Herbert SchÃ¶chl

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/492018/publications.pdf

Version: 2024-02-01

88	5,855	94381	74108
papers	citations	37 h-index	75 g-index

90	90	90	3209
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Goal-directed coagulation management of major trauma patients using thromboelastometry (ROTEMÂ®)-guided administration of fibrinogen concentrate and prothrombin complex concentrate. Critical Care, 2010, 14, R55.	2.5	582
2	Transfusion in trauma: thromboelastometry-guided coagulation factor concentrate-based therapy versus standard fresh frozen plasma-based therapy. Critical Care, 2011, 15, R83.	2.5	361
3	Hyperfibrinolysis After Major Trauma: Differential Diagnosis of Lysis Patterns and Prognostic Value of Thrombelastometry. Journal of Trauma, 2009, 67, 125-131.	2.3	335
4	Trauma-induced coagulopathy. Nature Reviews Disease Primers, 2021, 7, 30.	18.1	300
5	FIBTEM provides early prediction of massive transfusion in trauma. Critical Care, 2011, 15, R265.	2.5	263
6	Hyperfibrinolysis at admission is an uncommon but highly lethal event associated with shock and prehospital fluid administration. Journal of Trauma and Acute Care Surgery, 2012, 73, 365-370.	1.1	232
7	Coagulopathy and haemorrhagic progression in traumatic brain injury: advances in mechanisms, diagnosis, and management. Lancet Neurology, The, 2017, 16, 630-647.	4.9	222
8	Platelet function following trauma. Thrombosis and Haemostasis, 2011, 106, 322-330.	1.8	206
9	Reduction of Fresh Frozen Plasma Requirements by Perioperative Point-of-Care Coagulation Management with Early Calculated Goal-Directed Therapy. Transfusion Medicine and Hemotherapy, 2012, 39, 104-113.	0.7	193
10	Early and individualized goal-directed therapy for trauma-induced coagulopathy. Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine, 2012, 20, 15.	1.1	187
11	The impact of fresh frozen plasma vs coagulation factor concentrates on morbidity and mortality in trauma-associated haemorrhage and massive transfusion. Injury, 2011, 42, 697-701.	0.7	154
12	Hyperfibrinolysis Elicited via Thromboelastography Predicts Mortality in Trauma. Journal of the American College of Surgeons, 2012, 215, 496-502.	0.2	139
13	Impact of Fibrinogen Levels on Outcomes after Acute Injury in Patients Requiring a Massive Transfusion. Journal of the American College of Surgeons, 2013, 216, 290-297.	0.2	138
14	Assessing the Methodology for Calculating Platelet Contribution to Clot Strength (Platelet) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 T 868-878.	1.1	115
15	Thromboelastometric (ROTEM) Findings in Patients Suffering from Isolated Severe Traumatic Brain Injury. Journal of Neurotrauma, 2011, 28, 2033-2041.	1.7	112
16	Tranexamic acid for treatment and prophylaxis of bleeding and hyperfibrinolysis. Wiener Klinische Wochenschrift, 2017, 129, 303-316.	1.0	111
17	Comparison of Whole Blood Fibrin-Based Clot Tests in Thrombelastography and Thromboelastometry. Anesthesia and Analgesia, 2012, 114, 721-730.	1.1	98
18	A comparison of fibrinogen measurement methods with fibrin clot elasticity assessed by thromboelastometry, before and after administration of fibrinogen concentrate in cardiac surgery patients. Transfusion, 2011, 51, 1695-1706.	0.8	96

#	Article	IF	Citations
19	Endogenous thrombin potential following hemostatic therapy with 4-factor prothrombin complex concentrate: a 7-day observational study of trauma patients. Critical Care, 2014, 18, R147.	2.5	95
20	Practical application of point-of-care coagulation testing to guide treatment decisions in trauma. Journal of Trauma and Acute Care Surgery, 2013, 74, 1587-1598.	1.1	91
21	The Effectiveness of Different Functional Fibrinogen Polymerization Assays in Eliminating Platelet Contribution to Clot Strength in Thromboelastometry. Anesthesia and Analgesia, 2014, 118, 269-276.	1.1	91
22	Estimation of plasma fibrinogen levels based on hemoglobin, base excess and Injury Severity Score upon emergency room admission. Critical Care, 2013, 17, R137.	2.5	78
23	The Acute Coagulopathy of Trauma. Shock, 2012, 38, 450-458.	1.0	76
24	The impact of direct oral anticoagulants in traumatic brain injury patients greater than 60-years-old. Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine, 2018, 26, 20.	1.1	64
25	S(+)-ketamine. Wiener Klinische Wochenschrift, 2018, 130, 356-366.	1.0	63
26	Trauma Bleeding Management. Anesthesia and Analgesia, 2014, 119, 1064-1073.	1.1	61
27	Impact of fibrinogen concentrate alone or with prothrombin complex concentrate (+/â^' fresh frozen) Tj ETQq1 1 0.784314 rgBT /Ove retrospective study. Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine, 2013, 21, 74.	1.1	54
28	The effect of fibrinogen concentrate and factor XIII on thromboelastometry in 33% diluted blood with albumin, gelatine, hydroxyethyl starch or saline in vitro. Blood Transfusion, 2013, 11, 510-7.	0.3	51
29	Diagnostic and therapeutic approach in adult patients with traumatic brain injury receiving oral anticoagulant therapy: an Austrian interdisciplinary consensus statement. Critical Care, 2019, 23, 62.	2.5	50
30	Pathophysiological Response to Trauma-Induced Coagulopathy: A Comprehensive Review. Anesthesia and Analgesia, 2020, 130, 654-664.	1.1	49
31	Thromboelastometry (TEMÂ®) Findings in Disseminated Intravascular Coagulation in a Pig Model of Endotoxinemia. Molecular Medicine, 2011, 17, 266-272.	1.9	47
32	Effect of haematocrit on fibrin-based clot firmness in the FIBTEM test. Blood Transfusion, 2013, 11, 412-8.	0.3	47
33	Effect of coagulation factor concentrate administration on ROTEMÂ® parameters in major trauma. Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine, 2015, 23, 84.	1.1	46
34	Can the Viscoelastic Parameter Î±-Angle Distinguish Fibrinogen from Platelet Deficiency and Guide Fibrinogen Supplementation?. Anesthesia and Analgesia, 2015, 121, 289-301.	1.1	45
35	Impact of Direct Oral Anticoagulants in Patients With Hip Fractures. Journal of Orthopaedic Trauma, 2019, 33, e8-e13.	0.7	43
36	Efficacy of prehospital administration of fibrinogen concentrate in trauma patients bleeding or presumed to bleed (FlinTIC). European Journal of Anaesthesiology, 2021, 38, 348-357.	0.7	43

#	Article	IF	Citations
37	Potential of whole blood coagulation reconstitution by desmopressin and fibrinogen under conditions of hypothermia and acidosis â€“ anin vitrostudy using rotation thrombelastometry. Scandinavian Journal of Clinical and Laboratory Investigation, 2011, 71, 292-298.	0.6	42
38	FIBTEM PLUS Provides an Improved Thromboelastometry Test for Measurement of Fibrin-Based Clot Quality in Cardiac Surgery Patients. Anesthesia and Analgesia, 2013, 117, 1054-1062.	1.1	39
39	Tranexamic Acid, Fibrinogen Concentrate, and Prothrombin Complex Concentrate. Shock, 2014, 41, 44-46.	1.0	38
40	Fibrinogen levels in trauma patients during the first seven days after fibrinogen concentrate therapy: a retrospective study. Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine, 2016, 24, 29.	1.1	38
41	Comparison between the new fully automated viscoelastic coagulation analysers TEG 6s and ROTEM Sigma in trauma patients. European Journal of Anaesthesiology, 2019, 36, 834-842.	0.7	38
42	High-dose fibrinogen concentrate for haemostatic therapy of a major trauma patient with recent clopidogrel and aspirin intake. Scandinavian Journal of Clinical and Laboratory Investigation, 2010, 70, 453-457.	0.6	36
43	Effectiveness of prothrombin complex concentrate for the treatment of bleeding: A systematic review and metaâ€analysis. Journal of Thrombosis and Haemostasis, 2020, 18, 2457-2467.	1.9	36
44	Potential value of pharmacological protocols in trauma. Current Opinion in Anaesthesiology, 2013, 26, 221-229.	0.9	35
45	Direct Oral Anticoagulants in Emergency Trauma Admissions. Deutsches Ärzteblatt International, 2016, 113, 575-82.	0.6	35
46	Severe Pediatric Blunt Traumaâ€"Successful ROTEM-Guided Hemostatic Therapy With Fibrinogen Concentrate and No Administration of Fresh Frozen Plasma or Platelets. Clinical and Applied Thrombosis/Hemostasis, 2013, 19, 453-459.	0.7	32
47	Injectable hemostatic adjuncts in trauma. Journal of Trauma and Acute Care Surgery, 2015, 78, S76-S82.	1.1	32
48	The research agenda for trauma critical care. Intensive Care Medicine, 2017, 43, 1340-1351.	3.9	32
49	Fixed ratio versus goal-directed therapy in trauma. Current Opinion in Anaesthesiology, 2016, 29, 234-244.	0.9	31
50	Endothelial Cell-derived Extracellular Vesicles Size-dependently Exert Procoagulant Activity Detected by Thromboelastometry. Scientific Reports, 2017, 7, 3707.	1.6	30
51	A novel coagulation assay incorporating adherent endothelial cells in thromboelastometry. Thrombosis and Haemostasis, 2013, 109, 869-877.	1.8	27
52	Management of Hemorrhage in Trauma. Journal of Cardiothoracic and Vascular Anesthesia, 2013, 27, S35-S43.	0.6	25
53	Use of Thromboelastography in the Evaluation and Management of Patients With Traumatic Brain Injury: A Systematic Review and Meta-Analysis. , 2021, 3, e0526.		24
54	Hemotherapy algorithm for the management of trauma-induced coagulopathy. Current Opinion in Anaesthesiology, 2017, 30, 257-264.	0.9	22

#	Article	IF	Citations
55	Rapid measurement of fibrinogen concentration in whole blood using a steel ball coagulometer. Journal of Trauma and Acute Care Surgery, 2015, 78, 830-836.	1.1	21
56	Global Characterisation of Coagulopathy in Isolated Traumatic Brain Injury (iTBI): A CENTER-TBI Analysis. Neurocritical Care, 2021, 35, 184-196.	1.2	21
57	Pathophysiology of Trauma-Induced Coagulopathy. Transfusion Medicine Reviews, 2021, 35, 80-86.	0.9	20
58	Similarities in Thromboelastometric (ROTEMÂ®) Findings between Humans and Baboons. Thrombosis Research, 2012, 130, e107-e112.	0.8	18
59	Thromboelastometric Maximum Clot Firmness in Platelet-Free Plasma Is Influenced by the Assay Used. Anesthesia and Analgesia, 2013, 117, 23-29.	1.1	18
60	Comparison of fibrin-based clot elasticity parameters measured by free oscillation rheometry (ReoRox^{Â®}) versus thromboelastometry (ROTEM^{Â®}). Scandinavian Journal of Clinical and Laboratory Investigation, 2015, 75, 239-246.	0.6	18
61	Prothrombin Complex Concentrate-induced Disseminated Intravascular Coagulation Can Be Prevented by Coadministering Antithrombin in a Porcine Trauma Model. Anesthesiology, 2019, 131, 543-554.	1.3	18
62	Comparison of fresh frozen plasma vs. coagulation factor concentrates for reconstitution of blood. European Journal of Anaesthesiology, 2020, 37, 879-888.	0.7	15
63	Variations and obstacles in the use of coagulation factor concentrates for major trauma bleeding across Europe: outcomes from a European expert meeting. European Journal of Trauma and Emergency Surgery, 2022, 48, 763-774.	0.8	15
64	Preferential effects of low volume versus high volume replacement with crystalloid fluid in a hemorrhagic shock model in pigs. BMC Anesthesiology, 2015, 15, 133.	0.7	14
65	Recovery of fibrinogen concentrate after intraosseous application is equivalent to the intravenous route in a porcine model of hemodilution. Journal of Trauma and Acute Care Surgery, 2014, 76, 1235-1242.	1.1	13
66	Sufficient Thrombin Generation Despite 95% Hemodilution: An In Vitro Experimental Study. Journal of Clinical Medicine, 2020, 9, 3805.	1.0	13
67	Dual inhibition of thrombin and activated factor X attenuates disseminated intravascular coagulation and protects organ function in a baboon model of severe Gram-negative sepsis. Critical Care, 2017, 21, 51.	2.5	12
68	Potential role of platelet-leukocyte aggregation in trauma-induced coagulopathy. Journal of Trauma and Acute Care Surgery, 2017, 82, 921-926.	1.1	11
69	Idarucizumab in major trauma patients: a single centre real life experience. European Journal of Trauma and Emergency Surgery, 2021, 47, 589-595.	0.8	11
70	Effect of Coagulation Factor Concentrates on Markers of Endothelial Cell Damage in Experimental Hemorrhagic Shock. Shock, 2019, 52, 497-505.	1.0	10
71	Trauma-Induced Coagulopathy and Massive Bleeding: Current Hemostatic Concepts and Treatment Strategies. Hamostaseologie, 2021, 41, 307-315.	0.9	10
72	Impact of Idarucizumab and Andexanet Alfa on DOAC Plasma Concentration and ClotProÂ® Clotting Time: An Ex Vivo Spiking Study in A Cohort of Trauma Patients. Journal of Clinical Medicine, 2021, 10, 3476.	1.0	10

#	Article	IF	Citations
73	Concentrated lyophilized plasma used for reconstitution of whole blood leads to higher coagulation factor activity but unchanged thrombin potential compared with freshâ€frozen plasma. Transfusion, 2017, 57, 1763-1771.	0.8	7
74	Evaluation of combined idarucizumab and prothrombin complex concentrate treatment for bleeding related to dabigatran in a lethal porcine model of double trauma. Transfusion, 2019, 59, 1376-1387.	0.8	5
75	Multiplate Platelet Function Testing upon Emergency Room Admission Fails to Provide Useful Information in Major Trauma Patients Not on Platelet Inhibitors. Journal of Clinical Medicine, 2022, 11, 2578.	1.0	5
76	Platelet function in baboons and humans â€" A comparative study of whole blood using impedance platelet aggregometry (MultiplateÂ®). Thrombosis Research, 2016, 147, 115-121.	0.8	4
77	Postponing intubation in spontaneously breathing major trauma patients upon emergency room admission does not impair outcome. Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine, 2019, 27, 80.	1.1	4
78	Letter. Journal of Trauma and Acute Care Surgery, 2014, 77, 1003.	1.1	3
79	Fibrinogen Assays. , 2016, , 227-235.		3
80	Is â€œThrombin Burstâ€•Now the Worst Option in Trauma?. Shock, 2017, 47, 780-781.	1.0	3
81	Thromboelastometry fails to detect autoheparinization after major trauma and hemorrhagic shock. Journal of Trauma and Acute Care Surgery, 2022, 92, 535-541.	1.1	3
82	Role of DOAC plasma concentration on perioperative blood loss and transfusion requirements in patients with hip fractures. European Journal of Trauma and Emergency Surgery, 2023, 49, 165-172.	0.8	3
83	Factor XIII Measurement and Substitution in Trauma Patients after Admission to an Intensive Care Unit. Journal of Clinical Medicine, 2022, 11, 4174.	1.0	3
84	Comparing the viscoelastomeric fibrin polymerization assays FIBTEMÂ® (ROTEM) vs. Functional FibrinogenÂ® (TEG): or why is a higher threshold for fibrinogen substitution better than a lower one?. Clinical Chemistry and Laboratory Medicine, 2016, 54, e275-6.	1.4	2
85	Getting hit by the bus around the world â€“ a global perspective on goal directed treatment of massive hemorrhage in trauma. Current Opinion in Anaesthesiology, 2021, 34, 537-543.	0.9	2
86	Operability of a Resonance-Based Viscoelastic Haemostatic Analyzer in the High-Vibration Environment of Air Medical Transport. Journal of Clinical Medicine, 2022, 11, 3630.	1.0	2
87	Comment on â€œPreâ€hospital emergency anaesthesia in awake hypotensive trauma patients: Beneficial or detrimental?â€•by Crewdson et al Acta Anaesthesiol Scand 2018; 62: 504â€“14. Acta Anaesthesiologica Scandinavica, 2019, 63, 139-139.	0.7	1
88	Fibrinogen Assays. , 2021, , 271-278.		0