

Madhumita Chatterjee

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

55
papers

1,170
citations

21
h-index

33
g-index

61
ext. papers

1,492
ext. citations

5.6
avg, IF

4.34
L-index

#	Paper	IF	Citations
55	Distinct platelet packaging, release, and surface expression of proangiogenic and antiangiogenic factors on different platelet stimuli. <i>Blood</i> , 2011 , 117, 3907-11	2.2	143
54	Blood platelets in the progression of Alzheimer's disease. <i>PLoS ONE</i> , 2014 , 9, e90523	3.7	84
53	Macrophage migration inhibitory factor limits activation-induced apoptosis of platelets via CXCR7-dependent Akt signaling. <i>Circulation Research</i> , 2014 , 115, 939-49	15.7	69
52	Extracellular cyclophilin A activates platelets via EMMPRIN (CD147) and PI3K/Akt signaling, which promotes platelet adhesion and thrombus formation in vitro and in vivo. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015 , 35, 655-63	9.4	60
51	Regulation of oxidized platelet lipidome: implications for coronary artery disease. <i>European Heart Journal</i> , 2017 , 38, 1993-2005	9.5	58
50	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. <i>European Heart Journal</i> , 2014 , 35, 386-94	9.5	50
49	SDF-1 α induces differential trafficking of CXCR4-CXCR7 involving cyclophilin A, CXCR7 ubiquitination and promotes platelet survival. <i>FASEB Journal</i> , 2014 , 28, 2864-78	0.9	47
48	Platelets, inflammation and anti-inflammatory effects of antiplatelet drugs in ACS and CAD. <i>Thrombosis and Haemostasis</i> , 2015 , 114, 498-518	7	47
47	Gremlin-1 is an inhibitor of macrophage migration inhibitory factor and attenuates atherosclerotic plaque growth in ApoE ^{-/-} Mice. <i>Journal of Biological Chemistry</i> , 2013 , 288, 31635-45	5.4	43
46	Acid sphingomyelinase regulates platelet cell membrane scrambling, secretion, and thrombus formation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014 , 34, 61-71	9.4	41
45	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. <i>Journal of Biological Chemistry</i> , 2014 , 289, 11068-11082	5.4	33
44	Platelets enhance lymphocyte adhesion and infiltration into arterial thrombus. <i>Thrombosis and Haemostasis</i> , 2010 , 104, 1184-92	7	30
43	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. <i>Analytica Chimica Acta</i> , 2019 , 1046, 1-15	6.6	30
42	The Novel Extracellular Cyclophilin A (CyPA) - Inhibitor MM284 Reduces Myocardial Inflammation and Remodeling in a Mouse Model of Troponin I -Induced Myocarditis. <i>PLoS ONE</i> , 2015 , 10, e0124606	3.7	29
41	Molecular and biochemical characterization of nitric oxide synthase isoforms and their intracellular distribution in human peripheral blood mononuclear cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2011 , 1813, 1700-7	4.9	26
40	CK2 β regulates thrombopoiesis and Ca-triggered platelet activation in arterial thrombosis. <i>Blood</i> , 2017 , 130, 2774-2785	2.2	25
39	Role of chemokine receptors CXCR4 and CXCR7 for platelet function. <i>Biochemical Society Transactions</i> , 2015 , 43, 720-6	5.1	25

38	Ascorbate sustains neutrophil NOS expression, catalysis, and oxidative burst. <i>Free Radical Biology and Medicine</i> , 2008 , 45, 1084-93	7.8	25
37	Gremlin-1 inhibits macrophage migration inhibitory factor-dependent monocyte function and survival. <i>International Journal of Cardiology</i> , 2014 , 176, 923-9	3.2	24
36	Inflammatory Contribution of Platelets Revisited: New Players in the Arena of Inflammation. <i>Seminars in Thrombosis and Hemostasis</i> , 2016 , 42, 205-14	5.3	23
35	Impact of counterbalance between macrophage migration inhibitory factor and its inhibitor Gremlin-1 in patients with coronary artery disease. <i>Atherosclerosis</i> , 2014 , 237, 426-32	3.1	22
34	High-frequency ultrasound-guided disruption of glycoprotein VI-targeted microbubbles targets atheroprogession in mice. <i>Biomaterials</i> , 2015 , 36, 80-9	15.6	21
33	Clinical significance of receptor shedding-platelet GPVI as an emerging diagnostic and therapeutic tool. <i>Platelets</i> , 2017 , 28, 362-371	3.6	20
32	Augmented nitric oxide generation in neutrophils: oxidative and pro-inflammatory implications in hypertension. <i>Free Radical Research</i> , 2009 , 43, 1195-204	4	15
31	Endomyocardial expression of SDF-1 predicts mortality in patients with suspected myocarditis. <i>Clinical Research in Cardiology</i> , 2015 , 104, 1033-43	6.1	13
30	Enantioselective ultra-high performance liquid chromatography-tandem mass spectrometry method based on sub-2µm particle polysaccharide column for chiral separation of oxylipins and its application for the analysis of autoxidized fatty acids and platelet releasates. <i>Journal of Chromatography A</i> , 2020 , 1624, 461206	4.5	13
29	Platelet expression of transforming growth factor beta 1 is enhanced and associated with cardiovascular prognosis in patients with acute coronary syndrome. <i>Atherosclerosis</i> , 2014 , 237, 754-9	3.1	13
28	Platelets as a Novel Source of Pro-Inflammatory Chemokine CXCL14. <i>Cellular Physiology and Biochemistry</i> , 2017 , 41, 1684-1696	3.9	11
27	Experimentally induced psoriatic lesions associate with rapid but transient decrease in interleukin-33 immunostaining in epidermis. <i>Acta Dermato-Venereologica</i> , 2015 , 95, 536-41	2.2	11
26	Evidence of an interaction between TGF-β and the SDF-1/CXCR4/CXCR7 axis in human platelets. <i>Thrombosis Research</i> , 2016 , 144, 79-84	8.2	11
25	Extracellular Cyclophilin A Augments Platelet-Dependent Thrombosis and Thromboinflammation. <i>Thrombosis and Haemostasis</i> , 2017 , 117, 2063-2078	7	9
24	Sphingosine kinase 1 (Sphk1) negatively regulates platelet activation and thrombus formation. <i>American Journal of Physiology - Cell Physiology</i> , 2014 , 307, C920-7	5.4	9
23	Platelet lipidome: Dismantling the "Trojan horse" in the bloodstream. <i>Journal of Thrombosis and Haemostasis</i> , 2020 , 18, 543-557	15.4	9
22	Relative survival potential of platelets is associated with platelet CXCR4/CXCR7 surface exposure and functional recovery following STEMI. <i>Atherosclerosis</i> , 2018 , 278, 269-277	3.1	9
21	Platelet surface expression of SDF-1 is associated with clinical outcomes in the patients with cardiovascular disease. <i>Platelets</i> , 2017 , 28, 34-39	3.6	8

20	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. <i>Analytica Chimica Acta</i> , 2020 , 1094, 57-69	6.6	8
19	Influence of β -Secretase Inhibitor 24-Diamino-5-Phenylthiazole DAPT on Platelet Activation. <i>Cellular Physiology and Biochemistry</i> , 2016 , 38, 726-36	3.9	7
18	Platelets as a novel source of Gremlin-1: Implications for thromboinflammation. <i>Thrombosis and Haemostasis</i> , 2017 , 117, 311-324	7	7
17	CD44 sensitivity of platelet activation, membrane scrambling and adhesion under high arterial shear rates. <i>Thrombosis and Haemostasis</i> , 2016 , 115, 99-108	7	7
16	Micro-UHPLC-MS/MS method for analysis of oxylipins in plasma and platelets. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020 , 189, 113426	3.5	6
15	Elevated mitochondrial membrane potential of circulating monocyte-platelet aggregates in patients with coronary heart disease. <i>International Journal of Cardiology</i> , 2015 , 181, 135-7	3.2	4
14	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. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021 , 205, 114301	3.5	4
13	Platelets in Atherosclerosis 2017 , 993-1013		3
12	Comparative Platelet Releasate Proteomic Profiling of Acute Coronary Syndrome versus Stable Coronary Artery Disease. <i>Frontiers in Cardiovascular Medicine</i> , 2020 , 7, 101	5.4	3
11	Targeted Profiling of Short-, Medium-, and Long-Chain Fatty Acyl-Coenzyme As in Biological Samples by Phosphate Methylation Coupled to Liquid Chromatography-Tandem Mass Spectrometry. <i>Analytical Chemistry</i> , 2021 , 93, 4342-4350	7.8	3
10	Effect of Oxidized LDL on Platelet Shape, Spreading, and Migration Investigated with Deep Learning Platelet Morphometry. <i>Cells</i> , 2021 , 10,	7.9	2
9	Molecular Drivers of Platelet Activation: Unraveling Novel Targets for Anti-Thrombotic and Anti-Thrombo-Inflammatory Therapy. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	2
8	Acute coronary syndrome is associated with a substantial change in the platelet lipidome. <i>Cardiovascular Research</i> , 2021 ,	9.9	2
7	Impact of Amyloid- β on Platelet Mitochondrial Function and Platelet-Mediated Amyloid Aggregation in Alzheimer's Disease. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	2
6	Molecular, biochemical characterization and localization of neuronal nitric oxide synthase in human neutrophil. <i>FASEB Journal</i> , 2010 , 24, 984.17	0.9	1
5	Platelets: Underestimated Regulators of Autoinflammation in Psoriasis. <i>Journal of Investigative Dermatology</i> , 2021 , 141, 1395-1403	4.3	1
4	Isomer-selective analysis of inositol phosphates with differential isotope labelling by phosphate methylation using liquid chromatography with tandem mass spectrometry.. <i>Analytica Chimica Acta</i> , 2022 , 1191, 339286	6.6	0
3	ACKR3 regulates platelet activation and ischemia-reperfusion tissue injury.. <i>Nature Communications</i> , 2022 , 13, 1823	17.4	0

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| 2 | Homophilic Interaction Between Transmembrane-JAM-A and Soluble JAM-A Regulates Thrombo-Inflammation. <i>JACC Basic To Translational Science</i> , 2022 , 7, 445-461 | 8.7 | o |
| 1 | Platelet Chemokines in New Modes of Action. <i>Cardiac and Vascular Biology</i> , 2017 , 153-180 | 0.2 | |