ Entry Through Orai and TRPC6 Channels's Activation in Breast Cancer Cells. Cancers, 2021, 13, 1670.	1.7	10
69	Granulocyte-macrophage colony stimulating factor is anabolic and interleukin-1 β is catabolic for rat articular chondrocytes. Cytokine, 2008, 44, 366-372.	1.4	9
70	Proprotein convertase furin inhibits matrix metalloproteinase 13 in a TGF β ² -dependent manner and limits osteoarthritis in mice. Scientific Reports, 2018, 8, 10488.	1.6	9
71	Role of Furin in Colon Cancer Stem Cells Malignant Phenotype and Expression of LGR5 and NANOG in KRAS and BRAF-Mutated Colon Tumors. Cancers, 2022, 14, 1195.	1.7	9
72	Human synovium produces substances that inhibit DNA and stimulate proteoglycan and collagen synthesis by cultured human articular chondrocytes and synovial fibroblasts. Scandinavian Journal of Rheumatology, 2003, 32, 240-246.	0.6	7

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73	An Integrative Omics Approach Reveals Involvement of BRCA1 in Hepatic Metastatic Progression of Colorectal Cancer. <i>Cancers</i> , 2020, 12, 2380.	1.7	7
74	Furin and COVID-19: Structure, Function and Chemoinformatic Analysis of Representative Active Site Inhibitors. <i>Frontiers in Drug Discovery</i> , 2022, 2, .	1.1	7
75	Articular chondrocyte aging and endothelin-1. <i>Cytokine</i> , 2007, 37, 6-13.	1.4	6
76	Inhibitory Feature of the Proprotein Convertases Prosegments. <i>Medicinal Chemistry</i> , 2008, 4, 116-120.	0.7	6
77	Patients Lung Derived Tumoroids (PLDTs) to model therapeutic response. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2020, 1867, 118808.	1.9	6
78	Biological outcome and mapping of total factor cascades in response to HIF induction during regenerative angiogenesis. <i>Oncotarget</i> , 2016, 7, 12102-12120.	0.8	6
79	Proprotein convertases blockage up-regulates specifically metallothioneins coding genes in human colon cancer stem cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2021, 1868, 118912.	1.9	3
80	Identification of the Myosin Heavy Polypeptide 9 as a Downstream Effector of the Proprotein Convertases in the Human Colon Carcinoma HT-29 Cells. <i>Methods in Molecular Biology</i> , 2011, 768, 207-215.	0.4	3
81	Method for Selecting Populations of Rat Articular Chondrocytes That Exhibit Distinct Growth and Metabolic Characteristics, and Their Responses to Growth Factors, PMA and Vitamin D ³ . <i>Cells Tissues Organs</i> , 2004, 177, 201-211.	1.3	2
82	Growth Factors: To Cleave or not to Cleave. , 2006, , 121-135.		2
83	Processing of VEGF-C and -D by the Proprotein Convertases: Importance in Angiogenesis, Lymphangiogenesis, and Tumorigenesis. <i>Colloquium Series on Protein Activation and Cancer</i> , 2013, 2, 1-66.	0.0	1
84	Proprotein Convertases: Discovery, Characteristics, and Link to Tumor Progression and Metastasis. <i>Colloquium Series on Protein Activation and Cancer</i> , 2013, 2, 1-86.	0.0	0
85	PCSK1 (proprotein convertase subtilisin/kexin type 1). <i>Atlas of Genetics and Cytogenetics in Oncology and Haematology</i> , 2018, , .	0.1	0
86	Discovery of the Proprotein Convertases and their Inhibitors. , 2006, , 7-26.		0
87	Abstract 696: Targeting the proprotein convertase PCSK6/PAECE4 abrogates human melanoma malignant phenotype. , 2016, , .		0
88	Proprotein Convertases in Tumorigenesis, Angiogenesis and Metastasis. , 2006, , 67-88.		0