

# Guido Tarone

## List of Publications by Citations

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87  
papers

5,738  
citations

45  
h-index

75  
g-index

87  
ext. papers

6,090  
ext. citations

7.5  
avg, IF

4.96  
L-index

#	Paper	IF	Citations
87	Role of alphavbeta3 integrin in the activation of vascular endothelial growth factor receptor-2. <i>EMBO Journal</i> , <b>1999</b> , 18, 882-92	13	521
86	Positional control of cell fate through joint integrin/receptor protein kinase signaling. <i>Annual Review of Cell and Developmental Biology</i> , <b>2003</b> , 19, 173-206	12.6	302
85	Extracellular matrix, integrins, and growth factors as tailors of the stem cell niche. <i>Current Opinion in Cell Biology</i> , <b>2012</b> , 24, 645-51	9	297
84	Integrin-induced epidermal growth factor (EGF) receptor activation requires c-Src and p130Cas and leads to phosphorylation of specific EGF receptor tyrosines. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 9405-14	5.4	288
83	Melusin, a muscle-specific integrin beta1-interacting protein, is required to prevent cardiac failure in response to chronic pressure overload. <i>Nature Medicine</i> , <b>2003</b> , 9, 68-75	50.5	240
82	Protection from angiotensin II-mediated vasculotoxic and hypertensive response in mice lacking PI3Kgamma. <i>Journal of Experimental Medicine</i> , <b>2005</b> , 201, 1217-28	16.6	142
81	Actin cytoskeleton organization in response to integrin-mediated adhesion. <i>Microscopy Research and Technique</i> , <b>1999</b> , 47, 67-78	2.8	137
80	Integrin signalling: the tug-of-war in heart hypertrophy. <i>Cardiovascular Research</i> , <b>2006</b> , 70, 422-33	9.9	134
79	Distinct roles of the adaptor protein Shc and focal adhesion kinase in integrin signaling to ERK. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 36532-40	5.4	125
78	Muscle beta1D integrin reinforces the cytoskeleton-matrix link: modulation of integrin adhesive function by alternative splicing. <i>Journal of Cell Biology</i> , <b>1997</b> , 139, 1583-95	7.3	120
77	Distribution of beta 1 integrin subunit in rat seminiferous epithelium. <i>Biology of Reproduction</i> , <b>1992</b> , 47, 1173-82	3.9	116
76	p130Cas as a new regulator of mammary epithelial cell proliferation, survival, and HER2-neu oncogene-dependent breast tumorigenesis. <i>Cancer Research</i> , <b>2006</b> , 66, 4672-80	10.1	112
75	p130Cas interacts with estrogen receptor alpha and modulates non-genomic estrogen signaling in breast cancer cells. <i>Journal of Cell Science</i> , <b>2004</b> , 117, 1603-11	5.3	110
74	Adaptive and maladaptive hypertrophic pathways: points of convergence and divergence. <i>Cardiovascular Research</i> , <b>2004</b> , 63, 373-80	9.9	108
73	A human integrin beta 1 subunit with a unique cytoplasmic domain generated by alternative mRNA processing. <i>Gene</i> , <b>1990</b> , 95, 261-6	3.8	98
72	Cleavage of a 135 kD cell surface glycoprotein correlates with loss of fibroblast adhesion to fibronectin. <i>Experimental Cell Research</i> , <b>1985</b> , 156, 182-90	4.2	96
71	Cardiac overexpression of melusin protects from dilated cardiomyopathy due to long-standing pressure overload. <i>Circulation Research</i> , <b>2005</b> , 96, 1087-94	15.7	91

70	Endothelial podosome rosettes regulate vascular branching in tumour angiogenesis. <i>Nature Cell Biology</i> , <b>2014</b> , 16, 931-41, 1-8	23.4	89
69	Melusin is a new muscle-specific interactor for beta(1) integrin cytoplasmic domain. <i>Journal of Biological Chemistry</i> , <b>1999</b> , 274, 29282-8	5.4	86
68	Association of the dystroglycan complex isolated from bovine brain synaptosomes with proteins involved in signal transduction. <i>Journal of Neurochemistry</i> , <b>1999</b> , 72, 1648-55	6	85
67	Nerve growth factor induces increased expression of a laminin-binding integrin in rat pheochromocytoma PC12 cells. <i>Experimental Cell Research</i> , <b>1990</b> , 189, 100-8	4.2	82
66	Dissection of pathways implicated in integrin-mediated actin cytoskeleton assembly. Involvement of protein kinase C, Rho GTPase, and tyrosine phosphorylation. <i>Journal of Biological Chemistry</i> , <b>1997</b> , 272, 21726-34	5.4	79
65	Defective Rac-mediated proliferation and survival after targeted mutation of the beta1 integrin cytodomain. <i>Journal of Cell Biology</i> , <b>2002</b> , 157, 481-92	7.3	76
64	Focal adhesion and stress fiber formation is regulated by tyrosine phosphatase activity. <i>Experimental Cell Research</i> , <b>1996</b> , 229, 307-17	4.2	72
63	Targeting myocardial remodelling to develop novel therapies for heart failure: a position paper from the Working Group on Myocardial Function of the European Society of Cardiology. <i>European Journal of Heart Failure</i> , <b>2014</b> , 16, 494-508	12.3	71
62	Alpha v integrin subunit is predominantly located in nervous tissue and skeletal muscle during mouse development. <i>Developmental Dynamics</i> , <b>1994</b> , 201, 108-20	2.9	71
61	p125FAK tyrosine phosphorylation and focal adhesion assembly: studies with phosphotyrosine phosphatase inhibitors. <i>Experimental Cell Research</i> , <b>1995</b> , 221, 141-52	4.2	70
60	IQGAP1 regulates ERK1/2 and AKT signalling in the heart and sustains functional remodelling upon pressure overload. <i>Cardiovascular Research</i> , <b>2011</b> , 91, 456-64	9.9	69
59	Cloning of cDNA for a novel mouse membrane glycoprotein (gp42): shared identity to histocompatibility antigens, immunoglobulins and neural-cell adhesion molecules. <i>Gene</i> , <b>1989</b> , 85, 445-51	3.8	69
58	p130Cas mediates the transforming properties of the anaplastic lymphoma kinase. <i>Blood</i> , <b>2005</b> , 106, 3907-16	2.2	66
57	p140Cap protein suppresses tumour cell properties, regulating Csk and Src kinase activity. <i>EMBO Journal</i> , <b>2007</b> , 26, 2843-55	13	65
56	beta1-integrin cytoplasmic subdomains involved in dominant negative function. <i>Molecular Biology of the Cell</i> , <b>1998</b> , 9, 715-31	3.5	65
55	A 135,000 molecular weight plasma membrane glycoprotein involved in fibronectin-mediated cell adhesion. Immunofluorescence localization in normal and RSV-transformed fibroblasts. <i>Experimental Cell Research</i> , <b>1986</b> , 163, 47-62	4.2	61
54	Selective Rac-1 inhibition protects from diabetes-induced vascular injury. <i>Circulation Research</i> , <b>2006</b> , 98, 218-25	15.7	60
53	The IKK/NF- $\kappa$ B signaling pathway requires Morgana to drive breast cancer metastasis. <i>Nature Communications</i> , <b>2017</b> , 8, 1636	17.4	59

52	Cross talk between beta(1) and alpha(V) integrins: beta(1) affects beta(3) mRNA stability. <i>Molecular Biology of the Cell</i> , <b>2001</b> , 12, 3126-38	3.5	55
51	Convergence of integrins and EGF receptor signaling via PI3K/Akt/FoxO pathway in early gene Egr-1 expression. <i>Journal of Cellular Physiology</i> , <b>2009</b> , 218, 294-303	7	54
50	Alpha 2 beta 1 integrin is required for the collagen and FGF-1 induced cell dispersion in a rat bladder carcinoma cell line. <i>Cell Adhesion and Communication</i> , <b>1996</b> , 4, 187-99		54
49	Integrin-mediated signal transduction in human endothelial cells: analysis of tyrosine phosphorylation events. <i>Cell Adhesion and Communication</i> , <b>1994</b> , 2, 75-86		54
48	The integrin cytoplasmic domain-associated protein ICAP-1 binds and regulates Rho family GTPases during cell spreading. <i>Journal of Cell Biology</i> , <b>2002</b> , 156, 377-87	7.3	52
47	ERK1/2 activation in heart is controlled by melusin, focal adhesion kinase and the scaffold protein IQGAP1. <i>Journal of Cell Science</i> , <b>2011</b> , 124, 3515-24	5.3	51
46	P130Cas-associated protein (p140Cap) as a new tyrosine-phosphorylated protein involved in cell spreading. <i>Molecular Biology of the Cell</i> , <b>2004</b> , 15, 787-800	3.5	51
45	Towards a re-definition of cardiac hypertrophy through a rational characterization of left ventricular phenotypes: a position paper of the Working Group Myocardial Function of the ESC. <i>European Journal of Heart Failure</i> , <b>2011</b> , 13, 811-9	12.3	45
44	Soluble integrin ligands and growth factors independently rescue neuroblastoma cells from apoptosis under nonadherent conditions. <i>Experimental Cell Research</i> , <b>1997</b> , 237, 326-37	4.2	45
43	Differential onset of expression of alpha 7 and beta 1D integrins during mouse heart and skeletal muscle development. <i>Cell Adhesion and Communication</i> , <b>1998</b> , 5, 193-205		45
42	The mammalian CHORD-containing protein melusin is a stress response protein interacting with Hsp90 and Sgt1. <i>FEBS Letters</i> , <b>2008</b> , 582, 1788-94	3.8	44
41	Quantification of the expression level of integrin receptor alpha(v)beta3 in cell lines and MR imaging with antibody-coated iron oxide particles. <i>Magnetic Resonance in Medicine</i> , <b>2006</b> , 56, 711-6	4.4	44
40	Laminin-binding integrin alpha7 is required for contractile phenotype expression by human airway myocytes. <i>American Journal of Respiratory Cell and Molecular Biology</i> , <b>2007</b> , 37, 668-80	5.7	44
39	p130Cas is an essential transducer element in ErbB2 transformation. <i>FASEB Journal</i> , <b>2010</b> , 24, 3796-808	0.9	39
38	Morgana/chp-1, a ROCK inhibitor involved in centrosome duplication and tumorigenesis. <i>Developmental Cell</i> , <b>2010</b> , 18, 486-95	10.2	38
37	Alternative BCR/ABL splice variants in Philadelphia chromosome-positive leukemias result in novel tumor-specific fusion proteins that may represent potential targets for immunotherapy approaches. <i>Cancer Research</i> , <b>2007</b> , 67, 5300-7	10.1	37
36	Systematic analysis of the epidermal growth factor receptor by mass spectrometry reveals stimulation-dependent multisite phosphorylation. <i>Molecular and Cellular Proteomics</i> , <b>2005</b> , 4, 1107-21	7.6	37
35	Integrin-mediated adhesion of endothelial cells induces JAK2 and STAT5A activation: role in the control of c-fos gene expression. <i>Molecular Biology of the Cell</i> , <b>1999</b> , 10, 3463-71	3.5	36

34	Keep your heart in shape: molecular chaperone networks for treating heart disease. <i>Cardiovascular Research</i> , <b>2014</b> , 102, 346-61	9.9	35
33	Melusin protects from cardiac rupture and improves functional remodelling after myocardial infarction. <i>Cardiovascular Research</i> , <b>2014</b> , 101, 97-107	9.9	33
32	{beta}1 Integrin and IL-3R coordinately regulate STAT5 activation and anchorage-dependent proliferation. <i>Journal of Cell Biology</i> , <b>2005</b> , 168, 1099-108	7.3	32
31	Overexpression of the muscle-specific protein, melusin, protects from cardiac ischemia/reperfusion injury. <i>Basic Research in Cardiology</i> , <b>2014</b> , 109, 418	11.8	31
30	Molecular interplay between mechanical and humoral signalling in cardiac hypertrophy. <i>Trends in Molecular Medicine</i> , <b>2003</b> , 9, 376-82	11.5	29
29	Magnetic resonance imaging visualization of targeted cells by the internalization of supramolecular adducts formed between avidin and biotinylated Gd3+ chelates. <i>Journal of Biological Inorganic Chemistry</i> , <b>2005</b> , 10, 78-86	3.7	29
28	Chp-1 and melusin, two CHORD containing proteins in vertebrates. <i>FEBS Letters</i> , <b>2003</b> , 551, 47-52	3.8	28
27	Surface functionalization of polyurethane scaffolds mimicking the myocardial microenvironment to support cardiac primitive cells. <i>PLoS ONE</i> , <b>2018</b> , 13, e0199896	3.7	26
26	Morgana and melusin: two fairies chaperoning signal transduction. <i>Cell Cycle</i> , <b>2011</b> , 10, 3678-83	4.7	26
25	Quantitation of multisite EGF receptor phosphorylation using mass spectrometry and a novel normalization approach. <i>Journal of Proteome Research</i> , <b>2007</b> , 6, 2768-85	5.6	26
24	The muscle-specific laminin receptor alpha7 beta1 integrin negatively regulates alpha5 beta1 fibronectin receptor function. <i>Experimental Cell Research</i> , <b>1999</b> , 246, 421-32	4.2	26
23	Role of tyrosine phosphorylation in matrix-induced neurite outgrowth in human neuroblastoma cells. <i>Experimental Cell Research</i> , <b>1994</b> , 214, 313-22	4.2	24
22	Distinct involvement of cdc42 and RhoA GTPases in actin organization and cell shape in untransformed and Dbl oncogene transformed NIH3T3 cells. <i>Oncogene</i> , <b>2000</b> , 19, 1428-36	9.2	23
21	Morgana acts as a proto-oncogene through inhibition of a ROCK-PTEN pathway. <i>Journal of Pathology</i> , <b>2014</b> , 234, 152-63	9.4	19
20	Morgana/CHP-1 is a novel chaperone able to protect cells from stress. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>2010</b> , 1803, 1043-9	4.9	19
19	Actin cytoskeleton polymerization in Dbl-transformed NIH3T3 fibroblasts is dependent on cell adhesion to specific extracellular matrix proteins. <i>Oncogene</i> , <b>1997</b> , 14, 1933-43	9.2	18
18	Sarcoglycan subcomplex expression in normal human smooth muscle. <i>Journal of Histochemistry and Cytochemistry</i> , <b>2007</b> , 55, 831-43	3.4	18
17	Morgana acts as an oncosuppressor in chronic myeloid leukemia. <i>Blood</i> , <b>2015</b> , 125, 2245-53	2.2	17

16	Altered melusin expression in the hearts of aortic stenosis patients. <i>European Journal of Heart Failure</i> , <b>2007</b> , 9, 568-73	12.3	13
15	Key role of ERK1/2 molecular scaffolds in heart pathology. <i>Cellular and Molecular Life Sciences</i> , <b>2013</b> , 70, 4047-54	10.3	12
14	Beta1B integrin interferes with matrix assembly but not with confluent monolayer polarity, and alters some morphogenetic properties of FRT epithelial cells. <i>European Journal of Cell Biology</i> , <b>1998</b> , 75, 107-17	6.1	12
13	Identification of Krit1B: a novel alternative splicing isoform of cerebral cavernous malformation gene-1. <i>Gene</i> , <b>2004</b> , 325, 63-78	3.8	12
12	Inhibition of experimental metastasis of murine fibrosarcoma cells by oligopeptide analogues to the fibronectin cell-binding site. <i>International Journal of Cancer</i> , <b>1989</b> , 43, 102-6	7.5	12
11	Mouse fibroblasts transformed by Rous sarcoma virus express a virus-specific non-virion transplantation antigen. <i>International Journal of Cancer</i> , <b>1981</b> , 27, 797-805	7.5	11
10	Melusin gene (ITGB1BP2) nucleotide variations study in hypertensive and cardiopathic patients. <i>BMC Medical Genetics</i> , <b>2009</b> , 10, 140	2.1	10
9	Purification of fibronectin from human plasma. <i>Methods in Molecular Biology</i> , <b>1999</b> , 96, 119-24	1.4	10
8	The muscle-specific chaperone protein melusin is a potent cardioprotective agent. <i>Basic Research in Cardiology</i> , <b>2015</b> , 110, 10	11.8	8
7	Loss of melusin is a novel, neuronal NO synthase/FoxO3-independent master switch of unloading-induced muscle atrophy. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , <b>2020</b> , 11, 802-819	10.3	6
6	Interaction between cellular and viral genes in the expression of the RSV-induced transformation-specific cell-surface antigen VCSA. <i>International Journal of Cancer</i> , <b>1980</b> , 25, 355-62	7.5	6
5	The hyaluronate-binding site from the plasma membrane is distinct from the binding protein present in brain. <i>Connective Tissue Research</i> , <b>1987</b> , 16, 225-35	3.3	5
4	Purification of the beta subunit of the fibronectin receptor. <i>FEBS Journal</i> , <b>1988</b> , 172, 713-8		4
3	Interaction of fibroblasts, hemopoietic cells and platelets with extracellular matrix: characterization and role of a common cell surface glycoprotein. <i>Annals of the New York Academy of Sciences</i> , <b>1987</b> , 511, 65-76	6.5	1
2	Meeting highlights from the 2013 European Society of Cardiology Heart Failure Association Winter Meeting on Translational Heart Failure Research. <i>European Journal of Heart Failure</i> , <b>2014</b> , 16, 6-14	12.3	0
1	A new polymorphism, g119A>G, in the integrin alpha 7 (ITGA7) gene. <i>Human Mutation</i> , <b>2000</b> , 16, 180	4.7	