

# Mauro Torti

## List of Publications by Year in descending order

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81  
papers

2,822  
citations

159585

30  
h-index

182427

51  
g-index

81  
all docs

81  
docs citations

81  
times ranked

3447  
citing authors

#	ARTICLE	IF	CITATIONS
1	PI3K/Akt in platelet integrin signaling and implications in thrombosis. <i>Advances in Biological Regulation</i> , 2015, 59, 36-52.	2.3	138
2	Genetic evidence for a predominant role of PI3K $\beta$ catalytic activity in ITAM- and integrin-mediated signaling in platelets. <i>Blood</i> , 2009, 114, 2193-2196.	1.4	132
3	Signalling through the platelet glycoprotein Ib-V $\alpha$ IX complex. <i>Cellular Signalling</i> , 2004, 16, 1329-1344.	3.6	122
4	Biology and Role of Extracellular Vesicles (EVs) in the Pathogenesis of Thrombosis. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2840.	4.1	114
5	A Gi-dependent Pathway Is Required for Activation of the Small GTPase Rap1B in Human Platelets. <i>Journal of Biological Chemistry</i> , 2002, 277, 12009-12015.	3.4	106
6	Alzheimer disease and platelets: how relevant. <i>Immunity and Ageing</i> , 2012, 9, 20.	4.2	103
7	Nongenomic effects of 17 $\beta$ -estradiol in human platelets: potentiation of thrombin-induced aggregation through estrogen receptor $\beta$ and Src kinase. <i>Blood</i> , 2005, 105, 115-121.	1.4	97
8	A Selective Role for Phosphatidylinositol 3,4,5-Trisphosphate in the Gi-dependent Activation of Platelet Rap1B. <i>Journal of Biological Chemistry</i> , 2003, 278, 131-138.	3.4	92
9	Megakaryocytes of patients with MYH9-related thrombocytopenia present an altered proplatelet formation. <i>Thrombosis and Haemostasis</i> , 2009, 102, 90-96.	3.4	76
10	The small GTPase Rap1b regulates the cross talk between platelet integrin $\alpha$ 2 $\beta$ 1 and integrin $\alpha$ IIb $\beta$ 3. <i>Blood</i> , 2006, 107, 2728-2735.	1.4	72
11	Role of amyloid peptides in vascular dysfunction and platelet dysregulation in Alzheimer's disease. <i>Frontiers in Cellular Neuroscience</i> , 2015, 9, 65.	3.7	70
12	Platelet Activation by von Willebrand Factor Requires Coordinated Signaling through Thromboxane A2 and Fc $\gamma$ RIIA Receptor. <i>Journal of Biological Chemistry</i> , 2001, 276, 26022-26029.	3.4	65
13	FbsA, a fibrinogen-binding protein from <i>Streptococcus agalactiae</i> , mediates platelet aggregation. <i>Blood</i> , 2005, 105, 1052-1059.	1.4	65
14	Role and regulation of phosphatidylinositol 3-kinase $\beta$ in platelet integrin $\alpha$ 2 $\beta$ 1 signaling. <i>Blood</i> , 2012, 119, 847-856.	1.4	64
15	Platelet amyloid precursor protein is a modulator of venous thromboembolism in mice. <i>Blood</i> , 2017, 130, 527-536.	1.4	64
16	Identification and biochemical characterization of Rap2C, a new member of the Rap family of small GTP-binding proteins. <i>Biochimie</i> , 2006, 88, 285-295.	2.6	59
17	Molecular mechanisms of platelet activation and aggregation induced by breast cancer cells. <i>Cellular Signalling</i> , 2018, 48, 45-53.	3.6	58
18	A role for p38 MAP kinase in platelet activation by von Willebrand Factor. <i>Thrombosis and Haemostasis</i> , 2004, 91, 102-110.	3.4	56

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19	The small proteoglycan decorin supports adhesion and activation of human platelets. <i>Blood</i> , 2002, 100, 1707-1714.	1.4	52
20	Pathogenetic mechanisms of hematological abnormalities of patients with MYH9 mutations. <i>Human Molecular Genetics</i> , 2005, 14, 3169-3178.	2.9	52
21	The Gi-coupled P2Y12 Receptor Regulates Diacylglycerol-mediated Signaling in Human Platelets. <i>Journal of Biological Chemistry</i> , 2008, 283, 28795-28805.	3.4	51
22	Structure and Function of rap Proteins in Human Platelets. <i>Thrombosis and Haemostasis</i> , 1994, 71, 533-543.	3.4	51
23	Rap1B and Rap2B Translocation to the Cytoskeleton by von Willebrand Factor Involves Fc $\gamma$ RII Receptor-mediated Protein Tyrosine Phosphorylation. <i>Journal of Biological Chemistry</i> , 1999, 274, 13690-13697.	3.4	46
24	Contribution of Protease-activated Receptors 1 and 4 and Glycoprotein Ib-IX-V in the Gi-independent Activation of Platelet Rap1B by Thrombin. <i>Journal of Biological Chemistry</i> , 2004, 279, 25299-25306.	3.4	45
25	Amyloid $\beta$ -peptide-dependent activation of human platelets: essential role for Ca <sup>2+</sup> and ADP in aggregation and thrombus formation. <i>Biochemical Journal</i> , 2014, 462, 513-523.	3.7	44
26	Increased platelet adhesion and thrombus formation in a mouse model of Alzheimer's disease. <i>Cellular Signalling</i> , 2016, 28, 1863-1871.	3.6	44
27	Nanoparticles induce platelet activation in vitro through stimulation of canonical signalling pathways. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2012, 8, 1329-1336.	3.3	43
28	Impaired thrombin-induced platelet activation and thrombus formation in mice lacking the Ca <sup>2+</sup> -dependent tyrosine kinase Pyk2. <i>Blood</i> , 2013, 121, 648-657.	1.4	38
29	Immobilized amyloid $\beta$ peptides support platelet adhesion and activation. <i>FEBS Letters</i> , 2013, 587, 2606-2611.	2.8	34
30	Effect of GPIIb-IIIa complex ligands on calcium ion movement and cytoskeleton organization in activated platelets. <i>Biochemical and Biophysical Research Communications</i> , 1988, 154, 258-264.	2.1	33
31	5'UTR point substitutions and N-terminal truncating mutations of ANKRD26 in acute myeloid leukemia. <i>Journal of Hematology and Oncology</i> , 2017, 10, 18.	17.0	33
32	The focal adhesion kinase Pyk2 links Ca <sup>2+</sup> signalling to Src family kinase activation and protein tyrosine phosphorylation in thrombin-stimulated platelets. <i>Biochemical Journal</i> , 2015, 469, 199-210.	3.7	31
33	Platelet CD40L Modulates Thrombus Growth Via Phosphatidylinositol 3-Kinase $\beta$ , and Not Via CD40 and $\beta$ Kinase $\alpha$ . <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015, 35, 1374-1381.	2.4	31
34	Epinephrine induces association of pp60src with Gi $\alpha$ in human platelets. <i>Biochemical and Biophysical Research Communications</i> , 1992, 186, 440-447.	2.1	30
35	Phosphorylation of the guanine-nucleotide-exchange factor CalDAG-GEFI by protein kinase A regulates Ca <sup>2+</sup> -dependent activation of platelet Rap1b GTPase. <i>Biochemical Journal</i> , 2013, 453, 115-123.	3.7	30
36	The Small GTPase Rap1b: A Bidirectional Regulator of Platelet Adhesion Receptors. <i>Journal of Signal Transduction</i> , 2012, 2012, 1-9.	2.0	29

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37	Membrane lipid rafts coordinate estrogen-dependent signaling in human platelets. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2007, 1773, 273-278.	4.1	27
38	Amyloid Peptide $\beta$ 1-42 Induces Integrin $\alpha$ IIb $\beta$ 3 Activation, Platelet Adhesion, and Thrombus Formation in a NADPH Oxidase-Dependent Manner. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-12.	4.0	27
39	Activation of phosphatidylinositol 3-kinase $\beta$ by the platelet collagen receptors integrin $\alpha$ 2 $\beta$ 1 and GPIIb/IIIa: The role of Pyk2 and c-Cbl. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2015, 1853, 1879-1888.	4.1	26
40	Amyloid precursor protein is required for in vitro platelet adhesion to amyloid peptides and potentiation of thrombus formation. <i>Cellular Signalling</i> , 2018, 52, 95-102.	3.6	26
41	Focal Adhesion Kinases in Platelet Function and Thrombosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2019, 39, 857-868.	2.4	26
42	Defect of Platelet Aggregation and Adhesion Induced by Autoantibodies Against Platelet Glycoprotein IIIa. <i>Thrombosis and Haemostasis</i> , 1992, 68, 208-213.	3.4	24
43	The low-molecular-weight phosphotyrosine phosphatase is a negative regulator of Fc $\gamma$ RIIA-mediated cell activation. <i>Blood</i> , 2007, 110, 1871-1878.	1.4	23
44	Release of Prometastatic Platelet-Derived Microparticles Induced by Breast Cancer Cells: A Novel Positive Feedback Mechanism for Metastasis. <i>TH Open</i> , 2017, 01, e155-e163.	1.4	23
45	Platelet-derived extracellular vesicles regulate cell cycle progression and cell migration in breast cancer cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2021, 1868, 118886.	4.1	23
46	Agonist-induced Actin Polymerization Is Required for the Irreversibility of Platelet Aggregation. <i>Thrombosis and Haemostasis</i> , 1996, 76, 444-449.	3.4	23
47	Role of Focal Adhesion Tyrosine Kinases in GPIIb/IIIa-Dependent Platelet Activation and Reactive Oxygen Species Formation. <i>PLoS ONE</i> , 2014, 9, e113679.	2.5	23
48	Proline-rich Tyrosine Kinase 2 and Focal Adhesion Kinase Are Involved in Different Phases of Platelet Activation by vWF. <i>Thrombosis and Haemostasis</i> , 2002, 87, 509-517.	3.4	22
49	Targeting of the small GTPase Rap2b, but not Rap1b, to lipid rafts is promoted by palmitoylation at Cys176 and Cys177 and is required for efficient protein activation in human platelets. <i>Cellular Signalling</i> , 2008, 20, 1662-1670.	3.6	22
50	Expression, activation, and subcellular localization of the Rap1 GTPase in cord blood-derived human megakaryocytes. <i>Experimental Cell Research</i> , 2004, 300, 84-93.	2.6	21
51	Thrombin induces platelet activation in the absence of functional protease activated receptors 1 and 4 and glycoprotein Ib-IX-V. <i>Cellular Signalling</i> , 2010, 22, 1681-1687.	3.6	21
52	Thrombopoietin Complements Gi- but Not Gq-dependent Pathways for Integrin $\alpha$ IIb $\beta$ 3 Activation and Platelet Aggregation. <i>Journal of Biological Chemistry</i> , 2005, 280, 24386-24395.	3.4	20
53	The small proteoglycan decorin supports adhesion and activation of human platelets. <i>Blood</i> , 2002, 100, 1707-14.	1.4	19
54	Interaction of the low-molecular-weight GTP-binding protein rap2 with the platelet cytoskeleton is mediated by direct binding to the actin filaments. , 1999, 75, 675-685.		15

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55	Mechanisms for Thrombopoietin-Induced Potentiation of Platelet Aggregation.. Blood, 2004, 104, 3535-3535.	1.4	11
56	Epinephrine induces intracellular Ca <sup>2+</sup> mobilization in thrombin-desensitized platelets: a role for GPIb-IX-V. Platelets, 2007, 18, 135-142.	2.3	10
57	Novel pharmacological inhibitors demonstrate the role of the tyrosine kinase Pyk2 in adhesion and aggregation of human platelets. Thrombosis and Haemostasis, 2016, 116, 904-917.	3.4	10
58	Platelet interaction with CNBr peptides from type II collagen via integrin $\alpha 2 \beta 1$ . Biochimica Et Biophysica Acta - Molecular Cell Research, 2003, 1640, 43-51.	4.1	9
59	PI3K $\beta$ inhibition: all that glitters is not gold. Blood, 2015, 125, 750-751.	1.4	9
60	Stimulation of mTORC2 by integrin $\alpha IIb \beta 3$ is required for PI3K $\beta$ -dependent activation of Akt but is dispensable for platelet spreading on fibrinogen. Platelets, 2020, 31, 521-529.	2.3	9
61	Stimulation of human platelets with concanavalin a involves phospholipase C activation. Cell Biochemistry and Function, 1992, 10, 53-59.	2.9	8
62	Thrombin induces the association of cyclic ADP-ribose-synthesizing CD38 with the platelet cytoskeleton. FEBS Letters, 1998, 428, 200-204.	2.8	8
63	Hydrolysis of NAD <sup>+</sup> by platelet CD38 in the absence of synthesis and degradation of cyclic ADP-ribose 2'-phosphate. FEBS Letters, 1999, 455, 359-363.	2.8	8
64	Fibrillar amyloid peptides promote platelet aggregation through the coordinated action of ITAM and ROS dependent pathways. Journal of Thrombosis and Haemostasis, 2020, 18, 3029-3042.	3.8	8
65	Intracellular calcium mobilization is triggered by clustering of membrane glycoproteins in concanavalin A-stimulated platelets. Cell Biochemistry and Function, 1993, 11, 241-249.	2.9	7
66	The platelet cytoskeleton regulates the aggregation-dependent synthesis of phosphatidylinositol 3,4-bisphosphate induced by thrombin. FEBS Letters, 2000, 466, 355-358.	2.8	7
67	Platelets in Neurological Disorders. , 2017, , 513-530.		7
68	Proline-rich tyrosine kinase Pyk2 regulates deep vein thrombosis. Haematologica, 2022, 107, 1374-1383.	3.5	7
69	Dual mechanism of protein-tyrosine phosphorylation in concanavalin A-stimulated platelets. Journal of Cellular Biochemistry, 1995, 57, 30-38.	2.6	6
70	Epinephrine-mediated protein kinase C and Rap1b activation requires the co-stimulation of G $\alpha$ z-, G $\alpha$ q-, and G $\alpha$ i-coupled receptors. Thrombosis and Haemostasis, 2011, 105, 479-486.	3.4	6
71	The proline-rich tyrosine kinase Pyk2 modulates integrin-mediated neutrophil adhesion and reactive oxygen species generation. Biochimica Et Biophysica Acta - Molecular Cell Research, 2020, 1867, 118799.	4.1	6
72	Cytoskeleton-dependent inhibition of the ADP-ribosyl cyclase activity of CD38 in thrombin-stimulated platelets. FEBS Letters, 1998, 431, 19-22.	2.8	4

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73	Roles of phospholipase C and phospholipase D in receptor-mediated platelet activation. , 2002, , 238-259.		1
74	Possible Role of Rap1B in the Cross-Talk between Integrins $\alpha_2\beta_1$ and $\alpha_{IIb}\beta_3$ .. Blood, 2004, 104, 1548-1548.	1.4	0
75	A New Role for Fc $\gamma$ RIIA in the Potentiation of Human Platelet Activation Induced by Weak Stimulation.. Blood, 2005, 106, 1648-1648.	1.4	0
76	Regulation of Protein Kinase C by the Platelet P2Y <sub>12</sub> ADP Receptor.. Blood, 2005, 106, 1647-1647.	1.4	0
77	The Endocannabinoid 2-Arachidonoylglycerol Regulates Platelet Function.. Blood, 2006, 108, 3904-3904.	1.4	0
78	Tyrosine Phosphorylation-Independent Activation of PLC $\beta$ 2 Downstream Integrin $\alpha_2\beta_1$ in Platelets: A Possible Role for the Small GTPase Rac.. Blood, 2006, 108, 1532-1532.	1.4	0
79	Genetic Evidence for a Predominant Role of PI3K $\gamma$ In ITAM $\alpha$ and Integrin-Mediated Signaling in Platelets. Blood, 2008, 112, 410-410.	1.4	0
80	Heterozygous Ala156Val Mutation in the GPIb Alpha (Heterozygous Bernard-Soulier Syndrome Type) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 1233-1233.	1.4	0
81	Pull-Down Assay for Analysis of Integrin-Mediated Activation of Rap Proteins in Adherent Platelets. Methods in Molecular Biology, 2014, 1120, 167-176.	0.9	0