Madhumita Chatterjee

List of Publications by Year
in descending order

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60 papers	1,716 citations	257357 24 h-index	302012 39 g-index
61 all docs	61 docs citations	61 times ranked	2505 citing authors

#	Article	IF	Citations
1	Distinct platelet packaging, release, and surface expression of proangiogenic and antiangiogenic factors on different platelet stimuli. Blood, 2011, 117, 3907-3911.	0.6	172
2	Blood Platelets in the Progression of Alzheimerâ€™s Disease. PLoS ONE, 2014, 9, e90523.	1.1	111
3	Macrophage Migration Inhibitory Factor Limits Activation-Induced Apoptosis of Platelets via CXCR7-Dependent Akt Signaling. Circulation Research, 2014, 115, 939-949.	2.0	101
4	Regulation of oxidized platelet lipidome: implications for coronary artery disease. European Heart Journal, 2017, 38, 1993-2005.	1.0	92
5	Extracellular Cyclophilin A Activates Platelets Via EMMPRIN (CD147) and PI3K/Akt Signaling, Which Promotes Platelet Adhesion and Thrombus Formation In Vitro and In Vivo. Arteriosclerosis, Thrombosis, and Vascular Biology, 2015, 35, 655-663.	1.1	79
6	Expression of stromal cell-derived factor-1 receptors CXCR4 and CXCR7 on circulating platelets of patients with acute coronary syndrome and association with left ventricular functional recovery. European Heart Journal, 2014, 35, 386-394.	1.0	69
7	Platelets, inflammation and anti-inflammatory effects of antiplatelet drugs in ACS and CAD. Thrombosis and Haemostasis, 2015, 114, 498-518.	1.8	60
8	Gremlin-1 Is an Inhibitor of Macrophage Migration Inhibitory Factor and Attenuates Atherosclerotic Plaque Growth in ApoEâ^'/â^' Mice. Journal of Biological Chemistry, 2013, 288, 31635-31645.	1.6	57
9	Acid Sphingomyelinase Regulates Platelet Cell Membrane Scrambling, Secretion, and Thrombus Formation. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, 61-71.	1.1	56
10	SDFâ€•1Î± induces differential trafficking of CXCR4â€CXCR7 involving cyclophilin A, CXCR7 ubiquitination and promotes platelet survival. FASEB Journal, 2014, 28, 2864-2878.	0.2	55
11	Activated Platelets Interfere with Recruitment of Mesenchymal Stem Cells to Apoptotic Cardiac Cells via High Mobility Group Box 1/Toll-like Receptor 4-mediated Down-regulation of Hepatocyte Growth Factor Receptor MET. Journal of Biological Chemistry, 2014, 289, 11068-11082.	1.6	40
12	CK2Î² regulates thrombopoiesis and Ca2+-triggered platelet activation in arterial thrombosis. Blood, 2017, 130, 2774-2785.	0.6	40
13	Role of chemokine receptors CXCR4 and CXCR7 for platelet function. Biochemical Society Transactions, 2015, 43, 720-726.	1.6	39
14	Inflammatory Contribution of Platelets Revisited: New Players in the Arena of Inflammation. Seminars in Thrombosis and Hemostasis, 2016, 42, 205-214.	1.5	38
15	The Novel Extracellular Cyclophilin A (CyPA) - Inhibitor MM284 Reduces Myocardial Inflammation and Remodeling in a Mouse Model of Troponin I -Induced Myocarditis. PLoS ONE, 2015, 10, e0124606.	1.1	37
16	Platelets enhance lymphocyte adhesion and infiltration into arterial thrombus. Thrombosis and Haemostasis, 2010, 104, 1184-1192.	1.8	35
17	Comprehensive MS/MS profiling by UHPLC-ESI-QTOF-MS/MS using SWATH data-independent acquisition for the study of platelet lipidomes in coronary artery disease. Analytica Chimica Acta, 2019, 1046, 1-15.	2.6	35
18	Gremlin-1 inhibits macrophage migration inhibitory factor-dependent monocyte function and survival. International Journal of Cardiology, 2014, 176, 923-929.	0.8	30

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19	Ascorbate sustains neutrophil NOS expression, catalysis, and oxidative burst. Free Radical Biology and Medicine, 2008, 45, 1084-1093.	1.3	29
20	Molecular and biochemical characterization of nitric oxide synthase isoforms and their intracellular distribution in human peripheral blood mononuclear cells. Biochimica Et Biophysica Acta - Molecular Cell Research, 2011, 1813, 1700-1707.	1.9	29
21	Clinical significance of receptor shedding-platelet GPVI as an emerging diagnostic and therapeutic tool. Platelets, 2017, 28, 362-371.	1.1	28
22	Impact of counterbalance between macrophage migration inhibitory factor and its inhibitor Gremlin-1 in patients with coronary artery disease. Atherosclerosis, 2014, 237, 426-432.	0.4	27
23	Enantioselective ultra-high performance liquid chromatography-tandem mass spectrometry method based on sub-2Âµm particle polysaccharide column for chiral separation of oxylipins and its application for the analysis of autoxidized fatty acids and platelet releasates. Journal of Chromatography A, 2020, 1624, 461206.	1.8	26
24	High-frequency ultrasound-guided disruption of glycoprotein VI-targeted microbubbles targets atheroprogressison in mice. Biomaterials, 2015, 36, 80-89.	5.7	25
25	Platelet expression of transforming growth factor beta 1 is enhanced and associated with cardiovascular prognosis in patients with acute coronary syndrome. Atherosclerosis, 2014, 237, 754-759.	0.4	21
26	Molecular Drivers of Platelet Activation: Unraveling Novel Targets for Anti-Thrombotic and Anti-Thrombo-Inflammatory Therapy. International Journal of Molecular Sciences, 2020, 21, 7906.	1.8	20
27	Platelet lipidome: Dismantling the â€œTrojan horseâ€•in the bloodstream. Journal of Thrombosis and Haemostasis, 2020, 18, 543-557.	1.9	19
28	Augmented nitric oxide generation in neutrophils: Oxidative and pro-inflammatory implications in hypertension. Free Radical Research, 2009, 43, 1195-1204.	1.5	18
29	Relative survival potential of platelets is associated with platelet CXCR4/CXCR7 surface exposure and functional recovery following STEMI. Atherosclerosis, 2018, 278, 269-277.	0.4	17
30	Acute coronary syndrome is associated with a substantial change in the platelet lipidome. Cardiovascular Research, 2022, 118, 1904-1916.	1.8	17
31	Platelet ACKR3/CXCR7 favors antiplatelet lipids over anÂatherothrombotic lipidome and regulates thromboinflammation. Blood, 2022, 139, 1722-1742.	0.6	17
32	Experimentallu Induced Psoriatic Lesions Associate with Rapid but Transient Decrease in Interleukin-33 Immunostaining in Epidermis. Acta Dermato-Venereologica, 2015, 95, 536-541.	0.6	16
33	Extracellular Cyclophilin A Augments Platelet-Dependent Thrombosis and Thromboinflammation. Thrombosis and Haemostasis, 2017, 117, 2063-2078.	1.8	16
34	Comparative Platelet Releasate Proteomic Profiling of Acute Coronary Syndrome versus Stable Coronary Artery Disease. Frontiers in Cardiovascular Medicine, 2020, 7, 101.	1.1	16
35	Endomyocardial expression of SDF-1 predicts mortality in patients with suspected myocarditis. Clinical Research in Cardiology, 2015, 104, 1033-1043.	1.5	15
36	CD44 sensitivity of platelet activation, membrane scrambling and adhesion under high arterial shear rates. Thrombosis and Haemostasis, 2016, 115, 99-108.	1.8	15

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37	Platelets as a Novel Source of Pro-Inflammatory Chemokine CXCL14. Cellular Physiology and Biochemistry, 2017, 41, 1684-1696.	1.1	15
38	Simultaneous targeted and untargeted UHPLC-ESI-MS/MS method with data-independent acquisition for quantification and profiling of (oxidized) fatty acids released upon platelet activation by thrombin. Analytica Chimica Acta, 2020, 1094, 57-69.	2.6	15
39	Platelets as a novel source of Gremlin-1: Implications for thromboinflammation. Thrombosis and Haemostasis, 2017, 117, 311-324.	1.8	14
40	Micro-UHPLC-MS/MS method for analysis of oxylipins in plasma and platelets. Journal of Pharmaceutical and Biomedical Analysis, 2020, 189, 113426.	1.4	14
41	Impact of Amyloid-Î² on Platelet Mitochondrial Function and Plateletâ€“Mediated Amyloid Aggregation in Alzheimerâ€™s Disease. International Journal of Molecular Sciences, 2021, 22, 9633.	1.8	14
42	Platelet surface expression of SDF-1 is associated with clinical outcomes in the patients with cardiovascular disease. Platelets, 2017, 28, 34-39.	1.1	13
43	Untargeted UHPLC-ESI-QTOF-MS/MS analysis with targeted feature extraction at precursor and fragment level for profiling of the platelet lipidome with ex vivo thrombin-activation. Journal of Pharmaceutical and Biomedical Analysis, 2021, 205, 114301.	1.4	13
44	ACKR3 regulates platelet activation and ischemia-reperfusion tissue injury. Nature Communications, 2022, 13, 1823.	5.8	13
45	Evidence of an interaction between TGF-Î²1 and the SDF-1/CXCR4/CXCR7 axis in human platelets. Thrombosis Research, 2016, 144, 79-84.	0.8	12
46	Sphingosine kinase 1 (Sphk1) negatively regulates platelet activation and thrombus formation. American Journal of Physiology - Cell Physiology, 2014, 307, C920-C927.	2.1	10
47	Targeted Profiling of Short-, Medium-, and Long-Chain Fatty Acyl-Coenzyme As in Biological Samples by Phosphate Methylation Coupled to Liquid Chromatographyâ€“Tandem Mass Spectrometry. Analytical Chemistry, 2021, 93, 4342-4350.	3.2	10
48	Platelets: Underestimated Regulators of Autoinflammation in Psoriasis. Journal of Investigative Dermatology, 2021, 141, 1395-1403.	0.3	10
49	Influence of Î³-Secretase Inhibitor 24-Diamino-5-Phenylthiazole DAPT on Platelet Activation. Cellular Physiology and Biochemistry, 2016, 38, 726-736.	1.1	7
50	Homophilic Interaction Between Transmembrane-JAM-A and Soluble JAM-A Regulates Thrombo-Inflammation. JACC Basic To Translational Science, 2022, 7, 445-461.	1.9	6
51	Targeted analysis of sugar phosphates from glycolysis pathway by phosphate methylation with liquid chromatography coupled to tandem mass spectrometry. Analytica Chimica Acta, 2022, 1221, 340099.	2.6	6
52	Elevated mitochondrial membrane potential of circulating monocyteâ€“platelet aggregates in patients with coronary heart disease. International Journal of Cardiology, 2015, 181, 135-137.	0.8	5
53	Effect of Oxidized LDL on Platelet Shape, Spreading, and Migration Investigated with Deep Learning Platelet Morphometry. Cells, 2021, 10, 2932.	1.8	5
54	Platelets in Atherosclerosis. , 2017, , 993-1013.		4

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55	Isomer-selective analysis of inositol phosphates with differential isotope labelling by phosphate methylation using liquid chromatography with tandem mass spectrometry. Analytica Chimica Acta, 2022, 1191, 339286.	2.6	4
56	Atypical Roles of the Chemokine Receptor ACKR3/CXCR7 in Platelet Pathophysiology. Cells, 2022, 11, 213.	1.8	4
57	GPIIb/IIIa-GPVIâ€“commanded platelet patrol. Blood, 2022, 140, 81-83.	0.6	4
58	Molecular, biochemical characterization and localization of neuronal nitric oxide synthase in human neutrophil. FASEB Journal, 2010, 24, 984.17.	0.2	1
59	Platelet Chemokines in New Modes of Action. Cardiac and Vascular Biology, 2017, , 153-180.	0.2	0
60	Lipidgehalt in Thrombozyten: Eine tickende Zeitbombe. Deutsches Ärzteblatt International, 0, , .	0.6	0