

# Tilman M Hackeng

## List of Publications by Year in descending order

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69  
papers

3,547  
citations

236912

25  
h-index

138468

58  
g-index

73  
all docs

73  
docs citations

73  
times ranked

4725  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nucleophilic Catalysis of Oxime Ligation. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 7581-7584.	13.8	440
2	Disrupting functional interactions between platelet chemokines inhibits atherosclerosis in hyperlipidemic mice. <i>Nature Medicine</i> , 2009, 15, 97-103.	30.7	404
3	Heterophilic interactions of platelet factor 4 and RANTES promote monocyte arrest on endothelium. <i>Blood</i> , 2005, 105, 924-930.	1.4	338
4	Protein S stimulates inhibition of the tissue factor pathway by tissue factor pathway inhibitor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 3106-3111.	7.1	290
5	Endotoxemia Accelerates Atherosclerosis Through Electrostatic Charge-Mediated Monocyte Adhesion. <i>Circulation</i> , 2021, 143, 254-266.	1.6	266
6	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
7	Chemokine interactome mapping enables tailored intervention in acute and chronic inflammation. <i>Science Translational Medicine</i> , 2017, 9, .	12.4	121
8	Reduced Vitamin K Status as a Potentially Modifiable Risk Factor of Severe Coronavirus Disease 2019. <i>Clinical Infectious Diseases</i> , 2021, 73, e4039-e4046.	5.8	93
9	Recruitment of classical monocytes can be inhibited by disturbing heteromers of neutrophil HNP1 and platelet CCL5. <i>Science Translational Medicine</i> , 2015, 7, 317ra196.	12.4	90
10	Noncanonical inhibition of caspase-3 by a nuclear microRNA confers endothelial protection by autophagy in atherosclerosis. <i>Science Translational Medicine</i> , 2020, 12, .	12.4	88
11	Prothrombin Loading of Vascular Smooth Muscle Cell-Derived Exosomes Regulates Coagulation and Calcification. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2017, 37, e22-e32.	2.4	80
12	Intra- and intermolecular interactions of human galectin-3: assessment by full-assignment-based NMR. <i>Glycobiology</i> , 2016, 26, 888-903.	2.5	66
13	Blocking CCL5-CXCL4 heteromerization preserves heart function after myocardial infarction by attenuating leukocyte recruitment and NETosis. <i>Scientific Reports</i> , 2018, 8, 10647.	3.3	63
14	Omniligase-1: A Powerful Tool for Peptide Head-to-Tail Cyclization. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 2050-2055.	4.3	62
15	Binding of polysaccharides to human galectin-3 at a noncanonical site in its carbohydrate recognition domain. <i>Glycobiology</i> , 2016, 26, 88-99.	2.5	59
16	Coated platelets function in platelet-dependent fibrin formation via integrin $\alpha$ IIb $\beta$ 3 and transglutaminase factor XIII. <i>Haematologica</i> , 2016, 101, 427-436.	3.5	57
17	Oxime conjugation in protein chemistry: from carbonyl incorporation to nucleophilic catalysis. <i>Journal of Peptide Science</i> , 2016, 22, 271-279.	1.4	52
18	Purified Protein S Contains Multimeric Forms with Increased APC-Independent Anticoagulant Activity. <i>Biochemistry</i> , 2001, 40, 8852-8860.	2.5	43

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19	Oxime Catalysis by Freezing. <i>Bioconjugate Chemistry</i> , 2016, 27, 42-46.	3.6	40
20	Characterization of an autosomal dominant bleeding disorder caused by a thrombomodulin mutation. <i>Blood</i> , 2015, 125, 1497-1501.	1.4	39
21	Detection of Localized Hepatocellular Amino Acid Kinetics by using Mass Spectrometry Imaging of Stable Isotopes. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 7146-7150.	13.8	34
22	A novel approach for the intravenous delivery of leuprolide using core-cross-linked polymeric micelles. <i>Journal of Controlled Release</i> , 2015, 205, 98-108.	9.9	30
23	Targeted vaccination against the bevacizumab binding site on VEGF using 3D-structured peptides elicits efficient antitumor activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 12532-12537.	7.1	30
24	Structure-Based Design of Peptidic Inhibitors of the Interaction between CC Chemokine Ligand 5 (CCL5) and Human Neutrophil Peptides 1 (HNP1). <i>Journal of Medicinal Chemistry</i> , 2016, 59, 4289-4301.	6.4	28
25	Extracellular vimentin mimics VEGF and is a target for anti-angiogenic immunotherapy. <i>Nature Communications</i> , 2022, 13, .	12.8	27
26	Molecular imaging of angiogenesis after myocardial infarction by <sup>111</sup> In-DTPA-cNGR and <sup>99m</sup> Tc-sestamibi dual-isotope myocardial SPECT. <i>EJNMMI Research</i> , 2015, 5, 2.	2.5	24
27	The Kunitz 1 and Kunitz 3 domains of tissue factor pathway inhibitor are required for efficient inhibition of factor Xa. <i>Thrombosis and Haemostasis</i> , 2012, 108, 266-276.	3.4	23
28	Partial <i>F8</i> gene duplication (factor VIII Padua) associated with high factor VIII levels and familial thrombophilia. <i>Blood</i> , 2021, 137, 2383-2393.	1.4	20
29	Factor V Has Anticoagulant Activity in Plasma in the Presence of TFP1±: Difference between FV1 and FV2. <i>Thrombosis and Haemostasis</i> , 2018, 118, 1194-1202.	3.4	18
30	Synthesis of Constrained Tetracyclic Peptides by Consecutive CEPS, CLIPS, and Oxime Ligation. <i>Organic Letters</i> , 2019, 21, 2095-2100.	4.6	18
31	Mass spectrometry imaging of L-[ring- <sup>13</sup> C <sub>6</sub> ]-labeled phenylalanine and tyrosine kinetics in non-small cell lung carcinoma. <i>Cancer &amp; Metabolism</i> , 2021, 9, 26.	5.0	18
32	Tick saliva protein Evasin-3 modulates chemotaxis by disrupting CXCL8 interactions with glycosaminoglycans and CXCR2. <i>Journal of Biological Chemistry</i> , 2019, 294, 12370-12379.	3.4	17
33	Platelet protein S limits venous but not arterial thrombosis propensity by controlling coagulation in the thrombus. <i>Blood</i> , 2020, 135, 1969-1982.	1.4	17
34	Chemoselective Oxime Reactions in Proteins and Peptides by Using an Optimized Oxime Strategy: The Demise of Levulinic Acid. <i>ChemBioChem</i> , 2013, 14, 2431-2434.	2.6	16
35	Probing Functional Heteromeric Chemokine Protein-Protein Interactions through Conformation-Assisted Oxime Ligation. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 14963-14966.	13.8	16
36	SecScan: a general approach for mapping disulfide bonds in synthetic and recombinant peptides and proteins. <i>Chemical Communications</i> , 2019, 55, 1374-1377.	4.1	15

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37	<i>N</i> <sup>ε</sup> -(thiopropyl)lysine as a handle for site-specific protein conjugation. <i>Biopolymers</i> , 2010, 94, 465-474.	2.4	14
38	Suppressive Role of Tissue Factor Pathway Inhibitor-1 in Platelet-Dependent Fibrin Formation under Flow Is Restricted to Low Procoagulant Strength. <i>Thrombosis and Haemostasis</i> , 2018, 118, 502-513.	3.4	14
39	Potent Cyclic Peptide Inhibitors of FXIIa Discovered by mRNA Display with Genetic Code Reprogramming. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 7853-7876.	6.4	14
40	A One-Pot $\alpha$ -Triple-Cyclization Methodology for the Synthesis of Highly Constrained Isomerically Pure Tetracyclic Peptides. <i>ChemBioChem</i> , 2018, 19, 1934-1938.	2.6	13
41	Added Value of Blood Cells in Thrombin Generation Testing. <i>Thrombosis and Haemostasis</i> , 2021, 121, 1574-1587.	3.4	13
42	Exogenous Integrin $\alpha$ IIb $\beta$ 3 Inhibitors Revisited: Past, Present and Future Applications. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3366.	4.1	13
43	Desymmetrization via Activated Esters Enables Rapid Synthesis of Multifunctional Benzene-1,3,5-tricarboxamides and Creation of Supramolecular Hydrogelators. <i>Journal of the American Chemical Society</i> , 2022, 144, 4057-4070.	13.7	13
44	Platelet full length TFPI-1 in healthy volunteers is not affected by sex or hormonal use. <i>PLoS ONE</i> , 2017, 12, e0168273.	2.5	12
45	Complementary roles of platelet $\alpha$ IIb $\beta$ 3 integrin, phosphatidylserine exposure and cytoskeletal rearrangement in the release of extracellular vesicles. <i>Atherosclerosis</i> , 2020, 310, 17-25.	0.8	12
46	Structural characterization of anti-CCL5 activity of the tick salivary protein evasin-4. <i>Journal of Biological Chemistry</i> , 2020, 295, 14367-14378.	3.4	11
47	Theme 2: Epidemiology, Biomarkers, and Imaging of Venous Thromboembolism (and postthrombotic) Tj ETQq1 1 0,784314 rgBT /Ov	1.7	10
48	Structure-Based Cyclic Glycoprotein $\alpha$ IIb $\beta$ 3-Derived Peptides Interfering with von Willebrand Factor-Binding, Affecting Platelet Aggregation under Shear. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2046.	4.1	10
49	Imaging evidence for endothelin ETA/ETB receptor heterodimers in isolated rat mesenteric resistance arteries. <i>Life Sciences</i> , 2014, 111, 36-41.	4.3	8
50	Molecular basis of anticoagulant and anticomplement activity of the tick salivary protein Salp14 and its homologs. <i>Journal of Biological Chemistry</i> , 2021, 297, 100865.	3.4	7
51	CXCL1 microspheres: a novel tool to stimulate arteriogenesis. <i>Drug Delivery</i> , 2016, 23, 2919-2926.	5.7	6
52	Autophagy unleashes noncanonical microRNA functions. <i>Autophagy</i> , 2020, 16, 2294-2296.	9.1	6
53	Differential Effects of Platelet Factor 4 (CXCL4) and Its Non-Allelic Variant (CXCL4L1) on Cultured Human Vascular Smooth Muscle Cells. <i>International Journal of Molecular Sciences</i> , 2022, 23, 580.	4.1	6
54	Relation between Tissue Factor Pathway Inhibitor Activity and Cardiovascular Risk Factors and Diseases in a Large Population Sample. <i>Thrombosis and Haemostasis</i> , 2021, 121, 174-181.	3.4	5

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55	Development of a Plasma-Based Assay to Measure the Susceptibility of Factor V to Inhibition by the C-Terminus of TFPI±. Thrombosis and Haemostasis, 2020, 120, 055-064.	3.4	4
56	Major bleeding during oral anticoagulant therapy associated with factor V activation by factor Xa. Journal of Thrombosis and Haemostasis, 2022, 20, 328-338.	3.8	4
57	Similar hypercoagulable state and thrombosis risk in type I and type III protein S-deficient individuals from mixed type I/III families. Haematologica, 2010, , .	3.5	2
58	Antisense-Mediated Down-Regulation of Factor V-Short Splicing in a Liver Cell Line Model. Applied Sciences (Switzerland), 2021, 11, 9621.	2.5	2
59	Probing Functional Heteromeric Chemokine Proteinâ€“Protein Interactions through Conformationâ€“Assisted Oxime Ligation. Angewandte Chemie, 2016, 128, 15187-15190.	2.0	1
60	Structureâ€“function of anticoagulant TIXâ€“5, the inhibitor of factor Xaâ€“mediated FV activation. Journal of Thrombosis and Haemostasis, 2021, 19, 1697-1708.	3.8	1
61	TFPI Expresses Anticoagulant Activity Independent Of TF-FVIIa. Blood, 2013, 122, 3563-3563.	1.4	1
62	Molecular Detection of Venous Thrombosis in Mouse Models Using SPECT/CT. Biomolecules, 2022, 12, 829.	4.0	1
63	Strategies for Site-Specific Radiolabeling of Peptides and Proteins. , 0, , .		0
64	TRP channel activation promotes dissociation of ETâ€“1/ET A â€“complexes and terminates vasoconstriction in rat resistance arteries.. FASEB Journal, 2010, 24, 961.7.	0.5	0
65	No Distinct Address and Message Domains Involved in Endothelinâ€“1/ET A â€“mediated Arterial Contractions. FASEB Journal, 2010, 24, 961.6.	0.5	0
66	New Functional Assays to Selectively Quantify APC- and TFPI-Cofactor Activities of Protein S in Plasma. Blood, 2016, 128, 717-717.	1.4	0
67	A Plasma-Based Assay to Measure the Susceptibility of Factor V(a) to Inhibition By TFPI±. Blood, 2018, 132, 1168-1168.	1.4	0
68	Optimization of Thrombin Generation in Hemophilia a. Blood, 2021, 138, 4232-4232.	1.4	0
69	Abstract 14: Small Molecule Inhibitors of the CD40-TRAF6 Interaction Reduce Atherosclerosis by Inducing Hypo-inflammatory Myeloid Cells. Arteriosclerosis, Thrombosis, and Vascular Biology, 2013, 33, .	2.4	0