

Simon L Goodman

List of Publications by Year in descending order

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61
papers

10,054
citations

61984

43
h-index

110387

64
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65
all docs

65
docs citations

65
times ranked

10007
citing authors

#	ARTICLE	IF	CITATIONS
1	Crystal Structure of the Extracellular Segment of Integrin $\alpha_5\beta_3$ in Complex with an Arg-Gly-Asp Ligand. <i>Science</i> , 2002, 296, 151-155.	12.6	1,529
2	Crystal Structure of the Extracellular Segment of Integrin $\alpha_5\beta_3$. <i>Science</i> , 2001, 294, 339-345.	12.6	1,202
3	N-Methylated Cyclic RGD Peptides as Highly Active and Selective $\alpha_5\beta_3$ Integrin Antagonists. <i>Journal of Medicinal Chemistry</i> , 1999, 42, 3033-3040.	6.4	788
4	Structural and Functional Aspects of RGD-Containing Cyclic Pentapeptides as Highly Potent and Selective Integrin $\alpha_5\beta_3$ Antagonists. <i>Journal of the American Chemical Society</i> , 1996, 118, 7461-7472.	13.7	581
5	Structure and mechanics of integrin-based cell adhesion. <i>Current Opinion in Cell Biology</i> , 2007, 19, 495-507.	5.4	368
6	Integrins as therapeutic targets. <i>Trends in Pharmacological Sciences</i> , 2012, 33, 405-412.	8.7	340
7	Surface Coating with Cyclic RGD Peptides Stimulates Osteoblast Adhesion and Proliferation as well as Bone Formation. <i>ChemBioChem</i> , 2000, 1, 107-114.	2.6	285
8	Decreased angiogenesis and arthritic disease in rabbits treated with an $\alpha_5\beta_3$ antagonist. <i>Journal of Clinical Investigation</i> , 1999, 103, 47-54.	8.2	285
9	Multimeric Cyclic RGD Peptides as Potential Tools for Tumor Targeting: Solid-Phase Peptide Synthesis and Chemoselective Oxime Ligation. <i>Chemistry - A European Journal</i> , 2003, 9, 2717-2725.	3.3	252
10	Invasion patterns in brain metastases of solid cancers. <i>Neuro-Oncology</i> , 2013, 15, 1664-1672.	1.2	191
11	Nanomolar Small Molecule Inhibitors for $\alpha_5\beta_6$, $\alpha_5\beta_5$, and $\alpha_5\beta_3$ Integrins. <i>Journal of Medicinal Chemistry</i> , 2002, 45, 1045-1051.	6.4	183
12	α_3 and α_5 integrin antagonists inhibit angiogenesis in vitro. <i>Angiogenesis</i> , 2003, 6, 105-119.	7.2	183
13	Inhibition of Integrin $\alpha_5\beta_6$ on Cholangiocytes Blocks Transforming Growth Factor- β_2 Activation and Retards Biliary Fibrosis Progression. <i>Gastroenterology</i> , 2008, 135, 660-670.	1.3	177
14	Integrins as Therapeutic Targets: Successes and Cancers. <i>Cancers</i> , 2017, 9, 110.	3.7	177
15	Coming to grips with integrin binding to ligands. <i>Current Opinion in Cell Biology</i> , 2002, 14, 641-652.	5.4	172
16	New insights into the structural basis of integrin activation. <i>Blood</i> , 2003, 102, 1155-1159.	1.4	170
17	Three-dimensional EM structure of the ectodomain of integrin $\alpha_5\beta_3$ in a complex with fibronectin. <i>Journal of Cell Biology</i> , 2005, 168, 1109-1118.	5.2	166
18	Crystal structure of the complete integrin $\alpha_5\beta_3$ ectodomain plus an α_5/β_2 transmembrane fragment. <i>Journal of Cell Biology</i> , 2009, 186, 589-600.	5.2	163

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19	Pharmacological inhibition of integrin $\alpha_5\beta_3$ aggravates experimental liver fibrosis and suppresses hepatic angiogenesis. <i>Hepatology</i> , 2009, 50, 1501-1511.	7.3	154
20	Immunohistochemical analysis of integrin $\alpha_5\beta_3$ expression on tumor-associated vessels of human carcinomas. , 1997, 71, 320-324.		151
21	Cell-cell interaction and polarity of epithelial cells: Specific perturbation using a monoclonal antibody. <i>Cell</i> , 1983, 35, 667-675.	28.9	147
22	Cyclic RGD Peptides Containing β_2 -Turn Mimetics. <i>Journal of the American Chemical Society</i> , 1996, 118, 7881-7891.	13.7	140
23	Definition of an Unexpected Ligand Recognition Motif for $\alpha_5\beta_6$ Integrin. <i>Journal of Biological Chemistry</i> , 1999, 274, 1979-1985.	3.4	126
24	Carbohydrate Derivatives for Use in Drug Design: Cyclic α_v -Selective RGD Peptides. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 2761-2764.	13.8	120
25	Radiation sensitization of glioblastoma by cilengitide has unanticipated scheduleâ€dependency. <i>International Journal of Cancer</i> , 2009, 124, 2719-2727.	5.1	120
26	CYR61 and $\alpha_5\beta_2$ Integrin Cooperate to Promote Invasion and Metastasis of Tumors Growing in Preirradiated Stroma. <i>Cancer Research</i> , 2008, 68, 7323-7331.	0.9	109
27	Solid-Phase Synthesis of a Nonpeptide RGD Mimetic Library:â€ New Selective $\alpha_5\beta_3$ Integrin Antagonists. <i>Journal of Medicinal Chemistry</i> , 2001, 44, 1938-1950.	6.4	105
28	Structural basis for pure antagonism of integrin $\alpha_5\beta_3$ by a high-affinity form of fibronectin. <i>Nature Structural and Molecular Biology</i> , 2014, 21, 383-388.	8.2	104
29	Titanium Implant Materials with Improved Biocompatibility through Coating with Phosphonate-Anchored Cyclic RGD Peptides. <i>ChemBioChem</i> , 2005, 6, 2034-2040.	2.6	103
30	Integrin control of the transforming growth factor- β_2 pathway in glioblastoma. <i>Brain</i> , 2013, 136, 564-576.	7.6	94
31	$\alpha_v\beta_6$ Integrin isoform expression in primary human tumors and brain metastases. <i>International Journal of Cancer</i> , 2013, 133, 2362-2371.	5.1	94
32	A Novel Adaptation of the Integrin PSI Domain Revealed from Its Crystal Structure. <i>Journal of Biological Chemistry</i> , 2004, 279, 40252-40254.	3.4	84
33	Novel Solid-Phase Synthesis of Azapeptides and Azapeptoides via Fmoc-Strategy and Its Application in the Synthesis of RGD-Mimetics. <i>Journal of Organic Chemistry</i> , 1999, 64, 7388-7394.	3.2	82
34	Cilengitide inhibits progression of experimental breast cancer bone metastases as imaged noninvasively using VCT, MRI and DCEâ€MRI in a longitudinal <i>in vivo</i> study. <i>International Journal of Cancer</i> , 2011, 128, 2453-2462.	5.1	78
35	Integrins, cations and ligands: making the connection. <i>Journal of Thrombosis and Haemostasis</i> , 2003, 1, 1642-1654.	3.8	71
36	Matched rabbit monoclonal antibodies against α_v -series integrins reveal a novel $\alpha_5\beta_3$ -LIBS epitope, and permit routine staining of archival paraffin samples of human tumors. <i>Biology Open</i> , 2012, 1, 329-340.	1.2	70

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37	Dissecting the Role of Matrix Metalloproteinases (MMP) and Integrin $\alpha_5\beta_1$ in Angiogenesis In vitro: Absence of Hemopexin C Domain Bioactivity, but Membrane-Type 1-MMP and $\alpha_5\beta_1$ Are Critical. <i>Cancer Research</i> , 2005, 65, 9377-9387.	0.9	65
38	Cilengitide in newly diagnosed glioblastoma: biomarker expression and outcome. <i>Oncotarget</i> , 2016, 7, 15018-15032.	1.8	62
39	Design of superactive and selective integrin receptor antagonists containing the RGD sequence. <i>International Journal of Peptide Research and Therapeutics</i> , 1995, 2, 155-160.	0.1	57
40	Pharmacological inhibition of the vitronectin receptor abrogates PDGF-BB-induced hepatic stellate cell migration and activation in vitro. <i>Journal of Hepatology</i> , 2007, 46, 878-887.	3.7	56
41	Control of cell locomotion: perturbation with an antibody directed against specific glycoproteins. <i>Cell</i> , 1985, 41, 1029-1038.	28.9	51
42	$\alpha_5\beta_1$, $\alpha_5\beta_2$ and $\alpha_5\beta_3$ integrins in brain metastases of lung cancer. <i>Clinical and Experimental Metastasis</i> , 2014, 31, 841-851.	3.3	51
43	Integrins $\alpha_5\beta_1$ and $\alpha_5\beta_2$ as prognostic, diagnostic, and therapeutic targets in gastric cancer. <i>Gastric Cancer</i> , 2015, 18, 784-795.	5.3	50
44	Longitudinal Expression Analysis of α_5 Integrins in Human Gliomas Reveals Upregulation of Integrin $\alpha_5\beta_1$ as a Negative Prognostic Factor. <i>Journal of Neuropathology and Experimental Neurology</i> , 2013, 72, 194-210.	1.7	46
45	Neovascular Targeting with Cyclic RGD Peptide (cRGDf-ACHA) to Enhance Delivery of Radioimmunotherapy. <i>Cancer Biotherapy and Radiopharmaceuticals</i> , 2000, 15, 71-79.	1.0	42
46	Immunohistochemical analysis of integrins $\alpha_5\beta_1$, $\alpha_5\beta_2$ and $\alpha_5\beta_3$, and their ligands, fibrinogen, fibronectin, osteopontin and vitronectin, in frozen sections of human oral head and neck squamous cell carcinomas. <i>Experimental and Therapeutic Medicine</i> , 2011, 2, 9-19.	1.8	42
47	Circulating and imaging markers for angiogenesis. <i>Angiogenesis</i> , 2008, 11, 321-335.	7.2	40
48	Improving Implant Materials by Coating with Nonpeptidic, Highly Specific Integrin Ligands. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 6649-6652.	13.8	39
49	The antibody horror show: an introductory guide for the perplexed. <i>New Biotechnology</i> , 2018, 45, 9-13.	4.4	34
50	Nonpeptidic $\alpha_5\beta_1$ Integrin Antagonist Libraries: On-Bead Screening and Mass Spectrometric Identification without Tagging. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 165-169.	13.8	33
51	Atomic Basis for the Species-specific Inhibition of α_5 Integrins by Monoclonal Antibody 17E6 Is Revealed by the Crystal Structure of $\alpha_5\beta_1$ Ectodomain-17E6 Fab Complex. <i>Journal of Biological Chemistry</i> , 2014, 289, 13801-13809.	3.4	32
52	Monitoring multiple angiogenesis-related molecules in the blood of cancer patients shows a correlation between VEGF-A and MMP-9 levels before treatment and divergent changes after surgical vs. conservative therapy. <i>International Journal of Cancer</i> , 2006, 118, 755-764.	5.1	30
53	Comparing the expression of integrins $\alpha_5\beta_1$, $\alpha_5\beta_2$, $\alpha_5\beta_3$, $\alpha_5\beta_4$, fibronectin and fibrinogen in human brain metastases and their corresponding primary tumors. <i>International Journal of Clinical and Experimental Pathology</i> , 2013, 6, 2719-32.	0.5	29
54	The Antibody Society's antibody validation webinar series. <i>MAbs</i> , 2020, 12, 1794421.	5.2	26

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55	Integrins and their ligands are expressed in non-small cell lung cancer but not correlated with parameters of disease progression. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2014, 464, 69-78.	2.8	25
56	Purification, Analysis, and Crystal Structure of Integrins. <i>Methods in Enzymology</i> , 2007, 426, 307-336.	1.0	16
57	The path to VICTORY â€“ a beginner's guide to success using commercial research antibodies. <i>Journal of Cell Science</i> , 2018, 131, .	2.0	10
58	The $\alpha 2 \beta 1 / \alpha 5 \beta 1$ integrin inhibitor cilengitide augments tumor response to melphalan isolated limb perfusion in a sarcoma model. <i>International Journal of Cancer</i> , 2013, 132, 2694-2704.	5.1	9
59	Validation and Comparison of Anti- $\alpha 2 \beta 1$ and Anti- $\alpha 5 \beta 1$ Rabbit Monoclonal Versus Murine Monoclonal Antibodies in Four Different Tumor Entities. <i>Applied Immunohistochemistry and Molecular Morphology</i> , 2013, 21, 553-560.	1.2	9
60	Divalent cations and the relationship between αA and βA domains in integrins. <i>Biochemical Pharmacology</i> , 2002, 64, 805-812.	4.4	4
61	Pitdown wasn't cricket but does the hobbit ring true?. <i>Nature</i> , 2006, 443, 394-394.	27.8	1