

Jaromir Pastorek

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,975
citations

567281

15
h-index

610901

24
g-index

27
all docs

27
docs citations

27
times ranked

2317
citing authors

#	ARTICLE	IF	CITATIONS
1	Hypoxia activates the capacity of tumor-associated carbonic anhydrase IX to acidify extracellular pH. <i>FEBS Letters</i> , 2004, 577, 439-445.	2.8	620
2	Biochemical Characterization of CA IX, One of the Most Active Carbonic Anhydrase Isozymes. <i>Journal of Biological Chemistry</i> , 2008, 283, 27799-27809.	3.4	258
3	Hypoxia-induced carbonic anhydrase IX as a target for cancer therapy: From biology to clinical use. <i>Seminars in Cancer Biology</i> , 2015, 31, 52-64.	9.6	257
4	Carbonic anhydrase IX, a hypoxia-induced catalytic component of the pH regulating machinery in tumors. <i>Frontiers in Physiology</i> , 2014, 4, 400.	2.8	157
5	Expression of transmembrane carbonic anhydrase isoenzymes IX and XII in normal human pancreas and pancreatic tumours. <i>Histochemistry and Cell Biology</i> , 2000, 114, 197-204.	1.7	125
6	Phosphorylation of Carbonic Anhydrase IX Controls Its Ability to Mediate Extracellular Acidification in Hypoxic Tumors. <i>Cancer Research</i> , 2011, 71, 7558-7567.	0.9	117
7	The proteoglycan region of the tumor-associated carbonic anhydrase isoform IX acts as an intrinsic buffer optimizing CO ₂ hydration at acidic pH values characteristic of solid tumors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 5825-5828.	2.2	79
8	Monoclonal antibodies generated in carbonic anhydrase IX-deficient mice recognize different domains of tumour-associated hypoxia-induced carbonic anhydrase IX*1. <i>Journal of Immunological Methods</i> , 2003, 282, 117-134.	1.4	71
9	Differential expression of cytoplasmic carbonic anhydrases, CA I and II, and membrane-associated isozymes, CA IX and XII, in normal mucosa of large intestine and in colorectal tumors. <i>Digestive Diseases and Sciences</i> , 2001, 46, 2179-2186.	2.3	57
10	Hypoxia induces cancer-associated cAMP/PKA signalling through HIF-mediated transcriptional control of adenylyl cyclases VI and VII. <i>Scientific Reports</i> , 2017, 7, 10121.	3.3	37
11	Monoclonal antibody G250 targeting CA IX: Binding specificity, internalization and therapeutic effects in a non-renal cancer model. <i>International Journal of Oncology</i> , 2014, 45, 2455-2467.	3.3	36
12	Expression Pattern of Carbonic Anhydrase IX in Medullary Thyroid Carcinoma Supports a Role for RET-Mediated Activation of the HIF Pathway. <i>American Journal of Pathology</i> , 2014, 184, 953-965.	3.8	31
13	Apoptosis-induced ectodomain shedding of hypoxia-regulated carbonic anhydrase IX from tumor cells: a double-edged response to chemotherapy. <i>BMC Cancer</i> , 2016, 16, 239.	2.6	23
14	Carnosine inhibits carbonic anhydrase IX-mediated extracellular acidosis and suppresses growth of HeLa tumor xenografts. <i>BMC Cancer</i> , 2014, 14, 358.	2.6	22
15	Dexamethasone downregulates expression of carbonic anhydrase IX via HIF-1 α and NF- κ B-dependent mechanisms. <i>International Journal of Oncology</i> , 2016, 49, 1277-1288.	3.3	19
16	Impairment of Hypoxia-Induced CA IX by Beta-Blocker Propranolol—Impact on Progression and Metastatic Potential of Colorectal Cancer Cells. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8760.	4.1	12
17	Impairment of carbonic anhydrase IX ectodomain cleavage reinforces tumorigenic and metastatic phenotype of cancer cells. <i>British Journal of Cancer</i> , 2020, 122, 1590-1603.	6.4	11
18	Antiviral Effect of Interferon Lambda Against Lymphocytic Choriomeningitis Virus. <i>Journal of Interferon and Cytokine Research</i> , 2015, 35, 540-553.	1.2	10

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19	Novel humanized monoclonal antibodies for targeting hypoxic human tumors via two distinct extracellular domains of carbonic anhydrase IX. <i>Cancer & Metabolism</i> , 2022, 10, 3.	5.0	9
20	Encapsulation of anti-carbonic anhydrase IX antibody in hydrogel microspheres for tumor targeting. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2016, 31, 110-118.	5.2	8
21	Herpesvirus of turkeys homologue of HSV VP16 is structurally related to varicella zoster virus trans-inducing protein encoded by ORF 10. <i>Virus Genes</i> , 1997, 15, 45-52.	1.6	5
22	Carbonic anhydrase IX deposits are associated with increased ascending aortic dilatation. <i>Scandinavian Cardiovascular Journal</i> , 2016, 50, 162-166.	1.2	3
23	Nucleotide sequence of the gene encoding the major capsid protein of herpesvirus of turkeys. <i>Virus Genes</i> , 2000, 20, 107-115.	1.6	2
24	PIMT Binding to C-Terminal Ala459 of CAIX Is Involved in Inside-Out Signaling Necessary for Its Catalytic Activity. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8545.	4.1	2
25	Hypoxic marker CA IX and adhesion mediator β -catenin are downregulated by lymphocytic choriomeningitis virus persistent infection. <i>Oncotarget</i> , 2018, 9, 12879-12893.	1.8	0