

Oliver Grottke

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/2740706/oliver-grottke-publications-by-year.pdf>

Version: 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

85
papers

1,245
citations

20
h-index

32
g-index

90
ext. papers

1,486
ext. citations

4
avg, IF

4.69
L-index

#	Paper	IF	Citations
85	Intracranial bleeding under vitamin K antagonists or direct oral anticoagulants: results of the RADOA registry.. <i>Neurological Research and Practice</i> , 2022 , 4, 16	3.2	0
84	The thrombotic risk of spaceflight: has a serious problem been overlooked for more than half of a century?. <i>European Heart Journal</i> , 2021 , 42, 97-100	9.5	8
83	Response to Wirtz et al: The impact of blood product ratio and procoagulant therapy on the development of thromboembolic events in severely injured hemorrhaging trauma patients. <i>Transfusion</i> , 2021 , 61, 991-992	2.9	
82	Improving Hemocompatibility: How Can Smart Surfaces Direct Blood To Fight against Thrombi. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 11696-11707	9.5	2
81	Thromboembolic and Bleeding Events in COVID-19 Patients receiving Extracorporeal Membrane Oxygenation. <i>Thoracic and Cardiovascular Surgeon</i> , 2021 , 69, 526-536	1.6	9
80	High Interleukin-6 Plasma Concentration upon Admission Is Predictive of Massive Transfusion in Severely Injured Patients. <i>Journal of Clinical Medicine</i> , 2021 , 10,	5.1	1
79	Outcomes of Extracorporeal Membrane Oxygenation for Acute Respiratory Distress Syndrome in COVID-19 Patients: A Propensity-Matched Analysis. <i>Journal of Clinical Medicine</i> , 2021 , 10,	5.1	3
78	Role of extracorporeal membrane oxygenation in critically ill COVID-19 patients and predictors of mortality. <i>Artificial Organs</i> , 2021 , 45, E158-E170	2.6	18
77	Idarucizumab in major trauma patients: a single centre real life experience. <i>European Journal of Trauma and Emergency Surgery</i> , 2021 , 47, 589-595	2.3	6
76	Impact of Idarucizumab and Andexanet Alfa on DOAC Plasma Concentration and ClotPro Clotting Time: An Ex Vivo Spiking Study in A Cohort of Trauma Patients. <i>Journal of Clinical Medicine</i> , 2021 , 10,	5.1	1
75	Reversing Rivaroxaban Anticoagulation as Part of a Multimodal Hemostatic Intervention in a Polytrauma Animal Model. <i>Anesthesiology</i> , 2021 , 135, 673-685	4.3	1
74	Coagulation management for a caesarean delivery in a mother with severe homozygous Factor V deficiency. <i>Journal of Clinical Anesthesia</i> , 2021 , 74, 110402	1.9	0
73	Extracorporeal membrane oxygenation in patients with COVID-19: 1-year experience. <i>Journal of Thoracic Disease</i> , 2021 , 13, 5911-5924	2.6	0
72	Extended Coagulation Profiling in Isolated Traumatic Brain Injury: A CENTER-TBI Analysis.. <i>Neurocritical Care</i> , 2021 , 1	3.3	0
71	The use of coagulation factor concentrates for perioperative bleeding management - a global perspective. <i>Transfusion</i> , 2020 , 60, 663-666	2.9	2
70	Sufficient Thrombin Generation Despite 95% Hemodilution: An In Vitro Experimental Study. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	6
69	Toward a Long-Term Artificial Lung. <i>ASAIO Journal</i> , 2020 , 66, 847-854	3.6	11

68	Fibrinogen Supplementation and Its Indications. <i>Seminars in Thrombosis and Hemostasis</i> , 2020 , 46, 38-49	5.3	11
67	Volume replacement strategies do not impair the binding of dabigatran to idarucizumab: Porcine model of hemodilution. <i>PLoS ONE</i> , 2019 , 14, e0209350	3.7	
66	Plasma-derived Factor X therapy for treatment of intracranial bleeding in a patient with Factor X deficiency: a case report. <i>Transfusion</i> , 2019 , 59, 2228-2233	2.9	2
65	Transient or extended reversal of apixaban anticoagulation by andexanet Alfa is equally effective in a porcine polytrauma model. <i>British Journal of Anaesthesia</i> , 2019 , 123, 186-195	5.4	8
64	Four-factor Prothrombin Complex Concentrate for the Management of Patients Receiving Direct Oral Activated Factor X Inhibitors. <i>Anesthesiology</i> , 2019 , 131, 1153-1165	4.3	8
63	Prothrombin Complex Concentrate-induced Disseminated Intravascular Coagulation Can Be Prevented by Coadministering Antithrombin in a Porcine Trauma Model. <i>Anesthesiology</i> , 2019 , 131, 543-554	4.3	12
62	The relevance of 25-hydroxyvitamin D and 1,25-dihydroxyvitamin D concentration for postoperative infections and postoperative organ dysfunctions in cardiac surgery patients: The eVIDenCe study. <i>Clinical Nutrition</i> , 2019 , 38, 2756-2762	5.9	14
61	Evaluation of combined idarucizumab and prothrombin complex concentrate treatment for bleeding related to dabigatran in a lethal porcine model of double trauma. <i>Transfusion</i> , 2019 , 59, 1376-1387	3.9	2
60	Antifouling Microparticles To Scavenge Lipopolysaccharide from Human Blood Plasma. <i>Biomacromolecules</i> , 2019 , 20, 959-968	6.9	8
59	In vitro comparison of the hemocompatibility of two centrifugal left ventricular assist devices. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2019 , 157, 591-599.e4	1.5	10
58	Impact of Direct Oral Anticoagulants in Patients With Hip Fractures. <i>Journal of Orthopaedic Trauma</i> , 2019 , 33, e8-e13	3.1	27
57	The Renal Elimination Pathways of the Dabigatran Reversal Agent Idarucizumab and its Impact on Dabigatran Elimination. <i>Clinical and Applied Thrombosis/Hemostasis</i> , 2018 , 24, 724-733	3.3	9
56	The impact of direct oral anticoagulants in traumatic brain injury patients greater than 60-years-old. <i>Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine</i> , 2018 , 26, 20	3.6	40
55	Comparison of Second and First Generation of Andexanet Alfa in a Porcine Polytrauma Model with Apixaban Anticoagulation. <i>Blood</i> , 2018 , 132, 3778-3778	2.2	2
54	Reversal of Apixaban Anticoagulation with Reduced Doses of Andexanet Alfa in a Porcine Polytrauma Model. <i>Blood</i> , 2018 , 132, 2456-2456	2.2	0
53	Re: Three versus four-factor prothrombin complex concentrates for "factor-based" resuscitation in a porcine hemorrhagic shock model. <i>Journal of Trauma and Acute Care Surgery</i> , 2018 , 84, 217	3.3	
52	Survival of HeartMate II Patients Despite Cessation of Anticoagulation - Outcomes and Hemostatic Analysis. <i>Circulation Journal</i> , 2018 , 82, 1309-1318	2.9	5
51	Microfluidic cell sorting: Towards improved biocompatibility of extracorporeal lung assist devices. <i>Scientific Reports</i> , 2018 , 8, 8031	4.9	13

50	The Reversal of Direct Oral Anticoagulants in Animal Models. <i>Shock</i> , 2017 , 48, 144-158	3.4	3
49	Coagulation factor concentrates and point-of-care coagulation monitoring: both might be essential for optimal treatment of trauma-induced coagulopathy. <i>Lancet Haematology</i> , 2017 , 4, e246-e247	14.6	2
48	Septic porcine blood does not further activate coagulation during in vitro membrane oxygenation. <i>European Journal of Cardio-thoracic Surgery</i> , 2017 , 51, 449-456	3	2
47	Reversing Dabigatran Anticoagulation with Prothrombin Complex Concentrate versus Idarucizumab as Part of Multimodal Hemostatic Intervention in an Animal Model of Polytrauma. <i>Anesthesiology</i> , 2017 , 127, 852-861	4.3	13
46	Dose requirements for idarucizumab reversal of dabigatran in a lethal porcine trauma model with continuous bleeding. <i>Thrombosis and Haemostasis</i> , 2017 , 117, 1370-1378	7	4
45	Effects of Fibrinogen Concentrate on Thrombin Generation, Thromboelastometry Parameters, and Laboratory Coagulation Testing in a 24-Hour Porcine Trauma Model. <i>Clinical and Applied Thrombosis/Hemostasis</i> , 2016 , 22, 749-759	3.3	10
44	Idarucizumab, a Specific Reversal Agent for Dabigatran: Mode of Action, Pharmacokinetics and Pharmacodynamics, and Safety and Efficacy in Phase 1 Subjects. <i>American Journal of Medicine</i> , 2016 , 129, S64-S72	2.4	28
43	Rekombinanter Faktor VIIa 2016 , 197-210		
42	Markers of Thromboembolic Risk Were Insignificantly Affected By Either Intraosseous or Intravenous Idarucizumab in a Dabigatran-Anticoagulated Porcine Polytrauma Model. <i>Blood</i> , 2016 , 128, 2623-2623	2.2	
41	Therapy with activated prothrombin complex concentrate is effective in reducing dabigatran-associated blood loss in a porcine polytrauma model. <i>Thrombosis and Haemostasis</i> , 2016 , 115, 271-84	7	41
40	Direct Oral Anticoagulants in Emergency Trauma Admissions. <i>Deutsches A&#x0308;rztblatt International</i> , 2016 , 113, 575-82	2.5	20
39	Hemostatic Therapy Using Tranexamic Acid and Coagulation Factor Concentrates in a Model of Traumatic Liver Injury. <i>Anesthesia and Analgesia</i> , 2016 , 123, 38-48	3.9	10
38	Automatic Control of Venovenous Extracorporeal Lung Assist. <i>Artificial Organs</i> , 2016 , 40, 992-998	2.6	10
37	Sub-anesthetic Xenon Increases Erythropoietin Levels in Humans: A Randomized Controlled Trial. <i>Sports Medicine</i> , 2016 , 46, 1753-1766	10.6	20
36	Efficacy of prothrombin complex concentrates for the emergency reversal of dabigatran-induced anticoagulation. <i>Critical Care</i> , 2016 , 20, 115	10.8	35
35	Idarucizumab, a specific reversal agent for dabigatran: mode of action, pharmacokinetics and pharmacodynamics, and safety and efficacy in phase 1 subjects. <i>American Journal of Emergency Medicine</i> , 2016 , 34, 26-32	2.9	26
34	Cortisol and alpha-amylase as stress response indicators during pre-hospital emergency medicine training with repetitive high-fidelity simulation and scenarios with standardized patients. <i>Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine</i> , 2015 , 23, 31	3.6	36
33	Perioperatively acquired disorders of coagulation. <i>Current Opinion in Anaesthesiology</i> , 2015 , 28, 113-22	2.9	20

32	Idarucizumab, a Specific Dabigatran Reversal Agent, Reduces Blood Loss in a Porcine Model of Trauma With Dabigatran Anticoagulation. <i>Journal of the American College of Cardiology</i> , 2015 , 66, 1518-9 ^{15.1}	49
31	Reply to Faraoni D, Fenger-Eriksen C, Gillard S et al. Evaluation of dynamic parameters of thrombus formation measured on whole blood using rotational thromboelastometry in children undergoing cardiac surgery: a descriptive study. <i>Paediatric Anaesthesia</i> , 2015 , 25, 646-7	1.8 1
30	Tissue oxygen saturation as an early indicator of delayed lactate clearance after cardiac surgery: a prospective observational study. <i>BMC Anesthesiology</i> , 2015 , 15, 158	2.4 10
29	Reversal of dabigatran anticoagulation ex vivo: Porcine study comparing prothrombin complex concentrates and idarucizumab. <i>Thrombosis and Haemostasis</i> , 2015 , 113, 728-40	7 84
28	Prothrombin complex concentrates in trauma and perioperative bleeding. <i>Anesthesiology</i> , 2015 , 122, 923-31	4.3 74
27	Prothrombin Complex Concentrate Is Effective in Treating the Anticoagulant Effects of Dabigatran in a Porcine Polytrauma Model. <i>Anesthesiology</i> , 2015 , 123, 1350-61	4.3 42
26	Twelve Hours In Vitro Biocompatibility Testing of Membrane Oxygenators. <i>ASAIO Journal</i> , 2015 , 61, 548-56	8
25	Recombinant Factor VIIa Reduces Bleeding after Blunt Liver Injury in a Pig Model of Dilutional Coagulopathy under Severe Hypothermia. <i>PLoS ONE</i> , 2015 , 10, e0113979	3.7 3
24	Mechanistic Differences of Prothrombin Complex Concentrate and Idarucizumab in a Trauma Model Under Dabigatran Anticoagulation. <i>Blood</i> , 2015 , 126, 1128-1128	2.2
23	Prothrombin Complex Concentrate or Idarucizumab in a Multimodal Hemostatic Approach with Tranexamic Acid and Fibrinogen for the Acute Reversal of Dabigatran. <i>Blood</i> , 2015 , 126, 2275-2275	2.2
22	Prothrombin complex concentrates and a specific antidote to dabigatran are effective ex-vivo in reversing the effects of dabigatran in an anticoagulation/liver trauma experimental model. <i>Critical Care</i> , 2014 , 18, R27	10.8 80
21	Fibrin patch in a pig model with blunt liver injury under severe hypothermia. <i>Journal of Surgical Research</i> , 2014 , 187, 616-24	2.5 5
20	Measurement of dabigatran in standardly used clinical assays, whole blood viscoelastic coagulation, and thrombin generation assays. <i>Clinics in Laboratory Medicine</i> , 2014 , 34, 479-501	2.1 26
19	Reversal of Trauma-Induced Bleeding and Anticoagulation with a Dabigatran-Specific Antidote (idarucizumab) As Assessed By Shed and Washed Blood Tests in a Pig Model of Supratherapeutic Anticoagulation and Trauma. <i>Blood</i> , 2014 , 124, 4268-4268	2.2 1
18	Fibrinogen concentrate does not suppress endogenous fibrinogen synthesis in a 24-hour porcine trauma model. <i>Anesthesiology</i> , 2014 , 121, 753-64	4.3 12
17	Prothrombin Complex Concentrate in Combination with Fibrinogen Plus Tranexamic Acid Is More Effective Than Mono-Therapy with Prothrombin Complex Concentrate in a Dabigatran Anticoagulation Experimental Polytrauma Model. <i>Blood</i> , 2014 , 124, 346-346	2.2
16	Perioperative Management 2014 , 13-28	
15	Nonsurgical techniques to control massive bleeding. <i>Anesthesiology Clinics</i> , 2013 , 31, 41-53	2.3 8

14	Ex Vivo Prothrombin Complex Concentrates and a Specific Antidote Are Effective In Reversing Dabigatran-Induced Coagulopathy In Pigs. <i>Blood</i> , 2013 , 122, 2387-2387	2.2	2
13	Resuscitation With Different Volume Expanders Does Not Influence Coagulation After Antidoting Dabigatran With Its Specific Fab In a Pig Model Of Hemorrhagic Shock. <i>Blood</i> , 2013 , 122, 3649-3649	2.2	1
12	Thrombin generation capacity of prothrombin complex concentrate in an in vitro dilutional model. <i>PLoS ONE</i> , 2013 , 8, e64100	3.7	32
11	Coagulation management. <i>Current Opinion in Critical Care</i> , 2012 , 18, 641-6	3.5	9
10	Thrombin Generation Capacity of Prothrombin Complex Concentrate in an in Vitro Dilutional Model. <i>Blood</i> , 2012 , 120, 4380-4380	2.2	
9	Effect of TachoSil in a coagulopathic pig model with blunt liver injuries. <i>Journal of Surgical Research</i> , 2011 , 171, 234-9	2.5	13
8	Prothrombin complex concentrate reduces blood loss and enhances thrombin generation in a pig model with blunt liver injury under severe hypothermia. <i>Thrombosis and Haemostasis</i> , 2011 , 106, 724-33	7	29
7	Influence of the bimanual frame of reference with haptics for unimanual interaction tasks in virtual environments 2011 ,		5
6	Increasing concentrations of prothrombin complex concentrate induce disseminated intravascular coagulation in a pig model of coagulopathy with blunt liver injury. <i>Blood</i> , 2011 , 118, 1943-51	2.2	97
5	Effects of different fibrinogen concentrations on blood loss and coagulation parameters in a pig model of coagulopathy with blunt liver injury. <i>Critical Care</i> , 2010 , 14, R62	10.8	49
4	Activated recombinant factor VII (rFVIIa). <i>Baillieres Best Practice and Research in Clinical Anaesthesiology</i> , 2010 , 24, 95-106	4	13
3	Prothrombin complex concentrate (PCC) for the treatment of coagulopathy associated with massive bleeding. <i>Wiener Klinische Wochenschrift</i> , 2010 , 122 Suppl 5, S23-4	2.3	
2	Diagnosis and treatment of peripartum bleeding. <i>Journal of Perinatal Medicine</i> , 2008 , 36, 467-78	2.7	44
1	Use of blood and blood products in trauma. <i>Baillieres Best Practice and Research in Clinical Anaesthesiology</i> , 2007 , 21, 257-70	4	16