

Klaus T Preissner

List of Publications by Year in descending order

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167
papers

16,319
citations

19657

61
h-index

16183

124
g-index

171
all docs

171
docs citations

171
times ranked

17525
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Monocytes, neutrophils, and platelets cooperate to initiate and propagate venous thrombosis in mice in vivo. <i>Journal of Experimental Medicine</i> , 2012, 209, 819-835. | 8.5 | 1,441 |
| 2 | Neutrophil Extracellular Traps Directly Induce Epithelial and Endothelial Cell Death: A Predominant Role of Histones. <i>PLoS ONE</i> , 2012, 7, e32366. | 2.5 | 1,035 |
| 3 | Reciprocal coupling of coagulation and innate immunity via neutrophil serine proteases. <i>Nature Medicine</i> , 2010, 16, 887-896. | 30.7 | 995 |
| 4 | Angiopoietin-2 sensitizes endothelial cells to TNF- α and has a crucial role in the induction of inflammation. <i>Nature Medicine</i> , 2006, 12, 235-239. | 30.7 | 819 |
| 5 | Cell Surface Tetraspanin Tspan8 Contributes to Molecular Pathways of Exosome-Induced Endothelial Cell Activation. <i>Cancer Research</i> , 2010, 70, 1668-1678. | 0.9 | 582 |
| 6 | The Pattern Recognition Receptor (RAGE) Is a Counterreceptor for Leukocyte Integrins. <i>Journal of Experimental Medicine</i> , 2003, 198, 1507-1515. | 8.5 | 542 |
| 7 | Extracellular RNA constitutes a natural procoagulant cofactor in blood coagulation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 6388-6393. | 7.1 | 482 |
| 8 | Structure and Biological Role of Vitronectin. <i>Annual Review of Cell Biology</i> , 1991, 7, 275-310. | 26.1 | 461 |
| 9 | The Junctional Adhesion Molecule 3 (JAM-3) on Human Platelets is a Counterreceptor for the Leukocyte Integrin Mac-1. <i>Journal of Experimental Medicine</i> , 2002, 196, 679-691. | 8.5 | 392 |
| 10 | Coronary Neutrophil Extracellular Trap Burden and Deoxyribonuclease Activity in ST-Elevation Acute Coronary Syndrome Are Predictors of ST-Segment Resolution and Infarct Size. <i>Circulation Research</i> , 2015, 116, 1182-1192. | 4.5 | 373 |
| 11 | Subcutaneous injection of a cyclic peptide antagonist of vitronectin receptor α 5 β 1 type integrins inhibits retinal neovascularization. <i>Nature Medicine</i> , 1996, 2, 529-533. | 30.7 | 326 |
| 12 | Characterization of Human Chorionic Gonadotropin as a Novel Angiogenic Factor. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2002, 87, 5290-5296. | 3.6 | 302 |
| 13 | Urokinase Receptor (CD87) Regulates Leukocyte Recruitment via β 2 Integrins In Vivo. <i>Journal of Experimental Medicine</i> , 1998, 188, 1029-1037. | 8.5 | 270 |
| 14 | The Urokinase Receptor Is a Major Vitronectin-Binding Protein on Endothelial Cells. <i>Experimental Cell Research</i> , 1996, 224, 344-353. | 2.6 | 241 |
| 15 | <i>Staphylococcus aureus</i> extracellular adherence protein serves as anti-inflammatory factor by inhibiting the recruitment of host leukocytes. <i>Nature Medicine</i> , 2002, 8, 687-693. | 30.7 | 230 |
| 16 | Role of Vitronectin and Its Receptors in Haemostasis and Vascular Remodeling. <i>Thrombosis Research</i> , 1998, 89, 1-21. | 1.7 | 229 |
| 17 | Plasminogen Activator Inhibitor-1 Represses Integrin- and Vitronectin-Mediated Cell Migration Independently of Its Function as an Inhibitor of Plasminogen Activation. <i>Experimental Cell Research</i> , 1997, 232, 420-429. | 2.6 | 221 |
| 18 | The Neutrophil-specific Antigen CD177 Is a Counter-receptor for Platelet Endothelial Cell Adhesion Molecule-1 (CD31). <i>Journal of Biological Chemistry</i> , 2007, 282, 23603-23612. | 3.4 | 205 |

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|----|---|-----|-----------|
| 19 | Disruption of Platelet-derived Chemokine Heteromers Prevents Neutrophil Extravasation in Acute Lung Injury. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2012, 185, 628-636. | 5.6 | 202 |
| 20 | Urokinase receptor: a molecular organizer in cellular communication. <i>Current Opinion in Cell Biology</i> , 2000, 12, 621-628. | 5.4 | 200 |
| 21 | Potential Role for ADAM15 in Pathological Neovascularization in Mice. <i>Molecular and Cellular Biology</i> , 2003, 23, 5614-5624. | 2.3 | 170 |
| 22 | The Junctional Adhesion Molecule-C Promotes Neutrophil Transendothelial Migration in Vitro and in Vivo. <i>Journal of Biological Chemistry</i> , 2004, 279, 55602-55608. | 3.4 | 160 |
| 23 | Host-Derived Extracellular Nucleic Acids Enhance Innate Immune Responses, Induce Coagulation, and Prolong Survival upon Infection in Insects. <i>Journal of Immunology</i> , 2008, 181, 2705-2712. | 0.8 | 135 |
| 24 | The intact urokinase receptor is required for efficient vitronectin binding: receptor cleavage prevents ligand interaction. <i>FEBS Letters</i> , 1997, 420, 79-85. | 2.8 | 131 |
| 25 | The Binding Protein for Globular Heads of Complement C1q, gC1qR. <i>Journal of Biological Chemistry</i> , 1996, 271, 26739-26744. | 3.4 | 130 |
| 26 | Human Thy-1 (CD90) on Activated Endothelial Cells Is a Counterreceptor for the Leukocyte Integrin Mac-1 (CD11b/CD18). <i>Journal of Immunology</i> , 2004, 172, 3850-3859. | 0.8 | 130 |
| 27 | Regulation of neovascularization by human neutrophil peptides (α -defensins): a link between inflammation and angiogenesis. <i>FASEB Journal</i> , 2004, 18, 1306-1308. | 0.5 | 125 |
| 28 | Integrin-linked kinase is required for vitronectin-mediated internalization of <i>Streptococcus pneumoniae</i> by host cells. <i>Journal of Cell Science</i> , 2009, 122, 256-267. | 2.0 | 124 |
| 29 | Loss of RAGE in Pulmonary Fibrosis. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2008, 39, 337-345. | 2.9 | 122 |
| 30 | Suppression of Neutrophil-Mediated Tissue Damage—A Novel Skill of Mesenchymal Stem Cells. <i>Stem Cells</i> , 2016, 34, 2393-2406. | 3.2 | 121 |
| 31 | Vitronectin in Vascular Context: Facets of a Multitalented Matricellular Protein. <i>Seminars in Thrombosis and Hemostasis</i> , 2011, 37, 408-424. | 2.7 | 119 |
| 32 | The heparin binding domain of S-protein/vitronectin binds to complement components C7, C8, and C9 and perforin from cytolytic T-cells and inhibits their lytic activities. <i>Biochemistry</i> , 1988, 27, 4103-4109. | 2.5 | 113 |
| 33 | Lipoprotein(a) in atherosclerotic plaques recruits inflammatory cells through interaction with Mac-1 integrin. <i>FASEB Journal</i> , 2006, 20, 559-561. | 0.5 | 111 |
| 34 | Extracellular RNA mediates endothelial-cell permeability via vascular endothelial growth factor. <i>Blood</i> , 2007, 110, 2457-2465. | 1.4 | 109 |
| 35 | The functional role of blood platelet components in angiogenesis. <i>Thrombosis and Haemostasis</i> , 2004, 92, 394-402. | 3.4 | 108 |
| 36 | Circulating blood cells and extracellular vesicles in acute cardioprotection. <i>Cardiovascular Research</i> , 2019, 115, 1156-1166. | 3.8 | 106 |

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|----|---|-----|-----------|
| 37 | Vitronectin Concentrates Proteolytic Activity on the Cell Surface and Extracellular Matrix by Trapping Soluble Urokinase Receptor-Urokinase Complexes. <i>Blood</i> , 1998, 91, 2305-2312. | 1.4 | 105 |
| 38 | Functional interaction of plasminogen activator inhibitor type 1 (PAI-1) and heparin. <i>Biochemistry</i> , 1991, 30, 1021-1028. | 2.5 | 103 |
| 39 | Innate immunity as a target for acute cardioprotection. <i>Cardiovascular Research</i> , 2019, 115, 1131-1142. | 3.8 | 101 |
| 40 | Different mechanisms define the antiadhesive function of high molecular weight kininogen in integrin- and urokinase receptor-dependent interactions. <i>Blood</i> , 2000, 96, 514-522. | 1.4 | 100 |
| 41 | Extracellular RNA is a natural cofactor for the (auto-)activation of Factor VII-activating protease (FSAP). <i>Biochemical Journal</i> , 2005, 385, 831-838. | 3.7 | 99 |
| 42 | Defective Angiogenesis Delays Thrombus Resolution. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014, 34, 810-819. | 2.4 | 95 |
| 43 | The extracellular adherence protein (Eap) of <i>Staphylococcus aureus</i> inhibits wound healing by interfering with host defense and repair mechanisms. <i>Blood</i> , 2006, 107, 2720-2727. | 1.4 | 87 |
| 44 | Molecular Mechanisms of Zinc-Dependent Leukocyte Adhesion Involving the Urokinase Receptor and β 2-Integrins. <i>Blood</i> , 1999, 93, 2976-2983. | 1.4 | 86 |
| 45 | The role of junctional adhesion molecule (JAM) in oxidized LDL-mediated leukocyte recruitment. <i>FASEB Journal</i> , 2005, 19, 2078-2080. | 0.5 | 85 |
| 46 | Differential modulation of cell adhesion by interaction between adhesive and counter-adhesive proteins: characterization of the binding of vitronectin to osteonectin (BM40, SPARC). <i>Biochemical Journal</i> , 1997, 324, 311-319. | 3.7 | 83 |
| 47 | Current view on alveolar coagulation and fibrinolysis in acute inflammatory and chronic interstitial lung diseases. <i>Thrombosis and Haemostasis</i> , 2008, 99, 494-501. | 3.4 | 83 |
| 48 | RNase1 prevents the damaging interplay between extracellular RNA and tumour necrosis factor- α in cardiac ischaemia/reperfusion injury. <i>Thrombosis and Haemostasis</i> , 2014, 112, 1110-1119. | 3.4 | 79 |
| 49 | The role of vitronectin as multifunctional regulator in the hemostatic and immune systems. <i>Blut</i> , 1989, 59, 419-431. | 1.2 | 78 |
| 50 | The anti-inflammatory activities of <i>Staphylococcus aureus</i> . <i>Trends in Immunology</i> , 2007, 28, 408-418. | 6.8 | 77 |
| 51 | The dimeric platelet collagen receptor GPVI-Fc reduces platelet adhesion to activated endothelium and preserves myocardial function after transient ischemia in mice. <i>American Journal of Physiology - Cell Physiology</i> , 2012, 303, C757-C766. | 4.6 | 77 |
| 52 | Induction of Vascular SMC Proliferation by Urokinase Indicates a Novel Mechanism of Action in Vasoproliferative Disorders. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1997, 17, 2848-2854. | 2.4 | 76 |
| 53 | Angiostatin is a novel anti-inflammatory factor by inhibiting leukocyte recruitment. <i>Blood</i> , 2005, 105, 1036-1043. | 1.4 | 74 |
| 54 | Role of Extracellular RNA in Atherosclerotic Plaque Formation in Mice. <i>Circulation</i> , 2014, 129, 598-606. | 1.6 | 73 |

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|----|--|------|-----------|
| 55 | Fibronectin, laminin, vitronectin and their receptors at newly-formed capillaries in proliferative diabetic retinopathy. <i>Experimental Eye Research</i> , 1995, 60, 5-17. | 2.6 | 71 |
| 56 | Neutrophil extracellular traps promote fibrous vascular occlusions in chronic thrombosis. <i>Blood</i> , 2021, 137, 1104-1116. | 1.4 | 71 |
| 57 | Expression of transcription factor Oct-4 and other embryonic genes in CD133 positive cells from human umbilical cord blood. <i>Thrombosis and Haemostasis</i> , 2004, 92, 767-775. | 3.4 | 70 |
| 58 | Inhibition of pathologic retinal neovascularization by α -defensins. <i>Blood</i> , 2005, 106, 3831-3838. | 1.4 | 70 |
| 59 | Possible Angiogenic Roles of Insulin-Like Growth Factor II and Its Receptors in Uterine Vascular Adaptation to Pregnancy. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2003, 88, 4811-4817. | 3.6 | 65 |
| 60 | Fighting against the dark side of neutrophil extracellular traps in disease. <i>Current Opinion in Hematology</i> , 2013, 20, 3-9. | 2.5 | 65 |
| 61 | Factor VII and single-chain plasminogen activator-activating protease. <i>FEBS Journal</i> , 2001, 268, 3789-3796. | 0.2 | 63 |
| 62 | Urokinase receptor surface expression regulates monocyte adhesion in acute myocardial infarction. <i>Blood</i> , 2002, 100, 3611-3617. | 1.4 | 63 |
| 63 | VLA-4 (α 4 β 1) engagement defines a novel activation pathway for β 2 integrin α dependent leukocyte adhesion involving the urokinase receptor. <i>Blood</i> , 2000, 96, 506-513. | 1.4 | 60 |
| 64 | Regulation of leukocyte recruitment by polypeptides derived from high molecular weight kininogen. <i>FASEB Journal</i> , 2001, 15, 2365-2376. | 0.5 | 59 |
| 65 | Extracellular Ribonucleic Acids (RNA) Enter the Stage in Cardiovascular Disease. <i>Circulation Research</i> , 2016, 118, 469-479. | 4.5 | 59 |
| 66 | Novel Glycosylated Forms of Human Plasma Endostatin and Circulating Endostatin-Related Fragments of Collagen XV α 1. <i>Biochemistry</i> , 1999, 38, 10217-10224. | 2.5 | 57 |
| 67 | High Molecular Weight Kininogen Regulates Platelet-Leukocyte Interactions by Bridging Mac-1 and Glycoprotein Ib. <i>Journal of Biological Chemistry</i> , 2003, 278, 45375-45381. | 3.4 | 55 |
| 68 | Perivascular Mast Cells Govern Shear Stress-Induced Arteriogenesis by Orchestrating Leukocyte Function. <i>Cell Reports</i> , 2016, 16, 2197-2207. | 6.4 | 55 |
| 69 | Signaling mechanism of extracellular RNA in endothelial cells. <i>FASEB Journal</i> , 2009, 23, 2100-2109. | 0.5 | 54 |
| 70 | Extracellular RNA promotes leukocyte recruitment in the vascular system by mobilising proinflammatory cytokines. <i>Thrombosis and Haemostasis</i> , 2012, 108, 730-741. | 3.4 | 54 |
| 71 | The Staphylococcus aureus Extracellular Adherence Protein Promotes Bacterial Internalization by Keratinocytes Independent of Fibronectin-Binding Proteins. <i>Journal of Investigative Dermatology</i> , 2013, 133, 2004-2012. | 0.7 | 54 |
| 72 | Inactivation of nuclear histone deacetylases by EP300 disrupts the MiCEE complex in idiopathic pulmonary fibrosis. <i>Nature Communications</i> , 2019, 10, 2229. | 12.8 | 53 |

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|----|--|-----|-----------|
| 73 | Molecular Interactions and Functional Interference between Vitronectin and Transforming Growth Factor- β 2. <i>Laboratory Investigation</i> , 2002, 82, 37-46. | 3.7 | 50 |
| 74 | Expression and localisation of vascular ribonucleases in endothelial cells. <i>Thrombosis and Haemostasis</i> , 2011, 105, 345-355. | 3.4 | 48 |
| 75 | Extracellular RNA Liberates Tumor Necrosis Factor- β to Promote Tumor Cell Trafficking and Progression. <i>Cancer Research</i> , 2013, 73, 5080-5089. | 0.9 | 47 |
| 76 | Promotion of Leukocyte Adhesion by a Novel Interaction Between Vitronectin and the β 2Integrin Mac-1 (α M β 2, CD11b/CD18). <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2004, 24, 2251-2256. | 2.4 | 46 |
| 77 | Multiple interactions between human vitronectin and <i>Staphylococcus aureus</i> . <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 1993, 1225, 57-63. | 3.8 | 45 |
| 78 | Suppression of experimental autoimmune encephalomyelitis by extracellular adherence protein of <i>Staphylococcus aureus</i> . <i>Journal of Experimental Medicine</i> , 2006, 203, 985-994. | 8.5 | 45 |
| 79 | Interaction of the Cell Adhesion Molecule CHL1 with Vitronectin, Integrins, and the Plasminogen Activator Inhibitor-2 Promotes CHL1-Induced Neurite Outgrowth and Neuronal Migration. <i>Journal of Neuroscience</i> , 2014, 34, 14606-14623. | 3.6 | 45 |
| 80 | RNase Therapy Assessed by Magnetic Resonance Imaging Reduces Cerebral Edema and Infarction Size in Acute Stroke. <i>Current Neurovascular Research</i> , 2009, 6, 12-19. | 1.1 | 44 |
| 81 | Soluble polysialylated NCAM: a novel player of the innate immune system in the lung. <i>Cellular and Molecular Life Sciences</i> , 2013, 70, 3695-3708. | 5.4 | 44 |
| 82 | Plasminogen Activator Inhibitor-1 Is an Inhibitor of Factor VII-activating Protease in Patients with Acute Respiratory Distress Syndrome. <i>Journal of Biological Chemistry</i> , 2007, 282, 21671-21682. | 3.4 | 42 |
| 83 | RNase1 as a potential mediator of remote ischaemic preconditioning for cardioprotection. <i>European Journal of Cardio-thoracic Surgery</i> , 2015, 48, 732-737. | 1.4 | 42 |
| 84 | From basic mechanisms to clinical applications in heart protection, new players in cardiovascular diseases and cardiac theranostics: meeting report from the third international symposium on "New frontiers in cardiovascular research". <i>Basic Research in Cardiology</i> , 2016, 111, 69. | 5.9 | 41 |
| 85 | Oncodevelopmental β -Fetoprotein Acts as a Selective Proangiogenic Factor on Endothelial Cell from the Fetomaternal Unit. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2004, 89, 1415-1422. | 3.6 | 40 |
| 86 | The <i>Staphylococcus aureus</i> Extracellular Adherence Protein Eap Is a DNA Binding Protein Capable of Blocking Neutrophil Extracellular Trap Formation. <i>Frontiers in Cellular and Infection Microbiology</i> , 2018, 8, 235. | 3.9 | 40 |
| 87 | Identification of novel heparin-binding domains of vitronectin. <i>FEBS Letters</i> , 1997, 407, 169-172. | 2.8 | 39 |
| 88 | Extracellular RNA as a Versatile DAMP and Alarm Signal That Influences Leukocyte Recruitment in Inflammation and Infection. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 619221. | 3.7 | 37 |
| 89 | Structural Requirements for the Procoagulant Activity of Nucleic Acids. <i>PLoS ONE</i> , 2012, 7, e50399. | 2.5 | 36 |
| 90 | Regulation of monocyte/macrophage polarisation by extracellular RNA. <i>Thrombosis and Haemostasis</i> , 2015, 113, 473-481. | 3.4 | 36 |

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|-----|---|------|-----------|
| 91 | Association of neutrophil extracellular traps with endometriosis-related chronic inflammation. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2014, 183, 193-200. | 1.1 | 35 |
| 92 | Impact of extracellular RNA on endothelial barrier function. <i>Cell and Tissue Research</i> , 2014, 355, 635-645. | 2.9 | 35 |
| 93 | Current concepts in chronic inflammatory diseases: Interactions between microbes, cellular metabolism, and inflammation. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 138, 47-56. | 2.9 | 35 |
| 94 | The Role of Midkine in Arteriogenesis, Involving Mechanosensing, Endothelial Cell Proliferation, and Vasodilation. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2559. | 4.1 | 35 |
| 95 | Altered fibrin clot structure and dysregulated fibrinolysis contribute to thrombosis risk in severe COVID-19. <i>Blood Advances</i> , 2022, 6, 1074-1087. | 5.2 | 35 |
| 96 | A positively charged cluster in the epidermal growth factor-like domain of Factor VII-activating protease (FSAP) is essential for polyanion binding. <i>Biochemical Journal</i> , 2006, 394, 687-692. | 3.7 | 34 |
| 97 | STIM1/ORAI1-mediated Ca ²⁺ Influx Regulates Enolase-1 Exteriorization. <i>Journal of Biological Chemistry</i> , 2015, 290, 11983-11999. | 3.4 | 34 |
| 98 | Inhibition of Platelet Adhesion and Aggregation by a Defined Region (Gly-486-Lys-502) of High Molecular Weight Kininogen. <i>Journal of Biological Chemistry</i> , 2002, 277, 23157-23164. | 3.4 | 33 |
| 99 | Plasminogen activator inhibitor type 1 inhibits smooth muscle cell proliferation in pulmonary arterial hypertension. <i>International Journal of Biochemistry and Cell Biology</i> , 2008, 40, 1872-1882. | 2.8 | 33 |
| 100 | Extracellular Matrix Interactions with Gram-Positive Pathogens. <i>Microbiology Spectrum</i> , 2019, 7, . | 3.0 | 32 |
| 101 | Molecular Mechanisms of Zinc-Dependent Leukocyte Adhesion Involving the Urokinase Receptor and β 2-Integrins. <i>Blood</i> , 1999, 93, 2976-2983. | 1.4 | 32 |
| 102 | Different mechanisms define the antiadhesive function of high molecular weight kininogen in integrin- and urokinase receptor-dependent interactions. <i>Blood</i> , 2000, 96, 514-522. | 1.4 | 32 |
| 103 | The Hemopexin-Type Repeats of Human Vitronectin Are Recognized by <i>Streptococcus pyogenes</i> . <i>Biochemical and Biophysical Research Communications</i> , 1997, 234, 445-449. | 2.1 | 31 |
| 104 | Protein arginine methyltransferase 5 mediates enolase-1 cell surface trafficking in human lung adenocarcinoma cells. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018, 1864, 1816-1827. | 3.8 | 30 |
| 105 | Positioning of nucleosomes containing γ -H2AX precedes active DNA demethylation and transcription initiation. <i>Nature Communications</i> , 2021, 12, 1072. | 12.8 | 30 |
| 106 | The Versatility of Adhesion Receptor Ligands in Haemostasis: Morpho-Regulatory Functions of Vitronectin. <i>Thrombosis and Haemostasis</i> , 1995, 74, 258-265. | 3.4 | 30 |
| 107 | Self-extracellular RNA acts in synergy with exogenous danger signals to promote inflammation. <i>PLoS ONE</i> , 2017, 12, e0190002. | 2.5 | 29 |
| 108 | Extracellular RNA released due to shear stress controls natural bypass growth by mediating mechanotransduction in mice. <i>Blood</i> , 2019, 134, 1469-1479. | 1.4 | 28 |

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|-----|--|-----|-----------|
| 109 | Reciprocal regulation of urokinase receptor (CD87)-mediated cell adhesion by plasminogen activator inhibitor-1 and protease nexin-1. <i>Journal of Cell Science</i> , 2004, 117, 477-485. | 2.0 | 27 |
| 110 | Host-derived extracellular RNA promotes adhesion of <i>Streptococcus pneumoniae</i> to endothelial and epithelial cells. <i>Scientific Reports</i> , 2016, 6, 37758. | 3.3 | 27 |
| 111 | A Jonah-like chymotrypsin from the therapeutic maggot <i>Lucilia sericata</i> plays a role in wound debridement and coagulation. <i>Insect Biochemistry and Molecular Biology</i> , 2016, 70, 138-147. | 2.7 | 27 |
| 112 | Targeting of Extracellular RNA Reduces Edema Formation and Infarct Size and Improves Survival After Myocardial Infarction in Mice. <i>Journal of the American Heart Association</i> , 2017, 6, . | 3.7 | 27 |
| 113 | The extracellular adherence protein from <i>Staphylococcus aureus</i> abrogates angiogenic responses of endothelial cells by blocking Ras activation. <i>FASEB Journal</i> , 2006, 20, 2621-2623. | 0.5 | 25 |
| 114 | Influence of Extracellular RNAs, Released by Rheumatoid Arthritis Synovial Fibroblasts, on Their Adhesive and Invasive Properties. <i>Journal of Immunology</i> , 2016, 197, 2589-2597. | 0.8 | 25 |
| 115 | Influence of proinflammatory stimuli on the expression of vascular ribonuclease 1 in endothelial cells. <i>FASEB Journal</i> , 2014, 28, 752-760. | 0.5 | 24 |
| 116 | Extracellular RNA in Central Nervous System Pathologies. <i>Frontiers in Molecular Neuroscience</i> , 2019, 12, 254. | 2.9 | 24 |
| 117 | The role of plasminogen activator inhibitor-1 as inhibitor of platelet and megakaryoblastic cell adhesion. <i>British Journal of Haematology</i> , 1999, 104, 901-908. | 2.5 | 23 |
| 118 | Structural and Functional Characterization of Vitronectin-Derived RGD-Containing Peptides from Human Hemofiltrate. <i>FEBS Journal</i> , 1996, 241, 557-563. | 0.2 | 22 |
| 119 | Extracellular nucleic acids in immunity and cardiovascular responses: between alert and disease. <i>Thrombosis and Haemostasis</i> , 2017, 117, 1272-1282. | 3.4 | 22 |
| 120 | Expression pattern of protease activated receptors in lymphoid cells. <i>Cellular Immunology</i> , 2014, 288, 47-52. | 3.0 | 21 |
| 121 | Localization of protein kinase A and vitronectin in resting platelets and their translocation onto fibrin fibers during clot formation. <i>European Journal of Cell Biology</i> , 2001, 80, 87-98. | 3.6 | 20 |
| 122 | A Novel Antithrombotic Role for High Molecular Weight Kininogen as Inhibitor of Plasminogen Activator Inhibitor-1 Function. <i>Journal of Biological Chemistry</i> , 2002, 277, 32677-32682. | 3.4 | 20 |
| 123 | Thrombin Promotes Macrophage Polarization into M1-Like Phenotype to Induce Inflammatory Responses. <i>Thrombosis and Haemostasis</i> , 2020, 120, 658-670. | 3.4 | 20 |
| 124 | Arterial and Venous Thrombosis following Trauma and Major Orthopedic Surgery: Molecular Mechanisms and Strategies for Intervention. <i>Seminars in Thrombosis and Hemostasis</i> , 2015, 41, 141-145. | 2.7 | 19 |
| 125 | Ribonuclease (RNase) Prolongs Survival of Grafts in Experimental Heart Transplantation. <i>Journal of the American Heart Association</i> , 2016, 5, . | 3.7 | 19 |
| 126 | VLA-4 (Î±4Î²1) engagement defines a novel activation pathway for Î²2 integrinâ€“dependent leukocyte adhesion involving the urokinase receptor. <i>Blood</i> , 2000, 96, 506-513. | 1.4 | 18 |

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|-----|--|-----|-----------|
| 127 | Characterization of rapid neutrophil extracellular trap formation and its cooperation with phagocytosis in human neutrophils. <i>Discoveries</i> , 2014, 2, e19. | 2.3 | 18 |
| 128 | Responses of Endothelial Cells Towards Ischemic Conditioning Following Acute Myocardial Infarction. <i>Conditioning Medicine</i> , 2018, 1, 247-258. | 1.3 | 18 |
| 129 | Measurement of vitronectin content of human spermatozoa and vitronectin concentration within seminal fluid. <i>Fertility and Sterility</i> , 1997, 68, 709-713. | 1.0 | 17 |
| 130 | Characterization of mast cell-derived rRNA-containing microvesicles and their inflammatory impact on endothelial cells. <i>FASEB Journal</i> , 2019, 33, 5457-5467. | 0.5 | 17 |
| 131 | Inflammation-mediated deacetylation of the ribonuclease 1 promoter via histone deacetylase 2 in endothelial cells. <i>FASEB Journal</i> , 2019, 33, 9017-9029. | 0.5 | 16 |
| 132 | Leukocyte trans-endothelial migration: JAMs add new pieces to the puzzle. <i>Thrombosis and Haemostasis</i> , 2003, 89, 13-7. | 3.4 | 15 |
| 133 | Extracellular Adherence Protein of <i>Staphylococcus aureus</i> Suppresses Disease by Inhibiting T-Cell Recruitment in a Mouse Model of Psoriasis. <i>Journal of Investigative Dermatology</i> , 2010, 130, 743-754. | 0.7 | 14 |
| 134 | Shear Stress-Induced miR-143-3p in Collateral Arteries Contributes to Outward Vessel Growth by Targeting Collagen V-1 α 2. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2020, 40, e126-e137. | 2.4 | 14 |
| 135 | Inhibition of breast cancer cell adhesion and bone metastasis by the extracellular adherence protein of <i>Staphylococcus aureus</i> . <i>Biochemical and Biophysical Research Communications</i> , 2007, 357, 282-288. | 2.1 | 13 |
| 136 | More Is Not Always Better—the Double-Headed Role of Fibronectin in <i>Staphylococcus aureus</i> Host Cell Invasion. <i>MBio</i> , 2021, 12, e0106221. | 4.1 | 13 |
| 137 | Self-extracellular RNA promotes pro-inflammatory response of astrocytes to exogenous and endogenous danger signals. <i>Journal of Neuroinflammation</i> , 2021, 18, 252. | 7.2 | 13 |
| 138 | Response to Letter Regarding Article “Role of Extracellular RNA in Atherosclerotic Plaque Formation in Mice”. <i>Circulation</i> , 2014, 130, e144-5. | 1.6 | 12 |
| 139 | The extracellular adherence protein (Eap) of <i>Staphylococcus aureus</i> acts as a proliferation and migration repressing factor that alters the cell morphology of keratinocytes. <i>International Journal of Medical Microbiology</i> , 2017, 307, 116-125. | 3.6 | 12 |
| 140 | Polysialic acid is released by human umbilical vein endothelial cells (HUVEC) in vitro. <i>Cell and Bioscience</i> , 2018, 8, 64. | 4.8 | 12 |
| 141 | The Extraordinary Role of Extracellular RNA in Arteriogenesis, the Growth of Collateral Arteries. <i>International Journal of Molecular Sciences</i> , 2019, 20, 6177. | 4.1 | 11 |
| 142 | The expression and localization of RNase and RNase inhibitor in blood cells and vascular endothelial cells in homeostasis of the vascular system. <i>PLoS ONE</i> , 2017, 12, e0174237. | 2.5 | 10 |
| 143 | Human placenta-derived Wnt-5a induces the expression of ICAM-1 and VCAM-1 in CD133+CD34+ hematopoietic progenitor cells. <i>Reproductive Biology</i> , 2014, 14, 262-275. | 1.9 | 8 |
| 144 | Autoantibody-mediated cytotoxicity in paediatric opsoclonus-myoclonus syndrome is dependent on ERK-1/2 phosphorylation. <i>Journal of Neuroimmunology</i> , 2015, 289, 182-186. | 2.3 | 8 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 145 | Potential Pharmacological Applications of the Antithrombotic Molecule High Molecular Weight Kininogen. <i>Current Vascular Pharmacology</i> , 2003, 1, 59-64. | 1.7 | 7 |
| 146 | The Role of Multifunctional Adhesion Molecules in Spermatogenesis and Sperm Function: Lessons from Hemostasis and Defense?. <i>Seminars in Thrombosis and Hemostasis</i> , 2007, 33, 100-110. | 2.7 | 7 |
| 147 | Antitumor Macrophage Response to <i>Bacillus pumilus</i> Ribonuclease (Binase). <i>Mediators of Inflammation</i> , 2017, 2017, 1-11. | 3.0 | 7 |
| 148 | The Absence of Extracellular Cold-Inducible RNA-Binding Protein (eCIRP) Promotes Pro-Angiogenic Microenvironmental Conditions and Angiogenesis in Muscle Tissue Ischemia. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9484. | 4.1 | 6 |
| 149 | Urokinase Receptor (CD87) Clustering in Detergent-Insoluble Adhesion Patches Leads to Cell Adhesion Independently of Integrins. <i>Cell Communication and Adhesion</i> , 2007, 14, 137-155. | 1.0 | 5 |
| 150 | Extracellular Matrix Interactions with Gram-Positive Pathogens. , 2019, , 108-124. | | 5 |
| 151 | Surfing on the Cardiovascular Frontier Wave. <i>Thrombosis and Haemostasis</i> , 2015, 113, 439-440. | 3.4 | 4 |
| 152 | Optimizing Measurement of Vascular Endothelial Growth Factor in Small Blood Samples of Premature Infants. <i>Scientific Reports</i> , 2019, 9, 6744. | 3.3 | 4 |
| 153 | Influence of Medication-Induced Preconditioning or Remote Ischemic Preconditioning on the Intrinsic Vascular Extracellular RNA/Ribonuclease System in Cardioprotection. <i>Thoracic and Cardiovascular Surgeon</i> , 2019, 67, 494-501. | 1.0 | 4 |
| 154 | Extracellular Matrix and Host Cell Surfaces: Potential Sites of Pathogen Interaction. , 0, , 87-104. | | 4 |
| 155 | Extracellular Ribosomal RNA Acts Synergistically with Toll-like Receptor 2 Agonists to Promote Inflammation. <i>Cells</i> , 2022, 11, 1440. | 4.1 | 3 |
| 156 | Variability in the expression of urokinase receptor(CD87) mutants on cells: relevance to cell adhesion. <i>Cell Biochemistry and Function</i> , 2004, 22, 257-264. | 2.9 | 2 |
| 157 | Adipose tissue-derived PAI-1: A molecular link for thrombo-inflammatory disease states?. <i>Thrombosis and Haemostasis</i> , 2012, 108, 415-415. | 3.4 | 2 |
| 158 | Vitronectin Concentrates Proteolytic Activity on the Cell Surface and Extracellular Matrix by Trapping Soluble Urokinase Receptor-Urokinase Complexes. <i>Blood</i> , 1998, 91, 2305-2312. | 1.4 | 2 |
| 159 | The role of fibrinolysis in the cross-talks among vessel wall components: the vitronectin-PAI-1 axis. <i>Fibrinolysis</i> , 1993, 7, 18-19. | 0.5 | 1 |
| 160 | From Molecules to Medicine: New Horizons in Vascular Biology and Thrombosis. <i>Thrombosis and Haemostasis</i> , 2008, 99, 251-252. | 3.4 | 1 |
| 161 | Regulation of neovascularization by human neutrophil peptides (α -defensins): a link between inflammation and angiogenesis. , 2004, 18, 1306. | | 1 |
| 162 | Extracellular Matrix Interactions with Gram-Positive Pathogens. , 0, , 89-99. | | 1 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 163 | Intravascular and Extravascular Coagulation and Fibrinolysis in the Diseased Lung. , 2008, , 37-47. | | 0 |
| 164 | A Set of Genetic Constructs for Binase and Barstar Overproduction. BioNanoScience, 2017, 7, 222-225. | 3.5 | 0 |
| 165 | Platelet glycoprotein VIâ€dependent thrombus stabilization is essential for the intraportal engraftment of pancreatic islets. American Journal of Transplantation, 2021, 21, 2079-2089. | 4.7 | 0 |
| 166 | Vitronectin. , 2016, , 1-11. | | 0 |
| 167 | Vitronectin. , 2018, , 5930-5941. | | 0 |