

von Willebrand factor, Jedi knight of the bloodstream

Blood

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Is there more than one way to unpack a Weibel-Palade body?. Blood, 2015, 126, 2165-2167.	0.6	15
2	Circulatory support devices: fundamental aspects and clinical management of bleeding and thrombosis. Journal of Thrombosis and Haemostasis, 2015, 13, 1757-1767.	1.9	64
3	Psychopathology in a Galaxy Far, Far Away: the Use of Star Wars™ Dark Side in Teaching. Academic Psychiatry, 2015, 39, 726-732.	0.4	12
4	TFF2, a MUC6-binding lectin stabilizing the gastric mucus barrier and more (Review). International Journal of Oncology, 2015, 47, 806-816.	1.4	62
5	Mechanosensing: A Regulation Sensation. Current Biology, 2015, 25, R113-R115.	1.8	24
6	Vision: A Moving Hill for Spatial Updating on the Fly. Current Biology, 2015, 25, R115-R117.	1.8	0
7	Force-induced on-rate switching and modulation by mutations in gain-of-function von Willebrand diseases. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 4648-4653.	3.3	34
8	Von Willebrand factor-A1 domain binds platelet glycoprotein Ib β in multiple states with distinctive force-dependent dissociation kinetics. Thrombosis Research, 2015, 136, 606-612.	0.8	46
9	ADAMTS13. , 2015, , .		1
10	Shear-Dependent Interactions of von Willebrand Factor with Factor VIII and Protease ADAMTS 13 Demonstrated at a Single Molecule Level by Atomic Force Microscopy. Analytical Chemistry, 2015, 87, 10299-10305.	3.2	16
11	The co-influence of VWD type 2B/2M mutations in the A1 domain and platelet GPIb β on the rate of cleavage to VWF by ADAMTS13. Thrombosis Research, 2015, 136, 987-995.	0.8	2
12	The functions of the A1A2A3 domains in von Willebrand factor include multimerin 1 binding. Thrombosis and Haemostasis, 2016, 116, 87-95.	1.8	9
13	A novel ELISA-based diagnosis of acquired von Willebrand disease with increased VWF proteolysis. Thrombosis and Haemostasis, 2016, 115, 950-959.	1.8	12
14	Platelets as Mediators of the Vascular Response to Infection. , 2016, , 23-30.		0
15	Platelet activation risk index as a prognostic thrombosis indicator. Scientific Reports, 2016, 6, 30508.	1.6	19
16	von Willebrand factor multimerization and the polarity of secretory pathways in endothelial cells. Blood, 2016, 128, 277-285.	0.6	85
17	Annexins A2 and A8 in endothelial cell exocytosis and the control of vascular homeostasis. Biological Chemistry, 2016, 397, 995-1003.	1.2	15
18	pH-Dependent Interactions in Dimers Govern the Mechanics and Structure of von Willebrand Factor. Biophysical Journal, 2016, 111, 312-322.	0.2	18

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19	Mutations in the Dâ€²D3 region of VWF traditionally associated with type 1 VWD lead to quantitative and qualitative deficiencies of VWF. <i>Thrombosis Research</i> , 2016, 145, 112-118.	0.8	13
20	Von Willebrandâ€™s Disease. <i>New England Journal of Medicine</i> , 2016, 375, 2067-2080.	13.9	389
21	Platelet clearance via shear-induced unfolding of a membrane mechanoreceptor. <i>Nature Communications</i> , 2016, 7, 12863.	5.8	87
22	Structural Biology and Evolution of the TGF-Î² Family. <i>Cold Spring Harbor Perspectives in Biology</i> , 2016, 8, a022103.	2.3	267
23	Acquired intracoronary ADAMTS13 deficiency and VWF retention at sites of critical coronary stenosis in patients with STEMI. <i>Blood</i> , 2016, 127, 2934-2936.	0.6	13
24	First report of MYD88L265P somatic mutation in IgM-associated light-chain amyloidosis. <i>Blood</i> , 2016, 127, 2936-2938.	0.6	17
25	Von Willebrand Factor â€™ A Rapid Sensor of Paravalvular Regurgitation during TAVR?. <i>New England Journal of Medicine</i> , 2016, 375, 382-383.	13.9	3
26	Weibel-Palade body size modulates the adhesive activity of its von Willebrand Factor cargo in cultured endothelial cells. <i>Scientific Reports</i> , 2016, 6, 32473.	1.6	38
27	A genetically-engineered von Willebrand disease type 2B mouse model displays defects in hemostasis and inflammation. <i>Scientific Reports</i> , 2016, 6, 26306.	1.6	19
28	Force sensing by the vascular protein von Willebrand factor is tuned by a strong intermonomer interaction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 1208-1213.	3.3	51
29	Keeping von Willebrand Factor under Control: Alternatives for ADAMTS13. <i>Seminars in Thrombosis and Hemostasis</i> , 2016, 42, 009-017.	1.5	15
30	Structure and biological activity of a fucosylated chondroitin sulfate from the sea cucumber <i>Cucumaria japonica</i> . <i>Glycobiology</i> , 2016, 26, 449-459.	1.3	53
31	Anticoagulant and antithrombotic activities of modified xylofucan sulfate from the brown alga <i>Punctaria plantaginea</i> . <i>Carbohydrate Polymers</i> , 2016, 136, 826-833.	5.1	43
32	Mutation G1629E Increases von Willebrand Factor Cleavage via a Cooperative Destabilization Mechanism. <i>Biophysical Journal</i> , 2017, 112, 57-65.	0.2	11
33	The Carmat Bioprosthetic Total Artificial Heart Is Associated With Early Hemostatic Recovery and no Acquired von Willebrand Syndrome in Calves. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2017, 31, 1595-1602.	0.6	26
34	Temperature-Induced Shape Changing of Thermosensitive Binary Heterografted Linear Molecular Brushes between Extended Wormlike and Stable Globular Conformations. <i>Macromolecules</i> , 2017, 50, 1645-1656.	2.2	36
35	Inducing protein aggregation by extensional flow. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 4673-4678.	3.3	77
36	Dynamics of von Willebrand factor reactivity in sickle cell disease during vasoâ€™occlusive crisis and steady state. <i>Journal of Thrombosis and Haemostasis</i> , 2017, 15, 1392-1402.	1.9	20

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37	Enhanced Local Disorder in a Clinically Elusive von Willebrand Factor Provokes High-Affinity Platelet Clumping. <i>Journal of Molecular Biology</i> , 2017, 429, 2161-2177.	2.0	36
38	Margination and stretching of von Willebrand factor in the blood stream enable adhesion. <i>Scientific Reports</i> , 2017, 7, 14278.	1.6	42
39	Weibel's Palade bodies at a glance. <i>Journal of Cell Science</i> , 2017, 130, 3611-3617.	1.2	83
40	The normal trachea is cleaned by MUC5B mucin bundles from the submucosal glands coated with the MUC5AC mucin. <i>Biochemical and Biophysical Research Communications</i> , 2017, 492, 331-337.	1.0	92
41	Flow-induced elongation of von Willebrand factor precedes tension-dependent activation. <i>Nature Communications</i> , 2017, 8, 324.	5.8	149
42	A bio-inspired method for direct measurement of local wall shear rates with micrometer localization using the multimeric protein von Willebrand factor as sensor molecule. <i>Biomicrofluidics</i> , 2017, 11, 044117.	1.2	2
43	A discontinuous autoinhibitory module masks the A1 domain of von Willebrand factor. <i>Journal of Thrombosis and Haemostasis</i> , 2017, 15, 1867-1877.	1.9	37
44	Modeling the cleavage of von Willebrand factor by ADAMTS13 protease in shear flow. <i>Medical Engineering and Physics</i> , 2017, 48, 14-22.	0.8	13
45	von Willebrand factor and inflammation. <i>Journal of Thrombosis and Haemostasis</i> , 2017, 15, 1285-1294.	1.9	178
47	Live-cell Imaging of Platelet Degranulation and Secretion Under Flow. <i>Journal of Visualized Experiments</i> , 2017, , .	0.2	7
48	Interaction between Multimeric von Willebrand Factor and Complement: A Fresh Look to the Pathophysiology of Microvascular Thrombosis. <i>Journal of Immunology</i> , 2017, 199, 1021-1040.	0.4	56
49	Clathrin-mediated post-fusion membrane retrieval influences the exocytic mode of endothelial Weibel-Palade bodies. <i>Journal of Cell Science</i> , 2017, 130, 2591-2605.	1.2	16
50	Anti-connective tissue growth factor (CTGF/CCN2) monoclonal antibody attenuates skin fibrosis in mice models of systemic sclerosis. <i>Arthritis Research and Therapy</i> , 2017, 19, 134.	1.6	63
51	Von Willebrand factor and angiogenesis: basic and applied issues. <i>Journal of Thrombosis and Haemostasis</i> , 2017, 15, 13-20.	1.9	141
52	Biophysical approaches promote advances in the understanding of von Willebrand factor processing and function. <i>Advances in Biological Regulation</i> , 2017, 63, 81-91.	1.4	14
53	The Role of von Willebrand Factor in Vascular Inflammation: From Pathogenesis to Targeted Therapy. <i>Mediators of Inflammation</i> , 2017, 2017, 1-13.	1.4	173
54	Entrapment of Autologous von Willebrand Factor on Polystyrene/Poly(methyl methacrylate) Demixed Surfaces. <i>Polymers</i> , 2017, 9, 700.	2.0	1
55	Granule-stored MUC5B mucins are packed by the non-covalent formation of N-terminal head-to-head tetramers. <i>Journal of Biological Chemistry</i> , 2018, 293, 5746-5754.	1.6	50

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56	14-3-3 proteins in platelet biology and glycoprotein Ib-IX signaling. <i>Blood</i> , 2018, 131, 2436-2448.	0.6	30
57	Long ligands reinforce biological adhesion under shear flow. <i>Physical Review E</i> , 2018, 97, 042407.	0.8	13
58	A microengineered vascularized bleeding model that integrates the principal components of hemostasis. <i>Nature Communications</i> , 2018, 9, 509.	5.8	70
59	Translational Implications of Platelets as Vascular First Responders. <i>Circulation Research</i> , 2018, 122, 506-522.	2.0	66
60	Acquired coagulopathy in patients with left ventricular assist devices. <i>Journal of Thrombosis and Haemostasis</i> , 2018, 16, 429-440.	1.9	51
61	Effect of Length on the Dynamics of Wall Tethered Polymers in Shear Flow. <i>Macromolecules</i> , 2018, 51, 254-265.	2.2	4
62	Molecular Mechanism of Protein Unfolding under Shear: A Lattice Boltzmann Molecular Dynamics Study. <i>Journal of Physical Chemistry B</i> , 2018, 122, 1573-1579.	1.2	23
63	Flow-induced adhesion of shear-activated polymers to a substrate. <i>Journal of Physics Condensed Matter</i> , 2018, 30, 064001.	0.7	4
64	Coarse-Grain Modeling of Shear-Induced Binding between von Willebrand Factor and Collagen. <i>Biophysical Journal</i> , 2018, 114, 1816-1829.	0.2	11
66	Von Willebrand Factor as a Novel Player in Valvular Heart Disease: From Bench to Valve Replacement. <i>Angiology</i> , 2018, 69, 103-112.	0.8	8
67	A biophysical view on von Willebrand factor activation. <i>Journal of Cellular Physiology</i> , 2018, 233, 799-810.	2.0	65
68	von Willebrand Factor and Venous Thromboembolism: Pathogenic Link and Therapeutic Implications. <i>Seminars in Thrombosis and Hemostasis</i> , 2018, 44, 249-260.	1.5	35
69	Mechanisms of Platelet Dysfunction in Patients with Implantable Devices. <i>Seminars in Thrombosis and Hemostasis</i> , 2018, 44, 012-019.	1.5	5
70	Multi-scale simulations of biological systems using the OPEP coarse-grained model. <i>Biochemical and Biophysical Research Communications</i> , 2018, 498, 296-304.	1.0	26
71	Diagnosis and management of von Willebrand disease in Slovakia. <i>Annals of Blood</i> , 0, 3, 9-9.	0.4	3
72	Cellular machinery for sensing mechanical force. <i>BMB Reports</i> , 2018, 51, 623-629.	1.1	41
73	Three Weaknesses for Three Perturbations: Comparing Protein Unfolding Under Shear, Force, and Thermal Stresses. <i>Journal of Physical Chemistry B</i> , 2018, 122, 11922-11930.	1.2	24
74	The Role of Transmembrane Glycoproteins, Integrins and Serpentine in Platelet Adhesion and Activation. <i>Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology</i> , 2018, 12, 315-326.	0.3	0

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75	Internal Tensile Force and A2 Domain Unfolding of von Willebrand Factor Multimers in Shear Flow. <i>Biophysical Journal</i> , 2018, 115, 1860-1871.	0.2	11
76	Protein engineering by chemical methods: Incorporation of nonnatural amino acids as a tool for studying protein folding, stability, and function. <i>Peptide Science</i> , 2018, 110, e24090.	1.0	4
77	Catching platelets from the bloodflow: the role of the conformation of von Willebrand factor. <i>Mathematical Modelling of Natural Phenomena</i> , 2018, 13, 44.	0.9	10
78	Antiplatelet Treatment for Catheter-Based Interventions in High-Risk Patients: Current Guidelines and Expert Opinion. <i>Hamostaseologie</i> , 2018, 38, 229-235.	0.9	2
79	von Willebrand Factor for Aortic Valve Intervention. <i>Circulation Research</i> , 2018, 122, 1499-1500.	2.0	4
80	Role of CD40 and ADAMTS13 in von Willebrand factor-mediated endothelial cell-platelet-monocyte interaction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E5556-E5565.	3.3	38
82	A new redox switch regulating von Willebrand factor activity. <i>Journal of Thrombosis and Haemostasis</i> , 2018, 16, 1257-1258.	1.9	3
83	Tuning the endothelial response: differential release of exocytic cargos from Weibel-Palade bodies. <i>Journal of Thrombosis and Haemostasis</i> , 2018, 16, 1873-1886.	1.9	37
84	Von Willebrand Disease in Pregnancy. , 2018, , 81-90.		0
85	The Von Willebrand Factor. , 2018, , 135-148.		0
86	Regulation of von-Willebrand Factor Secretion from Endothelial Cells by the Annexin A2-S100A10 Complex. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1752.	1.8	26
87	Modulatory Role of Pulsatility on von Willebrand Factor. <i>Journal of the American College of Cardiology</i> , 2018, 71, 2119-2121.	1.2	10
88	Elastomeric microvalve geometry affects haemocompatibility. <i>Lab on A Chip</i> , 2018, 18, 1778-1792.	3.1	5
89	Platelet receptor-mediated mechanosensing and thrombosis. , 2018, , 285-304.		0
90	Multiscale Modeling of Blood Flow-Mediated Platelet Thrombosis. , 2018, , 1-32.		1
91	Normal fluid stresses are prevalent in rotary ventricular assist devices: A computational fluid dynamics analysis. <i>International Journal of Artificial Organs</i> , 2018, 41, 738-751.	0.7	14
92	Platelet Mechanotransduction. <i>Annual Review of Biomedical Engineering</i> , 2018, 20, 253-275.	5.7	57
93	von Willebrand factor regulation of blood vessel formation. <i>Blood</i> , 2018, 132, 132-140.	0.6	148

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94	Activation of cancer-associated fibroblasts is required for tumor neovascularization in a murine model of melanoma. <i>Matrix Biology</i> , 2018, 74, 52-61.	1.5	52
95	The study on high performance titanium electrodes coated with composite active film. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 493, 012070.	0.3	0
96	Structural factors of benzylated glucopyranans for shear-induced adhesion. <i>RSC Advances</i> , 2019, 9, 26214-26218.	1.7	2
97	The quest for blood-compatible materials: Recent advances and future technologies. <i>Materials Science and Engineering Reports</i> , 2019, 138, 118-152.	14.8	66
98	Generation and Application of Rat Monoclonal Antibodies Specific for a Human Blood Coagulation Protein: von Willebrand Factor. <i>Monoclonal Antibodies in Immunodiagnosis and Immunotherapy</i> , 2019, 38, 133-136.	0.8	2
99	Transcatheter aortic valve implantation in a patient with suspected hereditary von Willebrand disease and severe gastrointestinal bleeding – a case report. <i>Scottish Medical Journal</i> , 2019, 64, 142-147.	0.7	5
100	The Flow Dependent Adhesion of von Willebrand Factor (VWF)-A1 Functionalized Nanoparticles in an in Vitro Coronary Stenosis Model. <i>Molecules</i> , 2019, 24, 2679.	1.7	8
101	Evidence of Magnetic Nulls in the Reconnection at Bow Shock. <i>Geophysical Research Letters</i> , 2019, 46, 10209-10218.	1.5	24
102	Hemostatic complications associated with ventricular assist devices. <i>Research and Practice in Thrombosis and Haemostasis</i> , 2019, 3, 589-598.	1.0	19
103	Crystal structure and substrate-induced activation of ADAMTS13. <i>Nature Communications</i> , 2019, 10, 3781.	5.8	56
104	Foreword: A Brief History of Ideas About Platelets in Health and Disease. , 2019, , xv-xxxviii.		1
105	Gone With the Vane. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2019, 39, 1702-1704.	1.1	1
106	A mechano-reactive coarse-grained model of the blood-clotting agent von Willebrand factor. <i>Journal of Chemical Physics</i> , 2019, 151, 124905.	1.2	13
107	Shear-Dependent Platelet Aggregation: Mechanisms and Therapeutic Opportunities. <i>Frontiers in Cardiovascular Medicine</i> , 2019, 6, 141.	1.1	123
108	Identifying the start of a platelet aggregate by the shear rate and the cell-depleted layer. <i>Journal of the Royal Society Interface</i> , 2019, 16, 20190148.	1.5	17
109	Optimization of von Willebrand factor multimer analysis in vertical mini-gel electrophoresis systems: A rapid procedure. <i>Thrombosis Research</i> , 2019, 175, 76-83.	0.8	7
110	Advancing multimer analysis of von Willebrand factor by single-molecule AFM imaging. <i>PLoS ONE</i> , 2019, 14, e0210963.	1.1	3
111	Prediction of Sub-Monomer A2 Domain Dynamics of the von Willebrand Factor by Machine Learning Algorithm and Coarse-Grained Molecular Dynamics Simulation. <i>Scientific Reports</i> , 2019, 9, 9037.	1.6	2

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112	An update on the new classification of Ehlers-Danlos syndrome and review of the causes of bleeding in this population. <i>Haemophilia</i> , 2019, 25, 558-566.	1.0	18
113	Multiscale method based on coupled lattice-Boltzmann and Langevin dynamics for direct simulation of nanoscale particle/polymer suspensions in complex flows. <i>International Journal for Numerical Methods in Fluids</i> , 2019, 91, 228-246.	0.9	22
114	Force-Regulated Refolding of the Mechanosensory Domain in the Platelet Glycoprotein Ib-IX Complex. <i>Biophysical Journal</i> , 2019, 116, 1960-1969.	0.2	21
115	Shear-Induced Extensional Response Behaviors of Tethered von Willebrand Factor. <i>Biophysical Journal</i> , 2019, 116, 2092-2102.	0.2	19
116	Shear stress and platelet-induced tensile forces regulate ADAMTS13-localization within the platelet thrombus. <i>Research and Practice in Thrombosis and Haemostasis</i> , 2019, 3, 254-260.	1.0	5
117	FAM -cyclic phospho-regulation of von Willebrand factor activity. <i>Journal of Thrombosis and Haemostasis</i> , 2019, 17, 863-865.	1.9	0
118	Von Willebrand Factor Mediates Pneumococcal Aggregation and Adhesion in Blood Flow. <i>Frontiers in Microbiology</i> , 2019, 10, 511.	1.5	10
119	In-Vitro Measurement and Modeling of Platelet Adhesion on VWF-Coated Surfaces in Channel Flow. <i>Biophysical Journal</i> , 2019, 116, 1136-1151.	0.2	16
120	Analytical characterization and reference interval of an enzyme-linked immunosorbent assay for active von Willebrand factor. <i>PLoS ONE</i> , 2019, 14, e0211961.	1.1	18
121	von Willebrand Factor and Management of Heart Valve Disease. <i>Journal of the American College of Cardiology</i> , 2019, 73, 1078-1088.	1.2	37
122	The Glycoprotein Ib-IX-V Complex. , 2019, , 193-211.		9
123	Clinical pharmacology of caplacizumab for the treatment of patients with acquired thrombotic thrombocytopenic purpura. <i>Expert Review of Clinical Pharmacology</i> , 2019, 12, 537-545.	1.3	43
124	Strong, tough, and repeatable adhesion of an alternating peptide comprising phenyl glycine as a repeating unit. <i>Journal of Materials Chemistry B</i> , 2019, 7, 2766-2770.	2.9	7
125	Bacterial mechanosensing: the force will be with you, always. <i>Journal of Cell Science</i> , 2019, 132, .	1.2	67
126	Electrostatic Steering Enables Flow-Activated Von Willebrand Factor to Bind Platelet Glycoprotein, Revealed by Single-Molecule Stretching and Imaging. <i>Journal of Molecular Biology</i> , 2019, 431, 1380-1396.	2.0	20
127	Forms of extracellular mitochondria and their impact in health. <i>Mitochondrion</i> , 2019, 48, 16-30.	1.6	94
128	Acquired von Willebrand Syndrome in Patients With Ventricular Assist Device. <i>Frontiers in Medicine</i> , 2019, 6, 7.	1.2	20
129	New therapies for von Willebrand disease. <i>Hematology American Society of Hematology Education Program</i> , 2019, 2019, 590-595.	0.9	7

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130	Multiplexed protein force spectroscopy reveals equilibrium protein folding dynamics and the low-force response of von Willebrand factor. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 18798-18807.	3.3	69
131	Von Willebrand Disease: From In Vivo to In Vitro Disease Models. HemaSphere, 2019, 3, e297.	1.2	6
132	New therapies for von Willebrand disease. Blood Advances, 2019, 3, 3481-3487.	2.5	29
133	Pneumococcus Infection of Primary Human Endothelial Cells in Constant Flow. Journal of Visualized Experiments, 2019, , .	0.2	2
134	Occlusive thrombosis in arteries. APL Bioengineering, 2019, 3, 041502.	3.3	35
135	Genetic and Functional Variants Analysis of the GATA6 Gene Promoter in Acute Myocardial Infarction. Frontiers in Genetics, 2019, 10, 1100.	1.1	11
136	Mechanochemistry of von Willebrand factor. Biomolecular Concepts, 2019, 10, 194-208.	1.0	32
137	The release of surface-anchored Î±-tectorin, an apical extracellular matrix protein, mediates tectorial membrane organization. Science Advances, 2019, 5, eaay6300.	4.7	27
138	von Willebrand Factor and Platelet Glycoprotein Ib: A Thromboinflammatory Axis in Stroke. Frontiers in Immunology, 2019, 10, 2884.	2.2	67
139	Binding of von Willebrand Factor to Complement C1q Decreases the Phagocytosis of Cholesterol Crystals and Subsequent IL-1 Secretion in Macrophages. Frontiers in Immunology, 2019, 10, 2712.	2.2	13
140	Computer modelling of initial platelet adhesion during microvascular thrombosis. Russian Journal of Numerical Analysis and Mathematical Modelling, 2019, 34, 241-251.	0.2	3
141	Recent advances in microfluidic platelet function assays: Moving microfluidics into clinical applications. Clinical Hemorheology and Microcirculation, 2019, 71, 249-266.	0.9	14
142	Actin dynamics during Ca ²⁺ -dependent exocytosis of endothelial Weibel-Palade bodies. Biochimica Et Biophysica Acta - Molecular Cell Research, 2019, 1866, 1218-1229.	1.9	15
143	The impact of GPIb α on platelet-targeted FVIII gene therapy in hemophilia A mice with pre-existing anti-FVIII immunity. Journal of Thrombosis and Haemostasis, 2019, 17, 449-459.	1.9	14
144	Endothelial cells of different organs exhibit heterogeneity in von Willebrand factor expression in response to hypoxia. Atherosclerosis, 2019, 282, 1-10.	0.4	26
145	RTX Adhesins are Key Bacterial Surface Megaproteins in the Formation of Biofilms. Trends in Microbiology, 2019, 27, 453-467.	3.5	30
146	The von Willebrand factor D α 2D3 assembly and structural principles for factor VIII binding and concatemer biogenesis. Blood, 2019, 133, 1523-1533.	0.6	55
147	Von Willebrand factor contribution to pathophysiology outside of von Willebrand disease. Microcirculation, 2019, 26, e12510.	1.0	5

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148	Exocytosis of Weibelâ€Palade bodies: how to unpack a vascular emergency kit. <i>Journal of Thrombosis and Haemostasis</i> , 2019, 17, 6-18.	1.9	82
149	Structure and dynamics of the platelet integrin-binding C4 domain of von Willebrand factor. <i>Blood</i> , 2019, 133, 366-376.	0.6	22
150	von Willebrand Disease. , 2019, , 93-107.		0
151	Effects of hydrophobicity, tethering and size on flow-induced activation of von Willebrand factor multimers. <i>Journal of Theoretical Biology</i> , 2020, 485, 110050.	0.8	13
152	How we make an accurate diagnosis of von Willebrand disease. <i>Thrombosis Research</i> , 2020, 196, 579-589.	0.8	18
153	Evidence for the Misfolding of the A1 Domain within Multimeric von Willebrand Factor in Type 2 von Willebrand Disease. <i>Journal of Molecular Biology</i> , 2020, 432, 305-323.	2.0	8
154	Human endothelial cells sizeâ€select their secretory granules for exocytosis to modulate their functional output. <i>Journal of Thrombosis and Haemostasis</i> , 2020, 18, 243-254.	1.9	16
155	Cleavage by MMPâ€13 renders VWF unable to bind to collagen but increases its platelet reactivity. <i>Journal of Thrombosis and Haemostasis</i> , 2020, 18, 942-954.	1.9	9
156	Assembly Mechanism of Mucin and von Willebrand Factor Polymers. <i>Cell</i> , 2020, 183, 717-729.e16.	13.5	79
157	Insights Into Immuno-thrombosis: The Interplay Among Neutrophil Extracellular Trap, von Willebrand Factor, and ADAMTS13. <i>Frontiers in Immunology</i> , 2020, 11, 610696.	2.2	62
158	Shearâ€dependent platelet aggregation size. <i>Artificial Organs</i> , 2020, 44, 1286-1295.	1.0	13
159	Shear Stress-Induced Activation of von Willebrand Factor and Cardiovascular Pathology. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7804.	1.8	28
160	von Willebrand Factor Is a Critical Mediator of Deep Vein Thrombosis in a Mouse Model of Diet-Induced Obesity. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2020, 40, 2860-2874.	1.1	23
161	Platelet adhesion and aggregate formation controlled by immobilised and soluble VWF. <i>BMC Molecular and Cell Biology</i> , 2020, 21, 64.	1.0	5
162	Impact of Von Willebrand Factor on Bacterial Pathogenesis. <i>Frontiers in Medicine</i> , 2020, 7, 543.	1.2	13
163	Ex vivo Improvement of a von Willebrand Disease Type 2A Phenotype Using an Allele-Specific Small-Interfering RNA. <i>Thrombosis and Haemostasis</i> , 2020, 120, 1569-1579.	1.8	11
164	Camelidâ€derived singleâ€chain antibodies in hemostasis: Mechanistic, diagnostic, and therapeutic applications. <i>Research and Practice in Thrombosis and Haemostasis</i> , 2020, 4, 1087-1110.	1.0	8
165	ADAMTSâ€13 and bleeding phenotype in von Willebrand disease. <i>Research and Practice in Thrombosis and Haemostasis</i> , 2020, 4, 1331-1339.	1.0	3

#	ARTICLE	IF	CITATIONS
166	Von Willebrand factor as a thrombotic and inflammatory mediator in critical illness. <i>Transfusion</i> , 2020, 60, S158-S166.	0.8	11
167	DNA binds to a specific site of the adhesive blood-protein von Willebrand factor guided by electrostatic interactions. <i>Nucleic Acids Research</i> , 2020, 48, 7333-7344.	6.5	14
168	Biomechanical thrombosis: the dark side of force and dawn of mechano-medicine. <i>Stroke and Vascular Neurology</i> , 2020, 5, 185-197.	1.5	17
169	Lowering the increased intracellular pH of human-induced pluripotent stem cell-derived endothelial cells induces formation of mature Weibel-Palade bodies. <i>Stem Cells Translational Medicine</i> , 2020, 9, 758-772.	1.6	11
170	Characterizing Single-Molecule Conformational Changes Under Shear Flow with Fluorescence Microscopy. <i>Journal of Visualized Experiments</i> , 2020, , .	0.2	1
171	<i>Leptospira interrogans</i> Bat proteins impair host hemostasis by fibrinogen cleavage and platelet aggregation inhibition. <i>Medical Microbiology and Immunology</i> , 2020, 209, 201-213.	2.6	8
172	Vascularized Microfluidics and the Blood-Endothelium Interface. <i>Micromachines</i> , 2020, 11, 18.	1.4	26
173	Clotting factors: Clinical biochemistry and their roles as plasma enzymes. <i>Advances in Clinical Chemistry</i> , 2020, 94, 31-84.	1.8	27
174	Reduced Activity of von Willebrand Factor after Flow-Diverting Stent Implantation for Intracranial Aneurysms: A Link to Acquired von Willebrand Disease?. <i>American Journal of Neuroradiology</i> , 2020, 41, 140-146.	1.2	5
175	Mucins and the Microbiome. <i>Annual Review of Biochemistry</i> , 2020, 89, 769-793.	5.0	184
176	Low temperature induces von-willebrand factor expression via increased early growth response 1 transcriptional activity in splenic sinusoidal endothelial cells. <i>Biochemical and Biophysical Research Communications</i> , 2020, 526, 239-245.	1.0	6
177	Flow-diverting stent and delayed intracranial bleeding: the case for discussing acquired von Willebrand disease. <i>Platelets</i> , 2021, 32, 432-435.	1.1	1
178	Sec22b determines Weibel-Palade body length by controlling anterograde ER-Golgi transport. <i>Haematologica</i> , 2021, 106, 1138-1147.	1.7	17
179	Mesoscale biosimulations within a unified framework: from proteins to plasmids. <i>Molecular Simulation</i> , 2021, 47, 101-112.	0.9	2
180	Shear-Induced Adhesion of Alternating Peptides Prepared by Ugi Four-Component Reaction. <i>Macromolecular Rapid Communications</i> , 2021, 42, e2000480.	2.0	5
181	Disulfide exchange in multimerization of von Willebrand factor and gel-forming mucins. <i>Blood</i> , 2021, 137, 1263-1267.	0.6	14
182	The novel findings of HLA loci predisposing to immune-mediated TTP in Japanese. <i>Japanese Journal of Thrombosis and Hemostasis</i> , 2021, 32, 513-519.	0.1	0
183	Fungal Wound Healing through Instantaneous Protoplasmic Gelation. <i>Current Biology</i> , 2021, 31, 271-282.e5.	1.8	7

#	ARTICLE	IF	CITATIONS
184	Engineering extracellular vesicles with platelet membranes fusion enhanced targeted therapeutic angiogenesis in a mouse model of myocardial ischemia reperfusion. <i>Theranostics</i> , 2021, 11, 3916-3931.	4.6	44
185	Gene Therapy for Inherited Bleeding Disorders. <i>Seminars in Thrombosis and Hemostasis</i> , 2021, 47, 161-173.	1.5	11
186	Characterization of ADAMTS13 and von Willebrand factor levels in septic and non-septic ICU patients. <i>PLoS ONE</i> , 2021, 16, e0247017.	1.1	11
187	Loss of Stability of the Blood Liquid State and Assessment of Shear-Induced Thrombosis Risk. <i>Radiophysics and Quantum Electronics</i> , 2021, 63, 804-825.	0.1	1
188	Mechanical Forces Impacting Cleavage of Von Willebrand Factor in Laminar and Turbulent Blood Flow. <i>Fluids</i> , 2021, 6, 67.	0.8	6
190	Von Willebrand disease type 2N: An update. <i>Journal of Thrombosis and Haemostasis</i> , 2021, 19, 909-916.	1.9	14
191	Intradimer forces and their implication for conformations of von Willebrand factor multimers. <i>Biophysical Journal</i> , 2021, 120, 899-911.	0.2	6
192	Influence of Hepatocellular Carcinoma on Platelet Aggregation in Cirrhosis. <i>Cancers</i> , 2021, 13, 1150.	1.7	21
193	It takes two to thrombosis: Hemolysis and complement. <i>Blood Reviews</i> , 2021, 50, 100834.	2.8	19
194	Activation of von Willebrand factor via mechanical unfolding of its discontinuous autoinhibitory module. <i>Nature Communications</i> , 2021, 12, 2360.	5.8	30
195	Crystal structure of ADAMTS13 CUB domains reveals their role in global latency. <i>Science Advances</i> , 2021, 7, .	4.7	24
196	Predicting pathological von Willebrand factor unraveling in elongational flow. <i>Biophysical Journal</i> , 2021, 120, 1903-1915.	0.2	12
197	Shear Stress Accumulation Enhances von Willebrand Factor-Induced Platelet P-Selectin Translocation in a PI3K/Akt Pathway-Dependent Manner. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 642108.	1.8	8
198	Combined effects of plasma von Willebrand factor and platelet measures on the risk of incident venous thromboembolism. <i>Blood</i> , 2021, 138, 2269-2277.	0.6	13
199	The IgGfc-binding protein FCGBP is secreted with all GDPH sequences cleaved but maintained by interfragment disulfide bonds. <i>Journal of Biological Chemistry</i> , 2021, 297, 100871.	1.6	20
200	Phage display broadly identifies inhibitor-reactive regions in von Willebrand factor. <i>Journal of Thrombosis and Haemostasis</i> , 2021, 19, 2702-2709.	1.9	4
201	Secretome and Tunneling Nanotubes: A Multilevel Network for Long Range Intercellular Communication between Endothelial Cells and Distant Cells. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7971.	1.8	9
202	Strong association between insufficient plasma exchange and fatal outcomes in Japanese patients with immune-mediated thrombotic thrombocytopenic purpura. <i>International Journal of Hematology</i> , 2021, 114, 415-423.	0.7	7

#	ARTICLE	IF	CITATIONS
203	Methods for diagnosing endothelial dysfunction. Bulletin of Siberian Medicine, 2021, 20, 202-209.	0.1	2
204	Commonly used anti-von Willebrand factor antibody for multimer analysis cross-reacts with fibronectin, which is difficult to distinguish from von Willebrand factor. Research and Practice in Thrombosis and Haemostasis, 2021, 5, e12598.	1.0	2
205	A Continuum Model for the Unfolding of von Willebrand Factor. Annals of Biomedical Engineering, 2021, 49, 2646-2658.	1.3	10
206	Quantitative 3D microscopy highlights altered von Willebrand factor granule storage in patients with von Willebrand disease with distinct pathogenic mechanisms. Research and Practice in Thrombosis and Haemostasis, 2021, 5, e12595.	1.0	7
207	Protein nanomechanics in biological context. Biophysical Reviews, 2021, 13, 435-454.	1.5	21
208	GDP/GTP exchange factor MADD drives activation and recruitment of secretory Rab GTPases to Weibel-Palade bodies. Blood Advances, 2021, 5, 5116-5127.	2.5	14
209	Unraveling Kinetics of Collapsed Polymers in Extensional Flow. Macromolecules, 2021, 54, 8259-8269.	2.2	3
210	Tissue dynamics of Von Willebrand factor characterized by a novel fluorescent protein-Von Willebrand factor chimera. Journal of Thrombosis and Haemostasis, 2021, , .	1.9	0
211	Multiphase continuum modeling of thrombosis in aneurysms and recirculation zones. Physics of Fluids, 2021, 33, .	1.6	12
212	Desialylation of O-glycans activates von Willebrand factor by destabilizing its autoinhibitory module. Journal of Thrombosis and Haemostasis, 2022, 20, 196-207.	1.9	5
213	Endothelial Dysfunction, Atherosclerosis, and Increase of von Willebrand Factor and Factor VIII: A Randomized Controlled Trial in Swine. Thrombosis and Haemostasis, 2021, 121, 676-686.	1.8	11
214	Acquired Thrombotic Thrombocytopenic Purpura. , 2015, , 91-128.		2
215	Multiscale Modeling of Blood Flow-Mediated Platelet Thrombosis. , 2020, , 2667-2698.		2
217	Bleeding in critical care associated with left ventricular assist devices: pathophysiology, symptoms, and management. Hematology American Society of Hematology Education Program, 2019, 2019, 88-96.	0.9	19
218	A common mechanism by which type 2A von Willebrand disease mutations enhance ADAMTS13 proteolysis revealed with a von Willebrand factor A2 domain FRET construct. PLoS ONE, 2017, 12, e0188405.	1.1	9
219	Von Willebrand factor. HERALD of North-Western State Medical University Named After I I Mechnikov, 2018, 10, 73-80.	0.1	9
220	Cooperative unfolding of distinctive mechanoreceptor domains transduces force into signals. ELife, 2016, 5, .	2.8	66
221	Evolutionary Insights into the Microneme-Secreted, Chitinase-Containing High-Molecular-Weight Protein Complexes Involved in Plasmodium Invasion of the Mosquito Midgut. Infection and Immunity, 2022, 90, IA0031421.	1.0	5

#	ARTICLE	IF	CITATIONS
222	The Effects of Micro-vessel Curvature Induced Elongational Flows on Platelet Adhesion. <i>Annals of Biomedical Engineering</i> , 2021, 49, 3609.	1.3	10
223	SCO-spondin, a giant matricellular protein that regulates cerebrospinal fluid activity. <i>Fluids and Barriers of the CNS</i> , 2021, 18, 45.	2.4	10
224	Molecular diagnosis of TTP. <i>Japanese Journal of Thrombosis and Hemostasis</i> , 2014, 25, 689-696.	0.1	0
225	Function and structure of von Willebrand factor's mechanical interaction between A1 domain and GPIb-IX-V. <i>Japanese Journal of Thrombosis and Hemostasis</i> , 2015, 26, 557-561.	0.1	0
226	Subsequent Response of VWF and ADAMTS13 to Aortic Valve Replacement. <i>Journal of Atherosclerosis and Thrombosis</i> , 2016, 23, 1141-1143.	0.9	1
227	Structure and function of von Willebrand factor: The role of C-terminal cystine knot and von Willebrand factor C domains. <i>Japanese Journal of Thrombosis and Hemostasis</i> , 2017, 28, 64-69.	0.1	0
228	Review of von Willebrand Disease and Perioperative Management in Dentistry. , 2018, , 27-32.		0
231	Von Willebrand Factor and ABO Blood Group. <i>Trends in Glycoscience and Glycotechnology</i> , 2020, 32, E151-E156.	0.0	1
232	Structure prediction of honey bee vitellogenin: a multi-domain protein important for insect immunity. <i>FEBS Open Bio</i> , 2022, 12, 51-70.	1.0	11
233	The <i>Angiostrongylus vasorum</i> Excretory/Secretory and Surface Proteome Contains Putative Modulators of the Host Coagulation. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 753320.	1.8	8
234	Von Willebrand factor: structure, properties and role in the process of hemostasis. <i>Visnyk L'vivs'koho Universytetu Serii Biologichna</i> , 2021, , 3-13.	0.0	0
235	¿Cuáles avances recientes hay en el entendimiento, diagnóstico y tratamiento de la enfermedad de Von Willebrand?: una revisión de la literatura. <i>Revista Universitas Medica</i> , 2020, 61, .	0.0	0
236	Von Willebrand Factor and ABO Blood Group. <i>Trends in Glycoscience and Glycotechnology</i> , 2020, 32, J127-J131.	0.0	0
238	Biomarkers of coagulation and fibrinolysis in acute myocardial infarction: a joint position paper of the Association for Acute Cardiovascular Care and the European Society of Cardiology Working Group on Thrombosis. <i>European Heart Journal: Acute Cardiovascular Care</i> , 2021, 10, 343-355.	0.4	9
239	Fibrin to von Willebrand factor ratio in arterial thrombi is associated with plasma levels of inflammatory biomarkers and local abundance of extracellular DNA. <i>Thrombosis Research</i> , 2022, 209, 8-15.	0.8	4
240	Platelets. <i>JACC Basic To Translational Science</i> , 2021, 6, 1007-1020.	1.9	7
241	Exposure of Von Willebrand Factor Cleavage Site in A1A2A3-Fragment under Extreme Hydrodynamic Shear. <i>Polymers</i> , 2021, 13, 3912.	2.0	10
242	Von Willebrand disease type 2M: Correlation between genotype and phenotype. <i>Journal of Thrombosis and Haemostasis</i> , 2022, 20, 316-327.	1.9	5

#	ARTICLE	IF	CITATIONS
244	Osteoprotegerin modulates platelet adhesion to von Willebrand factor during release from endothelial cells. <i>Journal of Thrombosis and Haemostasis</i> , 2022, 20, 755-766.	1.9	7
245	Targeting shear gradient activated von Willebrand factor by the novel single-chain antibody A1 reduces occlusive thrombus formation <i>in vitro</i>. <i>Haematologica</i> , 2021, 106, 2874-2884.	1.7	8
246	Impact of ABO Blood Group on the Development of Venous Thromboembolism in Children With Cancer: A Systematic Review and Meta-Analysis. <i>Journal of Pediatric Hematology/Oncology</i> , 2021, 43, 216-223.	0.3	1
248	Contribution of the von Willebrand factor/ADAMTS13 imbalance to COVID-19 coagulopathy. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2022, 322, H87-H93.	1.5	19
249	A novel mouse model of type 2N VWD was developed by CRISPR/Cas9 gene editing and recapitulates human type 2N VWD. <i>Blood Advances</i> , 2022, 6, 2778-2790.	2.5	1
250	Recent Advances and Emerging Challenges in the Molecular Modeling of Mechanobiological Processes. <i>Journal of Physical Chemistry B</i> , 2022, 126, 1365-1374.	1.2	14
251	Structural basis of von Willebrand factor multimerization and tubular storage. <i>Blood</i> , 2022, 139, 3314-3324.	0.6	15
252	The N-terminal autoinhibitory module of the A1 domain in von Willebrand factor stabilizes the mechanosensor catch bond. <i>RSC Chemical Biology</i> , 2022, 3, 707-720.	2.0	10
253	Biomarkers for Transient Ischemic Attack: A Brief Perspective of Current Reports and Future Horizons. <i>Journal of Clinical Medicine</i> , 2022, 11, 1046.	1.0	4
254	Structural mechanism of VWF Dâ€™D3 dimer formation. <i>Cell Discovery</i> , 2022, 8, 14.	3.1	5
256	Dispatch and delivery at the ERâ€™Golgi interface: how endothelial cells tune their hemostatic response. <i>FEBS Journal</i> , 2022, 289, 6863-6870.	2.2	11
257	Platelet degranulation and bleeding phenotype in a large cohort of Von Willebrand disease patients. <i>British Journal of Haematology</i> , 2022, 197, 497-501.	1.2	3
258	Molecular pathogenesis and heterogeneity in type 3 VWD families in U.S. Zimmerman program. <i>Journal of Thrombosis and Haemostasis</i> , 2022, 20, 1576-1588.	1.9	5
259	Helical self-assembly of a mucin segment suggests an evolutionary origin for von Willebrand factor tubules. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2116790119.	3.3	10
260	Engineered Molecular Therapeutics Targeting Fibrin and the Coagulation System: a Biophysical Perspective. <i>Biophysical Reviews</i> , 2022, 14, 427-461.	1.5	8
261	Von Willebrand factor and disease: a review for laboratory professionals. <i>Critical Reviews in Clinical Laboratory Sciences</i> , 2022, 59, 241-256.	2.7	5
262	Effect of pulsatility on shearâ€™induced extensional behavior of Von Willebrand factor. <i>Artificial Organs</i> , 2022, 46, 887-898.	1.0	10
263	Single-molecule imaging of von Willebrand factor reveals tension-dependent self-association. <i>Blood</i> , 2021, 138, 2425-2434.	0.6	8

#	ARTICLE	IF	CITATIONS
264	VWF self-association requires tensile force. <i>Blood</i> , 2021, 138, 2309-2310.	0.6	0
278	Phenotypic and genetic characterizations of the Milan cohort of von Willebrand disease type 2. <i>Blood Advances</i> , 2022, 6, 4031-4040.	2.5	5
279	The Von Willebrand factor-ADAMTS-13 axis: a two-faced Janus in bleeding and thrombosis. , 2022, 1, .		0
280	Von Willebrand factor A1 domain stability and affinity for GPIb \pm are differentially regulated by its O-glycosylated N- and C-linker. <i>ELife</i> , 2022, 11, .	2.8	3
281	The Power of Touch: Type 4 Pili, the von Willebrand A Domain, and Surface Sensing by <i>Pseudomonas aeruginosa</i> . <i>Journal of Bacteriology</i> , 2022, 204, .	1.0	19
283	Signaling mechanisms of the platelet glycoprotein Ib-IX complex. <i>Platelets</i> , 2022, 33, 823-832.	1.1	6
284	The soluble N-terminal autoinhibitory module of the A1 domain in von Willebrand factor partially suppresses its catch bond with glycoprotein Ib \pm in a sandwich complex. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 14857-14865.	1.3	2
285	Molecular interpretation of single-molecule force spectroscopy experiments with computational approaches. <i>Chemical Communications</i> , 2022, 58, 7110-7119.	2.2	5
286	Identification of von Willebrand factor D4 domain mutations in patients of Afro-Caribbean descent: In vitro characterization. <i>Research and Practice in Thrombosis and Haemostasis</i> , 2022, 6, e12737.	1.0	1
287	èĳĕæµâ%â^†âŠâ ⁻¹ ADAMTS13â€™ĈVWFĉ,ä’âĳ/2œç””ĉš,,âĳ/2±â“ĉ; Chinese Science Bulletin, 2022, , .	0.4	0
288	Acidification of endothelial Weibel-Palade bodies is mediated by the vacuolar-type H ⁺ -ATPase. <i>PLoS ONE</i> , 2022, 17, e0270299.	1.1	4
289	Structures of VWF tubules before and after concatemerization reveal a mechanism of disulfide bond exchange. <i>Blood</i> , 2022, 140, 1419-1430.	0.6	10
290	Thermodynamic stabilization of von Willebrand factor <sc>A1</sc> domain induces protein loss of function. <i>Proteins: Structure, Function and Bioinformatics</i> , 2022, 90, 2058-2066.	1.5	0
291	Thromboinflammation: From Atherosclerosis to COVID-19. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2022, 42, 1103-1112.	1.1	31
293	Autoinhibitory module underlies species difference in shear activation of von Willebrand factor. <i>Journal of Thrombosis and Haemostasis</i> , 0, , .	1.9	0
294	High levels of von Willebrand factor with reduced specific activities in hospitalized patients with or without COVID-19. <i>Journal of Thrombosis and Thrombolysis</i> , 2022, 54, 211-216.	1.0	2
295	Subunit Flexibility of Multimeric von Willebrand Factor/Factor VIII Complexes. <i>ACS Omega</i> , 0, , .	1.6	1
297	Acquired von Willebrand syndrome and hemocompatibility-related adverse events in patients with left ventricular assist device. <i>Journal of Biorheology</i> , 2022, 36, 12-22.	0.2	0

#	ARTICLE	IF	CITATIONS
298	Blood Rheology and Biomedical Implications. , 2022, , 1-40.		0
299	Multimerization and secretion of von Willebrand factor. Japanese Journal of Thrombosis and Hemostasis, 2022, 33, 386-393.	0.1	0
300	Computations of the shear stresses distribution experienced by passive particles as they circulate in turbulent flow: A case study for vWF protein molecules. PLoS ONE, 2022, 17, e0273312.	1.1	1
301	Conformation of von Willebrand factor in shear flow revealed with stroboscopic single-molecule imaging. Blood, 2022, 140, 2490-2499.	0.6	5
302	Assembly of von Willebrand factor tubules with inÂvivo helical parameters requires A1 domain insertion. Blood, 2022, 140, 2835-2843.	0.6	2
303	A conformational transition of the Dâ€²D3 domain primes von Willebrand factor for multimerization. Blood Advances, 2022, 6, 5198-5209.	2.5	3
304	Development of Alternating Copolymerization of Peptides and Exploration of the Function of Alternating Sequences. Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry, 2022, 80, 941-951.	0.0	0
305	von Willebrand factor unfolding mediates platelet deposition in a model of high-shear thrombosis. Biophysical Journal, 2022, 121, 4033-4047.	0.2	6
306	O-glycosylation and its role in therapeutic proteins. Bioscience Reports, 2022, 42, .	1.1	11
307	Replica-Averaging: An algorithm to study mechano-reactive processes for polymers under flow conditions.. Journal of Chemical Physics, 0, , .	1.2	1
308	Inherited ADAMTS13 mutations associated with Thrombotic Thrombocytopenic Purpura: a short review and update. Platelets, 2023, 34, .	1.1	1
310	Endothelial dysfunction markers and immune response indices in cosmonautsâ€™ blood after long-duration space flights. Npj Microgravity, 2022, 8, .	1.9	1
311	Study of the relation between plasma level of von Willebrand factor and diabetic retinopathy in type 2 diabetes. International Journal of Diabetes in Developing Countries, 0, , .	0.3	0
312	Practical key points of VWF multimer analysis. Japanese Journal of Thrombosis and Hemostasis, 2022, 33, 707-711.	0.1	0
313	Acquired von Willebrand Syndrome Secondary to Normally Functioning Mechanical Aortic Valve and High-Output Cardiac State. Journal of Cardiovascular Development and Disease, 2022, 9, 454.	0.8	1
314	Gastrointestinal bleeding during the transcatheter aortic valve replacement perioperative period: A Review. Medicine (United States), 2022, 101, e31953.	0.4	0
315	A nanobody against the von Willebrand factor A3-domain detects ADAMTS13-induced proteolysis in congenital & acquired VWD. Blood, 0, , .	0.6	1
316	Different Molecular Forms of TFF3 in the Human Respiratory Tract: Heterodimerization with IgG Fc Binding Protein (FCGBP) and Proteolytic Cleavage in Bronchial Secretions. International Journal of Molecular Sciences, 2022, 23, 15359.	1.8	5

#	ARTICLE	IF	CITATIONS
317	Von Willebrand factor in diagnostics and treatment of cardiovascular disease: Recent advances and prospects. <i>Frontiers in Cardiovascular Medicine</i> , 0, 9, .	1.1	3
318	Structural hierarchy of mechanical extensibility in human von Willebrand factor multimers. <i>Protein Science</i> , 0, , .	3.1	1
319	pH-Dependent Conformation of Multimeric von Willebrand Factor. <i>Blood Advances</i> , 0, , .	2.5	0
320	Removal of the vicinal disulfide enhances the platelet-capturing function of von Willebrand factor. <i>Blood</i> , 2023, 141, 1469-1473.	0.6	2
321	Biomechanical activation of blood platelets via adhesion to von Willebrand factor studied with mesoscopic simulations. <i>Biomechanics and Modeling in Mechanobiology</i> , 2023, 22, 785-808.	1.4	6
322	Type 2B von Willebrand disease mutations differentially perturb autoinhibition of the A1 domain. <i>Blood</i> , 0, , .	0.6	1
324	Genetic determinants of enhanced von Willebrand factor clearance from plasma. <i>Journal of Thrombosis and Haemostasis</i> , 2023, 21, 1112-1122.	1.9	1
325	Quantitative super-resolution imaging of platelet degranulation reveals differential release of von Willebrand factor and von Willebrand factor propeptide from alpha-granules. <i>Journal of Thrombosis and Haemostasis</i> , 2023, 21, 1967-1980.	1.9	0
326	Recent advances in sensing the inter-biomolecular interactions at the nanoscale – A comprehensive review of AFM-based force spectroscopy. <i>International Journal of Biological Macromolecules</i> , 2023, 238, 124089.	3.6	25
327	Altered Storage and Function of von Willebrand Factor in Human Cardiac Microvascular Endothelial Cells Isolated from Recipient Transplant Hearts. <i>International Journal of Molecular Sciences</i> , 2023, 24, 4553.	1.8	1
328	Review of our Current Understanding of ADAMTS13 and Von Willebrand Factor in Sepsis and Other Critical Illnesses. <i>Biomarkers in Disease</i> , 2023, , 709-728.	0.0	0
329	Keeping it together. <i>Blood</i> , 2023, 141, 1374-1376.	0.6	0
330	Metalloprotease domain latency protects ADAMTS13 against broad-spectrum inhibitors of metalloproteases while maintaining activity toward VWF. <i>Journal of Thrombosis and Haemostasis</i> , 2023, 21, 1789-1801.	1.9	0
331	The intestinal MUC2 mucin C-terminus is stabilized by an extra disulfide bond in comparison to von Willebrand factor and other gel-forming mucins. <i>Nature Communications</i> , 2023, 14, .	5.8	5
332	Disulfide bond reduction and exchange in C4 domain of von Willebrand factor undermines platelet binding. <i>Journal of Thrombosis and Haemostasis</i> , 2023, 21, 2089-2100.	1.9	1
334	Structural insights into regulation of CCN protein activities and functions. <i>Journal of Cell Communication and Signaling</i> , 2023, 17, 371-390.	1.8	1
335	Simulating Initial Steps of Platelet Aggregate Formation in Cellular Blood Flow Environment. <i>Lecture Notes in Computer Science</i> , 2023, , 323-336.	1.0	0
339	Latex Agglutination Method for Determination of von Willebrand Factor Antigen in Patients with Bleeding Disorders. , 2023, , 159-164.		0

#	ARTICLE	IF	CITATIONS
342	Molecular mechanisms of catch bonds and their implications for platelet hemostasis. Biophysical Reviews, 2023, 15, 1233-1256.	1.5	2
345	Personalized medicine for disorders of hemostasis and thrombosis. , 2024, , 643-653.		0