

Michael A Meledeo

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

1,023
citations

471509

17
h-index

414414

32
g-index

50
all docs

50
docs citations

50
times ranked

1286
citing authors

#	ARTICLE	IF	CITATIONS
1	Metabolic glycoengineering: Sialic acid and beyond. <i>Glycobiology</i> , 2009, 19, 1382-1401.	2.5	262
2	Oxygen Sensor Based on the Fluorescence Quenching of a Ruthenium Complex Immobilized in a Biocompatible Poly(Ethylene Glycol) Hydrogel. <i>IEEE Sensors Journal</i> , 2004, 4, 728-734.	4.7	66
3	Bioenergetic profiling of platelet mitochondria during storage: 4°C storage extends platelet mitochondrial function and viability. <i>Transfusion</i> , 2016, 56, S76-84.	1.6	65
4	Targeting Glycosylation Pathways and the Cell Cycle: Sugar-Dependent Activity of Butyrate-Carbohydrate Cancer Prodrugs. <i>Chemistry and Biology</i> , 2006, 13, 1265-1275.	6.0	54
5	Hexosamine Template. A Platform for Modulating Gene Expression and for Sugar-Based Drug Discovery. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 2515-2530.	6.4	53
6	Optimizing whole blood storage: hemostatic function of 35-day stored product in CPD, CP2D, and CPDA-1 anticoagulants. <i>Transfusion</i> , 2019, 59, 1549-1559.	1.6	50
7	Hexosamine analogs: from metabolic glycoengineering to drug discovery. <i>Current Opinion in Chemical Biology</i> , 2009, 13, 565-572.	6.1	48
8	Extracellular and intracellular esterase processing of SCFA hexosamine analogs: Implications for metabolic glycoengineering and drug delivery. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 6929-6933.	2.2	37
9	Comparative Response of Platelet fV and Plasma fV to Activated Protein C and Relevance to a Model of Acute Traumatic Coagulopathy. <i>PLoS ONE</i> , 2014, 9, e99181.	2.5	34
10	Acute traumatic coagulopathy. <i>Journal of Trauma and Acute Care Surgery</i> , 2017, 82, S33-S40.	2.1	33
11	Toxicity of Aluminum Silicates Used in Hemostatic Dressings Toward Human Umbilical Veins Endothelial Cells, HeLa Cells, and RAW267.4 Mouse Macrophages. <i>Journal of Trauma</i> , 2011, 71, 727-732.	2.3	29
12	Endothelium-Derived Inhibitors Efficiently Attenuate the Aggregation and Adhesion Responses of Refrigerated Platelets. <i>Shock</i> , 2016, 45, 220-227.	2.1	29
13	Tissue injury suppresses fibrinolysis after hemorrhagic shock in nonhuman primates (rhesus) Tj ETQq1 1 0.784314 rBT /Overlock 10 2.1 28	2.1	28
14	The Immunologic Effect of Early Intravenous Two and Four Gram Bolus Dosing of Tranexamic Acid Compared to Placebo in Patients With Severe Traumatic Bleeding (TAMPITI): A Randomized, Double-Blind, Placebo-Controlled, Single-Center Trial. <i>Frontiers in Immunology</i> , 2020, 11, 2085.	4.8	26
15	Functional stability of the TEG 6s hemostasis analyzer under stress. <i>Journal of Trauma and Acute Care Surgery</i> , 2018, 84, S83-S88.	2.1	24
16	Cold storage of platelets in platelet additive solution maintains mitochondrial integrity by limiting initiation of apoptosis-mediated pathways. <i>Transfusion</i> , 2021, 61, 178-190.	1.6	22
17	An evaluation of methods for producing low-titer group O whole blood to support military trauma resuscitation. <i>Journal of Trauma and Acute Care Surgery</i> , 2017, 82, S79-S86.	2.1	20
18	Development of delivery methods for carbohydrate-based drugs: controlled release of biologically-active short chain fatty acid-hexosamine analogs. <i>Glycoconjugate Journal</i> , 2010, 27, 445-459.	2.7	16

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19	Evaluation of a lyophilized platelet-derived hemostatic product. <i>Transfusion</i> , 2019, 59, 1490-1498.	1.6	16
20	Recent advances in use of fresh frozen plasma, cryoprecipitate, immunoglobulins, and clotting factors for transfusion support in patients with hematologic disease. <i>Seminars in Hematology</i> , 2020, 57, 73-82.	3.4	15
21	Hemostatic characteristics of thawed, pooled cryoprecipitate stored for 35%days at refrigerated and room temperatures. <i>Transfusion</i> , 2019, 59, 1560-1567.	1.6	14
22	A metal organic framework reduces thrombus formation and platelet aggregation ex vivo. <i>Journal of Trauma and Acute Care Surgery</i> , 2018, 85, 572-579.	2.1	11
23	Volumetric control of whole blood collection in austere environments. <i>Journal of Trauma and Acute Care Surgery</i> , 2017, 82, S26-S32.	2.1	8
24	Both acute delivery of and storage with magnesium sulfate promote cold-stored platelet aggregation and coagulation function. <i>Journal of Trauma and Acute Care Surgery</i> , 2015, 79, S139-S145.	2.1	7
25	Evaluation of adenosine, lidocaine, and magnesium for enhancement of platelet function during storage. <i>Journal of Trauma and Acute Care Surgery</i> , 2017, 83, S9-S15.	2.1	7
26	Effects of refrigerated storage on hemostatic stability of four canine plasma products. <i>American Journal of Veterinary Research</i> , 2020, 81, 964-972.	0.6	7
27	Cold-stored platelets have better preserved contractile function in comparison with room temperature-stored platelets over 21%days. <i>Transfusion</i> , 2021, 61, S68-S79.	1.6	7
28	Freeze-dried plasma mitigates the dilution effects of a hemoglobin-based oxygen carrier (HBOC-201) in a model of resuscitation for hemorrhage and hemodilution. <i>Journal of Trauma and Acute Care Surgery</i> , 2019, 87, S83-S90.	2.1	5
29	Refrigerated Platelets Are Superior Compared to Standard-of-Care and Respond to Physiologic Control Mechanisms Under Microfluidic Flow Conditions. <i>Blood</i> , 2014, 124, 2895-2895.	1.4	5
30	Spray-dried plasma deficient in high-molecular-weight multimers of von Willebrand factor retains hemostatic properties. <i>Transfusion</i> , 2019, 59, 714-722.	1.6	4
31	More sophisticated than a drink cooler or an old sphygmomanometer but still not adequate for prehospital blood: A market review of commercially available equipment for prehospital blood transport and administration. <i>Transfusion</i> , 2021, 61, S286-S293.	1.6	4
32	Coagulation function of never frozen liquid plasma stored for 40%days. <i>Transfusion</i> , 2021, 61, S111-S118.	1.6	4
33	<title>Feasibility of an online fluorescence-based optical sensor for oxygen monitoring in cell-culture media</title>. , 2002, , .		3
34	Gene Expression Profiling Reveals Key Mitochondrial Gene Changes in Stored Platelets. <i>Blood</i> , 2015, 126, 3559-3559.	1.4	2
35	Reducing Fibrinogen through Platelet Additive Solutions Improves Mitochondrial Function and Reduces Reactive Oxygen Species in Stored Platelets. <i>Blood</i> , 2016, 128, 1357-1357.	1.4	2
36	<title>Investigation of pH and temperature effects on FRET systems for glucose sensing</title>. , 2002, , .		1

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37	Fieldâ€expedient thawing of freshâ€frozen plasma. <i>Transfusion</i> , 2020, 60, S87-S95.	1.6	1
38	Effect of Extended Platelet Storage on Platelet Metabolism and Clot Retraction. <i>Blood</i> , 2019, 134, 2450-2450.	1.4	1
39	In Vitro Assessment of Altered Thrombin-Fibrinogen Interaction As a Mechanism for Acute Traumatic Coagulopathy. <i>Blood</i> , 2015, 126, 1075-1075.	1.4	1
40	Chemical Biology of Cell Surface Oligosaccharides. , 0, , 189-222.		0
41	Red Blood Cells Preserve Platelet Function and Coagulation From The Effects Of Acidemia. <i>Blood</i> , 2013, 122, 4765-4765.	1.4	0
42	Activated Protein C Levels Found In Trauma Patients Are Insufficient To Inactivate Platelet Factor Va and Produce Coagulopathy In An In Vitro Model. <i>Blood</i> , 2013, 122, 4767-4767.	1.4	0
43	Synergistic Anticoagulant Effect of Activated Protein C and Tissue Factor Pathway Inhibitor As a Mechanism for Acute Traumatic Coagulopathy. <i>Blood</i> , 2014, 124, 1487-1487.	1.4	0
44	Extended Storage of Thawed Cryoprecipitate: Responsible and Rational Use of a Scarce Resource. <i>Blood</i> , 2018, 132, 3813-3813.	1.4	0
45	Hemostatic Resuscitation. , 2020, , 117-144.		0
46	Fibrinogen-Mediated Platelet Microaggregate Formation in Stored Whole Blood. <i>Blood</i> , 2019, 134, 1172-1172.	1.4	0
47	Platelet Transfusion. , 2021, , 391-428.		0
48	Trauma Biomarkers in Plasma during the First 24 Hours. <i>Blood</i> , 2021, 138, 591-591.	1.4	0