Anthony R J Phillips

List of Publications by Year
in descending order

111 papers	4,243 citations	117619 34 h-index	128286 60 g-index
117 all docs	117 docs citations	117 times ranked	5888 citing authors

#	Article	IF	Citations
1	Organ Failure and Infection of Pancreatic Necrosis as Determinants of Mortality in Patients With Acute Pancreatitis. Gastroenterology, 2010, 139, 813-820.	1.3	664
2	Newly diagnosed diabetes mellitus after acute pancreatitis: a systematic review and meta-analysis. Gut, 2014, 63, 818-831.	12.1	308
3	Regeneration of the Heart in Diabetes by Selective Copper Chelation. Diabetes, 2004, 53, 2501-2508.	0.6	143
4	Donor Hepatic Steatosis and Outcome After Liver Transplantation: a Systematic Review. Journal of Gastrointestinal Surgery, 2015, 19, 1713-1724.	1.7	139
5	Predictors of severe and critical acute pancreatitis: A systematic review. Digestive and Liver Disease, 2014, 46, 446-451.	0.9	136
6	A systematic review of experimental treatments for mitochondrial dysfunction in sepsis and multiple organ dysfunction syndrome. Free Radical Biology and Medicine, 2009, 47, 1517-1525.	2.9	122
7	Immunofluorescence identifies distinct subsets of endothelial cells in the human liver. Scientific Reports, 2017, 7, 44356.	3.3	106
8	Preptin derived from proinsulin-like growth factor II (proIGF-II) is secreted from pancreatic islet Î²-cells and enhances insulin secretion. Biochemical Journal, 2001, 360, 431-439.	3.7	95
9	Relationship between the exocrine and endocrine pancreas after acute pancreatitis. World Journal of Gastroenterology, 2014, 20, 17196.	3.3	93
10	Fluid Therapy in Acute Pancreatitis. Annals of Surgery, 2013, 257, 182-188.	4.2	86
11	Isolation of membrane vesicles from prokaryotes: a technical and biological comparison reveals heterogeneity. Journal of Extracellular Vesicles, 2017, 6, 1324731.	12.2	85
12	Analysis of the Escherichia coli extracellular vesicle proteome identifies markers of purity and culture conditions. Journal of Extracellular Vesicles, 2019, 8, 1632099.	12.2	79
13	Early nasogastric tube feeding versus nil per os in mild to moderate acute pancreatitis: A randomized controlled trial. Clinical Nutrition, 2013, 32, 697-703.	5.0	77
14	Renal Lymphatics: Anatomy, Physiology, and Clinical Implications. Frontiers in Physiology, 2019, 10, 251.	2.8	70
15	Three-colour fluorescence immunohistochemistry reveals the diversity of cells staining for macrophage markers in murine spleen and liver. Journal of Immunological Methods, 2008, 334, 70-81.	1.4	67
16	The clinical relevance of obesity in acute pancreatitis: Targeted systematic reviews. Pancreatology, 2015, 15, 25-33.	1.1	67
17	The Pathogenesis of Nonocclusive Mesenteric Ischemia: Implications for Research and Clinical Practice. Journal of Intensive Care Medicine, 2019, 34, 771-781.	2.8	64
18	Mesenteric lymphatic dysfunction promotes insulin resistance and represents a potential treatment target in obesity. Nature Metabolism, 2021, 3, 1175-1188.	11.9	56

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19	Targeting Cx43 and N-Cadherin, Which Are Abnormally Upregulated in Venous Leg Ulcers, Influences Migration, Adhesion and Activation of Rho GTPases. PLoS ONE, 2012, 7, e37374.	2.5	55
20	Rapid electroanalysis of uric acid and ascorbic acid using a poly(3,4-ethylenedioxythiophene)-modified sensor with application to milk. Electrochimica Acta, 2018, 265, 184-193.	5.2	53
21	Minimally Invasive Management of Pancreatic Abscess, Pseudocyst, and Necrosis: A Systematic Review of Current Guidelines. World Journal of Surgery, 2008, 32, 2383-2394.	1.6	51
22	Tetracycline Treatment Retards the Onset and Slows the Progression of Diabetes in Human Amylin/Islet Amyloid Polypeptide Transgenic Mice. Diabetes, 2010, 59, 161-171.	0.6	50
23	Organ-wide 3D-imaging and topological analysis of the continuous microvascular network in a murine lymph node. Scientific Reports, 2015, 5, 16534.	3.3	50
24	The immunophenotype of antigen presenting cells of the mononuclear phagocyte system in normal human liver â€“ A systematic review. Journal of Hepatology, 2015, 62, 458-468.	3.7	50
25	Proteins Associated with Immunopurified Granules from a Model Pancreatic Islet Î²-Cell System: Proteomic Snapshot of an Endocrine Secretory Granule. Journal of Proteome Research, 2009, 8, 178-186.	3.7	49
26	Overexpression of the gap junction protein Cx43 as found in diabetic foot ulcers can retard fibroblast migration. Cell Biology International, 2012, 36, 661-667.	3.0	49
27	Detection of Neurotransmitters by Three-Dimensional Laser-Scribed Graphene Grass Electrodes. ACS Applied Materials & Interfaces, 2018, 10, 42136-42145.	8.0	49
28	Altered Calcium Homeostasis Does Not Explain the Contractile Deficit of Diabetic Cardiomyopathy. Diabetes, 2008, 57, 2158-2166.	0.6	48
29	Redox status of acute pancreatitis as measured by cyclic voltammetry: Initial rodent studies to assess disease severity*. Critical Care Medicine, 2008, 36, 866-872.	0.9	46
30	A systematic review of the extra-pancreatic infectious complications in acute pancreatitis. Pancreatology, 2014, 14, 436-443.	1.1	46
31	Molecular Changes Evoked by Triethylenetetramine Treatment in the Extracellular Matrix of the Heart and Aorta in Diabetic Rats. Molecular Pharmacology, 2006, 70, 2045-2051.	2.3	41
32	The Potential Role for Xanthine Oxidase Inhibition in Major Intraâ€abdominal Surgery. World Journal of Surgery, 2008, 32, 288-295.	1.6	40
33	The pathogenic mechanism of diabetes varies with the degree of overexpression and oligomerization of human amylin in the pancreatic islet Î² cells. FASEB Journal, 2014, 28, 5083-5096.	0.5	38
34	Quantitative proteomic profiling identifies new renal targets of copper(II)â€selective chelation in the reversal of diabetic nephropathy in rats. Proteomics, 2009, 9, 4309-4320.	2.2	37
35	Birds and longevity: Does flight driven aerobicity provide an oxidative sink?. Ageing Research Reviews, 2012, 11, 242-253.	10.9	35
36	A Comprehensive Classification of Invasive Procedures for Treating the Local Complications of Acute Pancreatitis Based on Visualization, Route, and Purpose. Pancreatology, 2011, 11, 406-413.	1.1	30

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37	CHANGES IN THE MESENTERIC LYMPH PROTEOME INDUCED BY HEMORRHAGIC SHOCK. Shock, 2010, 34, 140-149.	2.1	28
38	Sustained Release of Cx43 Antisense Oligodeoxynucleotides from Coated Collagen Scaffolds Promotes Wound Healing. Advanced Healthcare Materials, 2016, 5, 1786-1799.	7.6	28
39	Rutin suppresses human-amylin/hIAPP misfolding and oligomer formation in-vitro , and ameliorates diabetes and its impacts in human-amylin/hIAPP transgenic mice. Biochemical and Biophysical Research Communications, 2017, 482, 625-631.	2.1	28
40	Lymphatic Uptake of Liposomes after Intraperitoneal Administration Primarily Occurs via the Diaphragmatic Lymphatics and is Dependent on Liposome Surface Properties. Molecular Pharmaceutics, 2019, 16, 4987-4999.	4.6	28
41	The anatomy and physiology of the terminal thoracic duct and ostial valve in health and disease: potential implications for intervention. Journal of Anatomy, 2018, 233, 1-14.	1.5	27
42	Transcriptomic analysis of the cardiac left ventricle in a rodent model of diabetic cardiomyopathy: molecular snapshot of a severe myocardial disease. Physiological Genomics, 2007, 28, 284-293.	2.3	26
43	Uncoupling of oxidative phosphorylation and ATP synthase reversal within the hyperthermic heart. Physiological Reports, 2014, 2, e12138.	1.7	26
44	Extracellular vesicles produced by the protozoan parasite Trichomonas vaginalis contain a preferential cargo of tRNA-derived small RNAs. International Journal for Parasitology, 2020, 50, 1145-1155.	3.1	26
45	Integration of Scaffolds into Fullâ€Thickness Skin Wounds: The Connexin Response. Advanced Healthcare Materials, 2013, 2, 1151-1160.	7.6	25
46	High-resolution 3D imaging and topological mapping of the lymph node conduit system. PLoS Biology, 2019, 17, e3000486.	5.6	24
47	Electrochemical Methods for the Analysis of Milk. Journal of Agricultural and Food Chemistry, 2022, 70, 2427-2449.	5.2	24
48	Intestinal Lymph Flow, and Lipid and Drug Transport Scale Allometrically From Pre-clinical Species to Humans. Frontiers in Physiology, 2020, 11, 458.	2.8	23
49	Early organ-specific mitochondrial dysfunction of jejunum and lung found in rats with experimental acute pancreatitis. Hpb, 2011, 13, 332-341.	0.3	22
50	A comprehensive classification of invasive procedures for treating the local complications of acute pancreatitis based on visualization, route, and purpose. Pancreatology, 2011, 11, 406-13.	1.1	22
51	Ethnic Disparity of Pancreatic Cancer in New Zealand. International Journal of Gastrointestinal Cancer, 2002, 31, 137-146.	0.4	21
52	Impact of ischaemic preconditioning on experimental steatotic livers following hepatic ischaemiaâ€“reperfusion injury: a systematic review. Hpb, 2015, 17, 1-10.	0.3	21
53	Cyclic Voltammetry in Biological Samples: A Systematic Review of Methods and Techniques Applicable to Clinical Settings. Signals, 2021, 2, 138-158.	1.9	20
54	Indications, techniques, and clinical outcomes of thoracic duct interventions in patients: a forgotten literature?. Journal of Surgical Research, 2016, 204, 213-227.	1.6	18

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55	Nonocclusive mesenteric infarction after cardiac surgery: potential biomarkers. Journal of Surgical Research, 2017, 211, 21-29.	1.6	18
56	Novel strategies for the treatment of acute pancreatitis based on the determinants of severity. Journal of Gastroenterology and Hepatology (Australia), 2017, 32, 1796-1803.	2.8	18
57	Changes in the extracellular matrix surrounding human chronic wounds revealed by 2â€photon imaging. International Wound Journal, 2017, 14, 1225-1236.	2.9	18
58	Application of cyclic voltammetry to analyse uric acid and reducing agents in commercial milks. Food Chemistry, 2019, 293, 23-31.	8.2	18
59	THE REDOX STATUS OF EXPERIMENTAL HEMORRHAGIC SHOCK AS MEASURED BY CYCLIC VOLTAMMETRY. Shock, 2010, 33, 460-466.	2.1	17
60	Steatotic livers are susceptible to normothermic ischemia-reperfusion injury from mitochondrial Complex-Iâ€…dysfunction. World Journal of Gastroenterology, 2016, 22, 4673.	3.3	17
61	The role of host molecules in communication with the resident and pathogenic microbiota: A review. Medicine in Microecology, 2020, 4, 100005.	1.6	16
62	Gall bladder cancer, extrahepatic bile duct cancer and ampullary carcinoma in New Zealand: Demographics, pathology and survival. ANZ Journal of Surgery, 2002, 72, 857-861.	0.7	15
63	Characterization of Dicarboxylic Salts of Protonated Triethylenetetramine Useful for the Treatment of Copper-Related Pathologies. Crystal Growth and Design, 2007, 7, 1844-1850.	3.0	15
64	Connexin dynamics in the privileged wound healing of the buccal mucosa. Wound Repair and Regeneration, 2013, 21, 571-578.	3.0	15
65	The effect of enteral nutrition on adipokines in patients with acute pancreatitis. Journal of Nutritional Science, 2015, 4, e33.	1.9	15
66	Acute pancreatitis conditioned mesenteric lymph causes cardiac dysfunction in rats independent of hypotension. Surgery, 2018, 163, 1097-1105.	1.9	15
67	The diabetic rat kidney mediates inosituria and selective urinary partitioning of D-chiro-inositol. Experimental Biology and Medicine, 2015, 240, 8-14.	2.4	14
68	The complex, bidirectional role of extracellular vesicles in infection. Biochemical Society Transactions, 2021, 49, 881-891.	3.4	14
69	Impact of Ischemic Preconditioning on Outcome in Clinical Liver Surgery: A Systematic Review. BioMed Research International, 2015, 2015, 1-13.	1.9	13
70	Ghrelin and gastroparesis as early predictors of clinical outcomes inÂacute pancreatitis. Pancreatology, 2016, 16, 181-188.	1.1	13
71	Therapeutic delivery to the peritoneal lymphatics: Current understanding, potential treatment benefits and future prospects. International Journal of Pharmaceutics, 2019, 567, 118456.	5.2	13
72	Warming and humidification have no effect on oxidative stress during pneumoperitoneum in rats. Minimally Invasive Therapy and Allied Technologies, 2011, 20, 329-337.	1.2	12

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73	Glicentin-related pancreatic polypeptide inhibits glucose-stimulated insulin secretion from the isolated pancreas of adult male rats. Physiological Reports, 2015, 3, e12638.	1.7	12
74	Response and outcome from fluid resuscitation in acute pancreatitis: a prospective cohort study. Hpb, 2018, 20, 1082-1091.	0.3	12
75	Ob/ob Mouse Livers Show Decreased Oxidative Phosphorylation Efficiencies and Anaerobic Capacities after Cold Ischemia. PLoS ONE, 2014, 9, e100609.	2.5	12
76	Mitochondrial dysfunction in peripheral blood mononuclear cells in early experimental and clinical acute pancreatitis. Pancreatology, 2016, 16, 739-747.	1.1	11
77	Lymphatic contractile function: a comprehensive review of drug effects and potential clinical application. Cardiovascular Research, 2022, 118, 2437-2457.	3.8	11
78	Amylin and Severe Acute Pancreatitis. Pancreas, 2000, 20, 105-106.	1.1	11
79	A Method Using Laser Doppler Flowmetry to Study Intestinal and Pancreatic Perfusion during an Acute Intestinal Ischaemic Injury in Rats with Pancreatitis. European Surgical Research, 2001, 33, 361-369.	1.3	10
80	Probing the urinary proteome of severe acute pancreatitis. Hpb, 2007, 9, 447-455.	0.3	10
81	A simple and rapid method for identifying and semiâ€quantifying peptide hormones in isolated pancreatic islets by directâ€tissue matrixâ€assisted laser desorption ionization timeâ€ofâ€flight mass spectrometry. Rapid Communications in Mass Spectrometry, 2011, 25, 3387-3395.	1.5	10
82	The action of mimetic peptides on connexins protects fibroblasts from the negative effects of ischemia reperfusion. Biology Open, 2015, 4, 1473-1480.	1.2	10
83	Intestinal delivery in a long-chain fatty acid formulation enables lymphatic transport and systemic exposure of orlistat. International Journal of Pharmaceutics, 2021, 596, 120247.	5.2	10
84	A novel two-chain IGF-II-derived peptide from purified Î²-cell granules. Growth Hormone and IGF Research, 2010, 20, 360-366.	1.1	9
85	Connexin gap junction channels and chronic rhinosinusitis. International Forum of Allergy and Rhinology, 2016, 6, 611-617.	2.8	9
86	Effect of the Extracellular Vesicle RNA Cargo From Uropathogenic Escherichia coli on Bladder Cells. Frontiers in Molecular Biosciences, 2020, 7, 580913.	3.5	9
87	Electrochemical Study of Gold Microelectrodes Modified with PEDOT to Quantify Uric Acid in Milk Samples. Electroanalysis, 2020, 32, 2101-2111.	2.9	9
88	Illuminating the molecular basis of diabetic arteriopathy: A proteomic comparison of aortic tissue from diabetic and healthy rats. Proteomics, 2010, 10, 3367-3378.	2.2	8
89	Anatomy of the lymphovenous valve of the thoracic duct in humans. Journal of Anatomy, 2020, 236, 1146-1153.	1.5	8
90	The Lymphovenous Junction of the Thoracic Duct: A Systematic Review of its Structural and Functional Anatomy. Lymphatic Research and Biology, 2021, 19, 215-222.	1.1	8

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91	Meta-Analysis of the Composition of Human Intestinal Gases. Digestive Diseases and Sciences, 2022, 67, 3842-3859.	2.3	8
92	Low-dose copper infusion into the coronary circulation induces acute heart failure in diabetic rats: New mechanism of heart disease. Biochemical Pharmacology, 2015, 97, 62-76.	4.4	7
93	Research Priorities in Lymphatic Interventions: Recommendations from a Multidisciplinary Research Consensus Panel. Journal of Vascular and Interventional Radiology, 2021, 32, 762.e1-762.e7.	0.5	7
94	The Challenges and Effects of Ascorbic Acid Treatment of Acute Pancreatitis: A Systematic Review and Meta-Analysis of Preclinical and Clinical Studies. Frontiers in Nutrition, 2021, 8, 734558.	3.7	6
95	The Effects of NLRP3 Inflammasome Inhibition in Experimental Acute Pancreatitis. Pancreas, 2022, 51, 13-24.	1.1	6
96	The Isolated Perfused Rat Kidney: A Technical Update. Experimental Animals, 2013, 62, 19-23.	1.1	5
97	Hepatic Mitochondrial Function Analysis Using Needle Liver Biopsy Samples. PLoS ONE, 2013, 8, e79097.	2.5	5
98	Characterisation of an ischemia reperfusion model for the formation of a stage I pressure ulcer in mouse skin. Journal of Tissue Viability, 2021, 30, 352-362.	2.0	5
99	Targeting Cx26 Expression by Sustained Release of Cx26 Antisense from Scaffolds Reduces Inflammation and Improves Wound Healing. Advanced Biology, 2018, 2, 1800227.	3.0	4
100	The Impact of Undergraduate Research Journals on the Scholarly World: Present but Small. Education Sciences, 2020, 10, 338.	2.6	4
101	Vmeasur: A software package for experimental and clinical measurement of mesenteric lymphatic contractile function over an extended vessel length. Microcirculation, 2022, , e12748.	1.8	4
102	Methods for studying pulmonary lymphatics. European Respiratory Journal, 2021, 57, 2004106.	6.7	3
103	The Diagnosis and Treatment of Local Complications of Acute Necrotizing Pancreatitis in China: A National Survey. Gastroenterology Research and Practice, 2021, 2021, 1-8.	1.5	3
104	The effect of respiration and body position on terminal thoracic duct diameter and the lymphovenous junction: An exploratory ultrasound study. Clinical Anatomy, 2021, , .	2.7	3
105	Quantitative data describing the impact of the flavonol rutin on in-vivo blood-glucose and fluid-intake profiles, and survival of human-amylin transgenic mice. Data in Brief, 2017, 10, 298-303.	1.0	2
106	Improving Small Intestinal Motility in Experimental Acute Necrotising Pancreatitis by Modulating the CPI-17/MLCP Pathway Using Chaiqin Chengqi Decoction. Evidence-based Complementary and Alternative Medicine, 2020, 2020, 1-14.	1.2	1
107	Sampling Thoracic Duct Lymph After Esophagectomy: A Pilot Study Investigating the â€œGut-Lymphâ€• Concept. Lymphatic Research and Biology, 2021, , .	1.1	1
108	Tracking Antioxidant Status in Spinal Cord Injured Rodents: A Voltammetric Method Suited for Clinical Translation. World Neurosurgery, 2022, , .	1.3	1

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109	Bio-Mimicking Acellular Wet Electrospun Scaffolds Promote Accelerated Integration and Re-Epithelialization of Full-Thickness Dermal Wounds. Bioengineering, 2022, 9, 324.	3.5	1
110	Altered Metabolic Profile of Triglyceride-Rich Lipoproteins in Gut-Lymph of Rodent Models of Sepsis and Gut Ischemia-Reperfusion Injury. Digestive Diseases and Sciences, 2018, 63, 3317-3328.	2.3	0
111	Conservative fluid resuscitation and aggressive enteral nutrition: A potentially lethal combination in patients with critical illness. ANZ Journal of Surgery, 2021, 91, 1333-1334.	0.7	0