

Monique Dontenwill

List of Publications by Year in descending order

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69
papers

2,513
citations

186265
28
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docs citations

69
times ranked

2976
citing authors

#	ARTICLE	IF	CITATIONS
1	Regulation of focal adhesion dynamics and disassembly by phosphorylation of FAK at tyrosine 397. <i>Journal of Cell Science</i> , 2005, 118, 4415-4425.	2.0	227
2	The imidazoline preferring receptor: binding studies in bovine, rat and human brainstem. <i>European Journal of Pharmacology</i> , 1989, 162, 1-9.	3.5	160
3	Integrin $\alpha_5\beta_1$, the Fibronectin Receptor, as a Pertinent Therapeutic Target in Solid Tumors. <i>Cancers</i> , 2013, 5, 27-47.	3.7	159
4	Integrin $\alpha_5\beta_1$ Plays a Critical Role in Resistance to Temozolomide by Interfering with the p53 Pathway in High-Grade Glioma. <i>Cancer Research</i> , 2012, 72, 3463-3470.	0.9	102
5	Rilmidenidine selectivity for imidazoline receptors in human brain. <i>European Journal of Pharmacology</i> , 1989, 163, 373-377.	3.5	101
6	β_1 Integrins as Therapeutic Targets to Disrupt Hallmarks of Cancer. <i>Frontiers in Pharmacology</i> , 2015, 6, 279.	3.5	92
7	Human brain imidazoline receptors: further characterization with [3H]clonidine. <i>European Journal of Pharmacology</i> , 1994, 266, 25-33.	2.6	81
8	Selection of Nucleic Acid Aptamers Targeting Tumor Cell-Surface Protein Biomarkers. <i>Cancers</i> , 2017, 9, 69.	3.7	80
9	Liquid ordered phase in cell membranes evidenced by a hydration-sensitive probe: Effects of cholesterol depletion and apoptosis. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2010, 1798, 1436-1443.	2.6	75
10	The Small $\alpha_5\beta_1$ Integrin Antagonist, SJ749, Reduces Proliferation and Clonogenicity of Human Astrocytoma Cells. <i>Cancer Research</i> , 2006, 66, 6002-6007.	0.9	70
11	A Systematic Review of Glioblastoma-Targeted Therapies in Phases II, III, IV Clinical Trials. <i>Cancers</i> , 2021, 13, 1795.	3.7	67
12	$\alpha_5\beta_1$ integrin antagonists reduce chemotherapy-induced premature senescence and facilitate apoptosis in human glioblastoma cells. <i>International Journal of Cancer</i> , 2010, 127, 1240-1248.	5.1	65
13	Evidence for the existence of a homogenous population of imidazoline receptors in the human brainstem. <i>European Journal of Pharmacology</i> , 1988, 150, 401-402.	3.5	59
14	Imidazoline receptors: Qualitative structure-activity relationships and discovery of tracizoline and benazoline. Two ligands with high affinity and unprecedented selectivity. <i>Bioorganic and Medicinal Chemistry</i> , 1997, 5, 833-841.	3.0	55
15	Role of Integrins in Resistance to Therapies Targeting Growth Factor Receptors in Cancer. <i>Cancers</i> , 2019, 11, 692.	3.7	47
16	Formation of multicellular tumor spheroids induced by cyclic RGD-peptides and use for anticancer drug testing in vitro. <i>International Journal of Pharmaceutics</i> , 2016, 506, 148-157.	5.2	45
17	Caveolin-1 regulates glioblastoma aggressiveness through the control of $\alpha_5\beta_1$ integrin expression and modulates glioblastoma responsiveness to SJ749, an $\alpha_5\beta_1$ integrin antagonist. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2009, 1793, 354-367.	4.1	44
18	Activation of p53 pathway by Nutlin-3a inhibits the expression of the therapeutic target $\alpha_5\beta_1$ integrin in colon cancer cells. <i>Cancer Letters</i> , 2013, 336, 307-318.	7.2	41

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19	New concepts on the central regulation of blood pressure. <i>American Journal of Medicine</i> , 1989, 87, S10-S13.	1.5	36
20	Characterization of a partial cDNA clone detected by imidazoline receptor-selective antisera. <i>Journal of the Autonomic Nervous System</i> , 1998, 72, 98-110.	1.9	36
21	Respective contributions of α -adrenergic and non-adrenergic mechanisms in the hypotensive effect of imidazoline-like drugs. <i>British Journal of Pharmacology</i> , 2001, 133, 261-266.	5.4	36
22	Expression/activation of α 5 β 1 integrin is linked to the β -catenin signaling pathway to drive migration in glioma cells. <i>Oncotarget</i> , 2016, 7, 62194-62207.	1.8	36
23	Glioma cell dispersion is driven by α 5 integrin-mediated cell-matrix and cell-cell interactions. <i>Cancer Letters</i> , 2016, 376, 328-338.	7.2	34
24	Pyridylthiourea-grafted polyethylenimine offers an effective assistance to siRNA-mediated gene silencing in vitro and in vivo. <i>Journal of Controlled Release</i> , 2012, 157, 418-426.	9.9	33
25	α 2-Adrenoreceptors Profile Modulation and High Antinociceptive Activity of (S)-(α)-2-[1-(Biphenyl-2-yloxy)ethyl]-4,5-dihydro-1H-imidazole. <i>Journal of Medicinal Chemistry</i> , 2002, 45, 32-40.	6.4	30
26	Integrins and p53 pathways in glioblastoma resistance to temozolomide. <i>Frontiers in Oncology</i> , 2012, 2, 157.	2.8	30
27	Biological Relevance of RGD-specific Integrin Subtype-specific Ligands in Cancer. <i>ChemBioChem</i> , 2021, 22, 1151-1160.	2.6	30
28	Caveolin-1-negative head and neck squamous cell carcinoma primary tumors display increased epithelial to mesenchymal transition and prometastatic properties. <i>Oncotarget</i> , 2015, 6, 41884-41901.	1.8	30
29	Co-detection by two imidazoline receptor protein antisera of a novel 85 kilodalton protein. <i>Biochemical Pharmacology</i> , 1998, 55, 649-655.	4.4	29
30	Involvement of the TGF β 2 pathway in the regulation of α 5 β 1 integrins by caveolin-1 in human glioblastoma. <i>International Journal of Cancer</i> , 2012, 131, 601-611.	5.1	29
31	TGF β 2, Fibronectin and Integrin α 5 β 1 Promote Invasion in Basal Cell Carcinoma. <i>Journal of Investigative Dermatology</i> , 2018, 138, 2432-2442.	0.7	29
32	Evidence for the Existence of Imidazoline-specific Binding Sites in Synaptosomal Plasma Membranes of the Bovine Brainstem. <i>Journal of Neurochemistry</i> , 1998, 71, 2193-2202.	3.9	28
33	Characterization of imidazoline binding protein(s) solubilized from human brainstem: Studies with [3 H]idazoxan and [3 H]clonidine. <i>Neurochemistry International</i> , 1994, 25, 183-191.	3.8	27
34	IRAS, the human homologue of Nischarin, prolongs survival of transfected PC12 cells. <i>Cell Death and Differentiation</i> , 2003, 10, 933-935.	11.2	27
35	Isolation of a human cerebral imidazoline-specific binding protein. <i>European Journal of Pharmacology</i> , 1994, 265, R1-R2.	3.5	26
36	Imidazoline Binding Sites (IBS) Profile Modulation: A Key Role of the Bridge in Determining I1-IBS or I2-IBS Selectivity within a Series of 2-Phenoxyethylimidazoline Analogues. <i>Journal of Medicinal Chemistry</i> , 2003, 46, 2169-2176.	6.4	26

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37	RNA Aptamers Targeting Integrin $\alpha_5\beta_1$ as Probes for Cyto- and Histofluorescence in Glioblastoma. <i>Molecular Therapy - Nucleic Acids</i> , 2019, 17, 63-77.	5.1	26
38	Synthetic Viruslike Particles for Targeted Gene Delivery to $\alpha_3\beta_1$ Integrin-Presenting Endothelial Cells. <i>Molecular Pharmaceutics</i> , 2009, 6, 1544-1552.	4.6	25
39	IRAS Is an Anti-Apoptotic Protein. <i>Annals of the New York Academy of Sciences</i> , 2003, 1009, 400-412.	3.8	23
40	Quantitative measurement of delivery and gene silencing activities of siRNA polyplexes containing pyridylthiourea-grafted polyethylenimines. <i>Journal of Controlled Release</i> , 2014, 182, 1-12.	9.9	22
41	Single cell tracking assay reveals an opposite effect of selective small non-peptidic $\alpha_5\beta_1$ or $\alpha_3\beta_1/\alpha_5\beta_1$ integrin antagonists in U87MG glioma cells. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2014, 1840, 2978-2987.	2.4	21
42	Imidazoline Receptors in Cardiovascular and Metabolic Diseases. <i>Journal of Cardiovascular Pharmacology</i> , 2000, 35, S21-S25.	1.9	21
43	Production and characterization of anti-clonidine antibodies not cross-reacting with catecholamines. <i>European Journal of Pharmacology</i> , 1988, 149, 249-255.	3.5	20
44	[125I]2-(2-Chloro-4-iodo-phenylamino)-5-methyl-pyrroline (LNP 911), a High-Affinity Radioligand Selective for I1Imidazoline Receptors. <i>Molecular Pharmacology</i> , 2002, 62, 181-191.	2.3	17
45	I1 imidazoline receptor-mediated effects on apoptotic processes in PC12 cells. <i>Cell Death and Differentiation</i> , 2004, 11, 1049-1052.	11.2	17
46	Gefitinib induces EGFR and $\alpha_5\beta_1$ integrin co-endocytosis in glioblastoma cells. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 2949-2962.	5.4	16
47	Does a second generation of centrally acting antihypertensive drugs really exist?. <i>Journal of the Autonomic Nervous System</i> , 1998, 72, 94-97.	1.9	15
48	Hypoxia Inducible Factors TM Signaling in Pediatric High-Grade Gliomas: Role, Modelization and Innovative Targeted Approaches. <i>Cancers</i> , 2020, 12, 979.	3.7	15
49	Hypoxic Environment and Paired Hierarchical 3D and 2D Models of Pediatric H3.3-Mutated Gliomas Recreate the Patient Tumor Complexity. <i>Cancers</i> , 2019, 11, 1875.	3.7	14
50	A polyclonal antibody raised against clonidine: a model for the specific imidazoline receptor. <i>European Journal of Pharmacology</i> , 1987, 137, 143-144.	3.5	13
51	Antiidiotypic Antibodies as Tools to Study Imidazoline Receptors. <i>Annals of the New York Academy of Sciences</i> , 1995, 763, 140-148.	3.8	13
52	Polyclonal anti-idiotypic antibodies to idazoxan and their interaction with human brain imidazoline binding sites. <i>European Journal of Pharmacology</i> , 1996, 306, 211-218.	3.5	13
53	Methylation of imidazoline related compounds leads to loss of α_2 -adrenoceptor affinity. Synthesis and biological evaluation of selective I1 imidazoline receptor ligands. <i>Bioorganic and Medicinal Chemistry</i> , 2012, 20, 4710-4715.	3.0	13
54	Differential sensitivity to inverse agonists of GABAA/benzodiazepine receptors in rats with genetic absence-epilepsy. <i>Epilepsy Research</i> , 2001, 47, 43-53.	1.6	11

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55	2-(2-Phenylcyclopropyl)imidazolines: Reversed Enantioselective Interaction at I1 and I2 Imidazoline Receptors. <i>Journal of Medicinal Chemistry</i> , 1999, 42, 2737-2740.	6.4	10
56	Imidazoline Receptors and Cardiovascular Regulations.. <i>Annals of the New York Academy of Sciences</i> , 1995, 763, 526-530.	3.8	9
57	Heterogeneity of imidazoline binding sites revealed by a cirazoline derivative. <i>European Journal of Pharmacology</i> , 1994, 271, 533-536.	3.5	8
58	Detection of a hypersialylated beta1 integrin endogenously expressed in the human astrocytoma cell line A172. <i>International Journal of Oncology</i> , 2008, 32, 1021-31.	3.3	8
59	Polyclonal anti-idazoxan antibodies: characterization and purification. <i>European Journal of Pharmacology</i> , 1993, 246, 45-51.	2.6	7
60	Cav1/EREG/YAP Axis in the Treatment Resistance of Cav1-Expressing Head and Neck Squamous Cell Carcinoma. <i>Cancers</i> , 2021, 13, 3038.	3.7	7
61	Detection of a hypersialylated β 1 integrin endogenously expressed in the human astrocytoma cell line A172. <i>International Journal of Oncology</i> , 2008, , .	3.3	5
62	Advanced quantification for single-cell adhesion by variable-angle TIRF nanoscopy. <i>Biophysical Reports</i> , 2021, 1, 100021.	1.2	5
63	Together Intra-Tumor Hypoxia and Macrophagic Immunity Are Driven Worst Outcome in Pediatric High-Grade Osteosarcomas. <i>Cancers</i> , 2022, 14, 1482.	3.7	5
64	Expression Analysis of β 5 Integrin Subunit Reveals Its Upregulation as a Negative Prognostic Biomarker for Glioblastoma. <i>Pharmaceuticals</i> , 2021, 14, 882.	3.8	3
65	Further biochemical characterization of imidazoline binding sites from the human brainstem. <i>Fundamental and Clinical Pharmacology</i> , 1997, 11, 63-67.	1.9	2
66	Alpha2-Adrenergic Receptors in Intestinal Epithelial Cells: Mechanisms of Signaling, Role, and Regulation. <i>Medicinal Chemistry Research</i> , 2004, 13, 170-189.	2.4	2
67	A DNA Repair and Cell Cycle Gene Expression Signature in Pediatric High-Grade Gliomas: Prognostic and Therapeutic Value. <i>Cancers</i> , 2021, 13, 2252.	3.7	2
68	Temozolomide-Acquired Resistance Is Associated with Modulation of the Integrin Repertoire in Glioblastoma, Impact of β 1 Integrin. <i>Cancers</i> , 2022, 14, 369.	3.7	2
69	Binding of new cirazoline derivative to imidazoline receptors from human brain. <i>Neurochemistry International</i> , 1997, 30, 9-16.	3.8	1