

Thomas Minor

List of Publications by Year in descending order

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Version: 2024-02-01

80
papers

2,458
citations

147566

31
h-index

223531

46
g-index

82
all docs

82
docs citations

82
times ranked

1409
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Controlled Oxygenated Rewarming of Cold Stored Livers Prior to Transplantation. Transplantation, 2016, 100, 147-152. | 0.5 | 115 |
| 2 | Cold preservation of fatty liver grafts: prevention of functional and ultrastructural impairments by venous oxygen persufflation. Journal of Hepatology, 2000, 32, 105-111. | 1.8 | 96 |
| 3 | Improved Kidney Graft Function After Preservation Using a Novel Hypothermic Machine Perfusion Device. Annals of Surgery, 2007, 246, 982-991. | 2.1 | 92 |
| 4 | Gaseous Oxygen for Hypothermic Preservation of Predamaged Liver Grafts: Fuel to Cellular Homeostasis or Radical Tissue Alteration?. Cryobiology, 2000, 40, 182-186. | 0.3 | 80 |
| 5 | Protective effect of heat shock pretreatment with heat shock protein induction before hepatic warm ischemic injury caused by Pringle's maneuver. Surgery, 1995, 118, 510-516. | 1.0 | 77 |
| 6 | Donor information based prediction of early allograft dysfunction and outcome in liver transplantation. Liver International, 2015, 35, 156-163. | 1.9 | 76 |
| 7 | Energy charge restoration, mitochondrial protection and reversal of preservation induced liver injury by hypothermic oxygenation prior to reperfusion. Cryobiology, 2009, 58, 331-336. | 0.3 | 75 |
| 8 | Role of oxygen during hypothermic machine perfusion preservation of the liver. Transplant International, 2010, 23, 944-50. | 0.8 | 63 |
| 9 | Role of Pulsatility in Hypothermic Reconditioning of Porcine Kidney Grafts by Machine Perfusion After Cold Storage. Transplantation, 2013, 96, 538-542. | 0.5 | 63 |
| 10 | SYNTHESIS OF HIGH ENERGY PHOSPHATES DURING COLD ISCHEMIC RAT LIVER PRESERVATION WITH GASEOUS OXYGEN INSUFFLATION ¹ . Transplantation, 1996, 61, 20-22. | 0.5 | 58 |
| 11 | Retrograde oxygen persufflation preservation of human livers: A pilot study. Liver Transplantation, 2008, 14, 358-364. | 1.3 | 57 |
| 12 | Influence of Oxygen Concentration During Hypothermic Machine Perfusion on Porcine Kidneys From Donation After Circulatory Death. Transplantation, 2014, 98, 944-950. | 0.5 | 57 |
| 13 | FIBRINOLYTIC PREFLUSH UPON LIVER RETRIEVAL FROM NON-HEART BEATING DONORS TO ENHANCE POSTPRESERVATION VIABILITY AND ENERGETIC RECOVERY UPON REPERFUSION. Transplantation, 2001, 71, 1792-1796. | 0.5 | 56 |
| 14 | Hypothermic Reconditioning of Porcine Kidney Grafts by Short-Term Preimplantation Machine Perfusion. Transplantation, 2012, 93, 787-793. | 0.5 | 54 |
| 15 | Impaired autophagic clearance after cold preservation of fatty livers correlates with tissue necrosis upon reperfusion and is reversed by hypothermic reconditioning. Liver Transplantation, 2009, 15, 798-805. | 1.3 | 53 |
| 16 | WARM PREFLUSH WITH STREPTOKINASE IMPROVES MICROVASCULAR PROCUREMENT AND TISSUE INTEGRITY IN LIVER GRAFT RETRIEVAL FROM NON-HEART-BEATING DONORS ¹ . Transplantation, 2000, 69, 1780-1784. | 0.5 | 51 |
| 17 | Hypothermic reconditioning after cold storage improves postischemic graft function in isolated porcine kidneys. Transplant International, 2010, 23, 538-542. | 0.8 | 50 |
| 18 | Controlled Rewarming after Hypothermia: Adding a New Principle to Renal Preservation. Clinical and Translational Science, 2015, 8, 475-478. | 1.5 | 50 |

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|----|--|-----|-----------|
| 19 | Effects of Oxygen During Long-term Hypothermic Machine Perfusion in a Porcine Model of Kidney Donation After Circulatory Death. <i>Transplantation</i> , 2019, 103, 2057-2064. | 0.5 | 50 |
| 20 | Optimal Time for Hypothermic Reconditioning of Liver Grafts by Venous Systemic Oxygen Persufflation in a Large Animal Model. <i>Transplantation</i> , 2011, 91, 42-47. | 0.5 | 48 |
| 21 | Kidney transplantation from non-heart-beating donors after oxygenated low-flow machine perfusion preservation with histidine?tryptophan?ketoglutarate solution. <i>Transplant International</i> , 2005, 17, 707-712. | 0.8 | 45 |
| 22 | Hypothermic reconditioning in organ transplantation. <i>Current Opinion in Organ Transplantation</i> , 2013, 18, 161-167. | 0.8 | 43 |
| 23 | Effects of taurine on liver preservation in UW solution with consecutive ischemic rewarming in the isolated perfused rat liver. <i>Transplant International</i> , 1995, 8, 174-179. | 0.8 | 41 |
| 24 | Subnormothermic machine perfusion for preservation of porcine kidneys in a donation after circulatory death model. <i>Transplant International</i> , 2014, 27, 1097-1106. | 0.8 | 41 |
| 25 | Oxygenated machine perfusion mitigates surface antigen expression and improves preservation of predamaged donor livers. <i>Cryobiology</i> , 2003, 46, 53-60. | 0.3 | 40 |
| 26 | First-in-man controlled rewarming and normothermic perfusion with cell-free solution of a kidney prior to transplantation. <i>American Journal of Transplantation</i> , 2020, 20, 1192-1195. | 2.6 | 38 |
| 27 | BIOPHYSICAL ASPECTS OF LIVER AERATION BY VASCULAR PERSUFFLATION WITH GASEOUS OXYGEN. <i>Transplantation</i> , 1997, 63, 1843-1846. | 0.5 | 38 |
| 28 | Oxygenated End-Hypothermic Machine Perfusion in Expanded Criteria Donor Kidney Transplant. <i>JAMA Surgery</i> , 2021, 156, 517. | 2.2 | 37 |
| 29 | REDUCTION OF PROTEOLYSIS BY VENOUS-SYSTEMIC OXYGEN PERSUFFLATION DURING RAT LIVER PRESERVATION AND IMPROVED FUNCTIONAL OUTCOME AFTER TRANSPLANTATION1. <i>Transplantation</i> , 1997, 63, 365-368. | 0.5 | 37 |
| 30 | Reconditioning by end-ischemic hypothermic in-house machine perfusion: A promising strategy to improve outcome in expanded criteria donors kidney transplantation. <i>Clinical Transplantation</i> , 2017, 31, e12904. | 0.8 | 36 |
| 31 | Rewarming Injury after Cold Preservation. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2059. | 1.8 | 36 |
| 32 | Function and quality of kidneys after cold storage, machine perfusion, or retrograde oxygen persufflation: Results from a porcine autotransplantation model. <i>Cryobiology</i> , 2009, 59, 19-23. | 0.3 | 34 |
| 33 | Role of Oxygenation in Hypothermic Machine Perfusion of Kidneys From Heart Beating Donors. <i>Transplantation</i> , 2012, 94, 809-813. | 0.5 | 33 |
| 34 | One or 4h of in-house reconditioning by machine perfusion after cold storage improve reperfusion parameters in porcine kidneys. <i>Transplant International</i> , 2014, 27, 1214-1219. | 0.8 | 31 |
| 35 | End-ischemic reconditioning of liver allografts: Controlling the rewarming. <i>Liver Transplantation</i> , 2016, 22, 1223-1230. | 1.3 | 31 |
| 36 | Impact of intranscemic temperature on oxidative stress during hepatic reperfusion. <i>Free Radical Biology and Medicine</i> , 2003, 35, 901-909. | 1.3 | 30 |

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|----|---|-----|-----------|
| 37 | Improvement of microvascular graft equilibration and preservation in non-heart-beating donors by warm preflush with streptokinase1. <i>Transplantation</i> , 2003, 75, 449-453. | 0.5 | 27 |
| 38 | Use of the new preservation solution Custodiol-N supplemented with dextran for hypothermic machine perfusion of the kidney. <i>Cryobiology</i> , 2013, 66, 131-135. | 0.3 | 26 |
| 39 | New Strategies and Concepts in Organ Preservation. <i>European Surgical Research</i> , 2015, 54, 114-126. | 0.6 | 26 |
| 40 | Assessment of hepatic integrity after ischemic preservation by isolated perfusion in vitro: The role of albumin. <i>Cryobiology</i> , 2007, 54, 188-195. | 0.3 | 25 |
| 41 | Prediction of renal function upon reperfusion by <i>ex situ</i> controlled oxygenated rewarming. <i>European Journal of Clinical Investigation</i> , 2016, 46, 1024-1030. | 1.7 | 25 |
| 42 | Controlled oxygenated rewarming up to normothermia for pretransplant reconditioning of liver grafts. <i>Clinical Transplantation</i> , 2017, 31, e13101. | 0.8 | 25 |
| 43 | Role of temperature in reconditioning and evaluation of cold preserved kidney and liver grafts. <i>Current Opinion in Organ Transplantation</i> , 2017, 22, 267-273. | 0.8 | 23 |
| 44 | Isolated kidney perfusion: the influence of pulsatile flow. <i>Scandinavian Journal of Clinical and Laboratory Investigation</i> , 2018, 78, 131-135. | 0.6 | 23 |
| 45 | Kidney transplantation after oxygenated machine perfusion preservation with Custodiol-N solution. <i>Transplant International</i> , 2015, 28, 1102-1108. | 0.8 | 22 |
| 46 | Role of erythrocytes in short-term rewarming kidney perfusion after cold storage. <i>Artificial Organs</i> , 2019, 43, 584-592. | 1.0 | 21 |
| 47 | Improved approach for normothermic machine perfusion of cold stored kidney grafts. <i>American Journal of Translational Research (discontinued)</i> , 2018, 10, 1921-1929. | 0.0 | 21 |
| 48 | Possibility of conditioning predamaged grafts after cold storage: influences of oxygen and nutritive stimulation. <i>Transplant International</i> , 2006, 19, 667-674. | 0.8 | 20 |
| 49 | Oxygen persufflation as adjunct in liver preservation (OPAL): Study protocol for a randomized controlled trial. <i>Trials</i> , 2011, 12, 234. | 0.7 | 20 |
| 50 | Impact of Red Blood Cells on Function and Metabolism of Porcine Deceased Donor Kidneys During Normothermic Machine Perfusion. <i>Transplantation</i> , 2022, 106, 1170-1179. | 0.5 | 19 |
| 51 | Transplantation of Cold Stored Porcine Kidneys After Controlled Oxygenated Rewarming. <i>Artificial Organs</i> , 2018, 42, 647-654. | 1.0 | 17 |
| 52 | Use of Taurine as Antioxidant in Resuscitating Livers from Non-Heart-Beating Donors by Gaseous Oxygen Persufflation. <i>Journal of Investigative Surgery</i> , 2003, 16, 7-11. | 0.6 | 16 |
| 53 | Energetic recovery in porcine grafts by minimally invasive liver oxygenation. <i>Journal of Surgical Research</i> , 2012, 178, e59-e63. | 0.8 | 16 |
| 54 | Platelet-activating factor antagonism enhances the liver's recovery from warm ischemia in situ. <i>Journal of Hepatology</i> , 1993, 18, 365-368. | 1.8 | 14 |

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|----|---|-----|-----------|
| 55 | Clinical use of controlled oxygenated rewarming of kidney grafts prior to transplantation by ex vivo machine perfusion. A pilot study. <i>European Journal of Clinical Investigation</i> , 2022, 52, e13691. | 1.7 | 13 |
| 56 | Adding Pulsatile Vascular Stimulation to Venous Systemic Oxygen Persufflation of Liver Grafts. <i>Artificial Organs</i> , 2014, 38, 404-410. | 1.0 | 12 |
| 57 | Should kidney allografts from old donors be allocated only to old recipients?. <i>Transplant International</i> , 2020, 33, 849-857. | 0.8 | 12 |
| 58 | Adenosine A2 receptor stimulation protects the predamaged liver from cold preservation through activation of cyclic adenosine monophosphate-protein kinase a pathway. <i>Liver Transplantation</i> , 2000, 6, 196-200. | 1.3 | 11 |
| 59 | Fibrinolysis in organ procurement for transplantation after cardiocirculatory compromise. <i>Thrombosis and Haemostasis</i> , 2003, 90, 361-362. | 1.8 | 11 |
| 60 | Methylene Blue Treatment of Grafts During Cold Ischemia Time Reduces the Risk of Hepatitis C Virus Transmission. <i>Journal of Infectious Diseases</i> , 2018, 218, 1711-1721. | 1.9 | 10 |
| 61 | Prediction of Hepatocellular Preservation Injury Immediately Before Human Liver Transplantation by Controlled Oxygenated Rewarming. <i>Transplantation Direct</i> , 2017, 3, e122. | 0.8 | 9 |
| 62 | Controlled Oxygenated Rewarming Compensates for Cold Storage-induced Dysfunction in Kidney Grafts. <i>Transplantation</i> , 2022, 106, 973-978. | 0.5 | 9 |
| 63 | Transient hyperthermia during oxygenated rewarming of isolated rat livers. <i>Transplant International</i> , 2020, 33, 272-278. | 0.8 | 8 |
| 64 | Reduction of Renal Preservation/Reperfusion Injury by Controlled Hyperthermia During Ex Vivo Machine Perfusion. <i>Clinical and Translational Science</i> , 2021, 14, 544-549. | 1.5 | 7 |
| 65 | Preservation of Mitochondrial Coupling and Renal Function by Controlled Oxygenated Rewarming of Porcine Kidney Grafts. <i>Biomolecules</i> , 2021, 11, 1880. | 1.8 | 7 |
| 66 | Oxygen Persufflation in Liver Transplantation Results of a Randomized Controlled Trial. <i>Bioengineering</i> , 2019, 6, 35. | 1.6 | 6 |
| 67 | Dopamine improves hypothermic machine preservation of the liver. <i>Cryobiology</i> , 2011, 63, 84-89. | 0.3 | 5 |
| 68 | Liver steatosis in pre-transplant liver biopsies can be quantified rapidly and accurately by nuclear magnetic resonance analysis. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2017, 470, 197-204. | 1.4 | 5 |
| 69 | Cold flush after dynamic liver preservation protects against ischemic changes upon reperfusion - an experimental study. <i>Transplant International</i> , 2019, 32, 218-224. | 0.8 | 5 |
| 70 | Adenosine A2a Receptor Stimulation Attenuates Ischemia-Reperfusion Injury and Improves Survival in A Porcine Model of DCD Liver Transplantation. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6747. | 1.8 | 5 |
| 71 | Analysis of Data from the Oxygen Persufflation in Liver Transplantation (OPAL) Study to Determine the Role of Factors Affecting the Hepatic Microcirculation and Early Allograft Dysfunction. <i>Annals of Transplantation</i> , 2019, 24, 481-488. | 0.5 | 5 |
| 72 | Single-center Experience with Live Kidney Donors 60 Years of Age or Older. <i>American Surgeon</i> , 2014, 80, 1230-1236. | 0.4 | 4 |

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|----|---|-----|-----------|
| 73 | Ex vivo use of a Rho-kinase inhibitor during renal preservation improves graft function upon reperfusion. <i>Cryobiology</i> , 2015, 70, 71-75. | 0.3 | 4 |
| 74 | Effect of oxygen concentration in anterograde liver persufflation on high energy phosphates and graft function after ischemic preservation. <i>Cryobiology</i> , 2020, 92, 248-250. | 0.3 | 4 |
| 75 | Use of the new preservation solution Custodiol®MP for ex vivo reconditioning of kidney grafts. <i>Artificial Organs</i> , 2021, 45, 1117-1123. | 1.0 | 2 |
| 76 | Oxygen Insufflation in University of Wisconsin Solution Ameliorates Reperfusion Injury in Small Bowel after Cold Storage and Reperfusion. <i>Annals of Transplantation</i> , 2015, 20, 469-477. | 0.5 | 2 |
| 77 | Comparison of thermal variations in post-retrieval graft conditioning on rat livers. <i>Artificial Organs</i> , 2022, 46, 239-245. | 1.0 | 2 |
| 78 | Infectivity and stability of hepatitis C virus in different perfusion solutions. <i>Transplant Infectious Disease</i> , 2019, 21, e13135. | 0.7 | 1 |
| 79 | Low-pressure machine perfusion of the kidney: role of colloidal support. <i>Transplant International</i> , 2020, 33, 465-466. | 0.8 | 1 |
| 80 | Kidney transplantation in a patient taking a direct oral anticoagulant. <i>Minerva Anestesiologica</i> , 2022, , . | 0.6 | 0 |