

Volker Huck

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,071
citations

393982

19
h-index

414034

32
g-index

45
all docs

45
docs citations

45
times ranked

1791
citing authors

#	ARTICLE	IF	CITATIONS
1	von Willebrand Factor Directly Interacts With DNA From Neutrophil Extracellular Traps. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014, 34, 1382-1389.	1.1	129
2	Skin Barriers in Dermal Drug Delivery: Which Barriers Have to Be Overcome and How Can We Measure Them?. <i>Pharmaceutics</i> , 2020, 12, 684.	2.0	97
3	The various states of von Willebrand factor and their function in physiology and pathophysiology. <i>Thrombosis and Haemostasis</i> , 2014, 111, 598-609.	1.8	71
4	Blood-clotting-inspired reversible polymerâ€“colloid composite assembly in flow. <i>Nature Communications</i> , 2013, 4, 1333.	5.8	65
5	Force-Sensitive Autoinhibition of the von Willebrand Factor Is Mediated by Interdomain Interactions. <i>Biophysical Journal</i> , 2015, 108, 2312-2321.	0.2	64
6	Monocyte Induction of E-Selectinâ€“Mediated Endothelial Activation Releases VE-Cadherin Junctions to Promote Tumor Cell Extravasation in the Metastasis Cascade. <i>Cancer Research</i> , 2016, 76, 5302-5312.	0.4	61
7	Highly Invasive Melanoma Cells Activate the Vascular Endothelium via an MMP-2/Integrin $\alpha 5 \beta 1$ -Induced Secretion of VEGF-A. <i>American Journal of Pathology</i> , 2012, 181, 693-705.	1.9	52
8	From morphology to biochemical stateâ€“in vivo intravital multiphoton fluorescence lifetime imaging of inflamed human skin. <i>Scientific Reports</i> , 2016, 6, 22789.	1.6	52
9	Microfluidic reveals generation of platelet-strings on tumor-activated endothelium. <i>Thrombosis and Haemostasis</i> , 2007, 98, 283-286.	1.8	45
10	Margination and stretching of von Willebrand factor in the blood stream enable adhesion. <i>Scientific Reports</i> , 2017, 7, 14278.	1.6	42
11	In vitro inhibition of SKOV-3 cell migration as a distinctive feature of progesterone receptor membrane component type 2 versus type 1. <i>Steroids</i> , 2012, 77, 1543-1550.	0.8	36
12	Delay of acute intracellular pH recovery after acidosis decreases endothelial cell activation. <i>Journal of Cellular Physiology</i> , 2007, 211, 399-409.	2.0	32
13	von Willebrand disease type 2A phenotypes IIC, IID and IIE: A day in the life of shear-stressed mutant von Willebrand factor. <i>Thrombosis and Haemostasis</i> , 2014, 112, 96-108.	1.8	31
14	Cultivation in Human Serum Reduces Adipose Tissue-Derived Mesenchymal Stromal Cell Adhesion to Laminin and Endothelium and Reduces Capillary Entrapment. <i>Stem Cells and Development</i> , 2013, 22, 791-803.	1.1	29
15	Human mesenchymal stromal cells inhibit platelet activation and aggregation involving CD73-converted adenosine. <i>Stem Cell Research and Therapy</i> , 2018, 9, 184.	2.4	28
16	Desmoglein 2 Depletion Leads to Increased Migration and Upregulation of the Chemoattractant Secretoneurin in Melanoma Cells. <i>PLoS ONE</i> , 2014, 9, e89491.	1.1	25
17	The von Willebrand factor Tyr2561 allele is a gain-of-function variant and a risk factor for early myocardial infarction. <i>Blood</i> , 2019, 133, 356-365.	0.6	24
18	Melanomaâ€“derived <i>IL-1</i> converts vascular endothelium to a proinflammatory and procoagulatory phenotype via <i>NF-κB</i> activation. <i>Experimental Dermatology</i> , 2014, 23, 670-676.	1.4	23

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19	Microfluidic reveals generation of platelet-strings on tumor-activated endothelium. <i>Thrombosis and Haemostasis</i> , 2007, 98, 283-6.	1.8	22
20	Mechanism and functional impact of CD40 ligand-induced von Willebrand factor release from endothelial cells. <i>Thrombosis and Haemostasis</i> , 2015, 113, 1095-1108.	1.8	20
21	Cellular stress induces erythrocyte assembly on intravascular von Willebrand factor strings and promotes microangiopathy. <i>Scientific Reports</i> , 2018, 8, 10945.	1.6	19
22	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
23	Circulating but not immobilized N-deglycosylated von Willebrand factor increases platelet adhesion under flow conditions. <i>Biomicrofluidics</i> , 2013, 7, 44124.	1.2	11
24	Multiphotonic staging of chronic wounds and evaluation of sterile, optical transparent bacterial nanocellulose covering: A diagnostic window into human skin. <i>Skin Research and Technology</i> , 2019, 25, 68-78.	0.8	10
25	5D-intravital tomography as a novel tool for non-invasive in-vivo analysis of human skin. , 2010, , .		7
26	Intravital multiphoton tomography as a novel tool for non-invasive in vivo analysis of human skin affected with atopic dermatitis. <i>Proceedings of SPIE</i> , 2010, , .	0.8	5
27	Development of a novel two-channel microfluidic system for biomedical applications in cancer research. <i>Biomedizinische Technik</i> , 2012, 57, .	0.9	5
28	Platelet adhesion and aggregate formation controlled by immobilised and soluble VWF. <i>BMC Molecular and Cell Biology</i> , 2020, 21, 64.	1.0	5
29	A comparative study of different instrumental concepts for spectrally and lifetime-resolved multiphoton intravital tomography (5D-IVT) in dermatological applications. , 2010, , .		3
30	Intravital multiphoton tomography as an appropriate tool for non-invasive in vivo analysis of human skin affected with atopic dermatitis. <i>Proceedings of SPIE</i> , 2011, , .	0.8	3
31	Gain-of-Function Variant p.Pro2555Arg of von Willebrand Factor Increases Aggregate Size through Altering Stem Dynamics. <i>Thrombosis and Haemostasis</i> , 2020, , .	1.8	3
32	Monitoring wound healing by multiphoton tomography/endoecopy. <i>Proceedings of SPIE</i> , 2015, , .	0.8	2
33	22 Bedside assessment of multiphoton tomography. , 2018, , 425-444.		2
34	Biological and psychosocial factors associated with the persistence of pruritus symptoms: protocol for a prospective, exploratory observational study in Germany (individual project of the) Tj ETQq0 0 0 rgBT /Overlook 1.10 Tf 50 1137 Td (In	1.1	2
35	Mechanosensitive Von Willebrand Factor Protein-Protein Interactions Regulate Hemostasis. <i>Biophysical Journal</i> , 2015, 108, 505a.	0.2	1
36	From morphology to clinical pathophysiology: multiphoton fluorescence lifetime imaging at patients' bedside. , 2017, , .		1

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37	The Von Willebrand Factor Tyr2561 Allele Is a Gain-of-Function Variant and a Potential Risk Factor for Early Myocardial Infarction. <i>Blood</i> , 2018, 132, 2459-2459.	0.6	1
38	Investigation of endothelial growth using a sensors-integrated microfluidic system to simulate physiological barriers. <i>Current Directions in Biomedical Engineering</i> , 2015, 1, 14-17.	0.2	0
39	Functional and Structural Properties of the 2nd Gain-of-Function Variant in the C4 Domain of von Willebrand Factor. <i>Hamostaseologie</i> , 2020, 40, .	0.9	0
40	In Vivo Visualization of Tattoo Particles Using Multiphoton Tomography and Fluorescence Lifetime Imaging. <i>Experimental Dermatology</i> , 0, , .	1.4	0