

# Vijayaragavan Muralidharan Fracs

List of Publications by Year  
in descending order

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116  
papers

2,476  
citations

186265

28  
h-index

233421

45  
g-index

116  
all docs

116  
docs citations

116  
times ranked

3356  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanisms of Focal Heat Destruction of Liver Tumors. Journal of Surgical Research, 2005, 127, 208-223.	1.6	328
2	Aneurysms of the splenic artery – A review. Journal of the Royal College of Surgeons of Edinburgh, 2010, 8, 223-231.	1.8	142
3	Effect of ACE inhibitors and angiotensin II receptor antagonists in a mouse model of colorectal cancer liver metastases. Journal of Gastroenterology and Hepatology (Australia), 2007, 22, 577-584.	2.8	116
4	Machine-Learning Algorithms Predict Graft Failure After Liver Transplantation. Transplantation, 2017, 101, e125-e132.	1.0	106
5	Specialist Early and Immediate Repair of Post-laparoscopic Cholecystectomy Bile Duct Injuries Is Associated With an Improved Long-term Outcome. Annals of Surgery, 2011, 253, 553-560.	4.2	91
6	Liver Regeneration Stimulates Tumor Metastases. Journal of Surgical Research, 2007, 138, 284-290.	1.6	72
7	Outcomes of contemporary management of gangrenous and non-gangrenous acute cholecystitis. Hpb, 2011, 13, 551-558.	0.3	59
8	Altered growth patterns of colorectal liver metastases after thermal ablation. Surgery, 2006, 139, 73-81.	1.9	58
9	Acute cholangitis: current concepts. ANZ Journal of Surgery, 2017, 87, 554-559.	0.7	51
10	In vitro and in vivo evaluation of tumor targeting styrene-maleic acid copolymer-pirarubicin micelles: Survival improvement and inhibition of liver metastases. Cancer Science, 2010, 101, 1866-1874.	3.9	49
11	Risk factors for liver transplantation waiting list mortality. Journal of Gastroenterology and Hepatology (Australia), 2007, 22, 119-124.	2.8	47
12	Long-term Survival of Patients with Unresectable Colorectal Liver Metastases treated by Percutaneous Interstitial Laser Thermotherapy. World Journal of Surgery, 2004, 28, 987-994.	1.6	44
13	Progressive microvascular injury in liver and colorectal liver metastases following laser induced focal hyperthermia therapy. Lasers in Surgery and Medicine, 2005, 37, 64-73.	2.1	41
14	Styrene Maleic Acid-Pirarubicin Disrupts Tumor Microcirculation and Enhances the Permeability of Colorectal Liver Metastases. Journal of Vascular Research, 2009, 46, 218-228.	1.4	40
15	Outcomes of cholecystectomy for treatment of acute cholecystitis in octogenarians. ANZ Journal of Surgery, 2014, 84, 943-948.	0.7	40
16	Patterns of heat shock protein (HSP70) expression and Kupffer cell activity following thermal ablation of liver and colorectal liver metastases. International Journal of Hyperthermia, 2005, 21, 319-332.	2.5	38
17	The management of coagulopathy and blood loss in liver surgery. Seminars in Hematology, 2004, 41, 132-139.	3.4	36
18	Liver transplant recipient selection: MELD vs. clinical judgment. Liver Transplantation, 2005, 11, 621-626.	2.4	35

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19	A systematic review of small for size syndrome after major hepatectomy and liver transplantation. Hpb, 2020, 22, 487-496.	0.3	35
20	Blockade of the renin-angiotensin system inhibits growth of colorectal cancer liver metastases in the regenerating liver. Clinical and Experimental Metastasis, 2014, 31, 395-405.	3.3	34
21	Prognostic Ability of <sup>18</sup> F-FDG PET/CT in the Assessment of Colorectal Liver Metastases. Journal of Nuclear Medicine, 2012, 53, 1345-1351.	5.0	33
22	Serum carbohydrate antigen 19-9 in pancreatic adenocarcinoma: a mini review for surgeons. ANZ Journal of Surgery, 2017, 87, 987-992.	0.7	33
23	Interstitial laser thermotherapy in the treatment of colorectal liver metastases. Journal of Surgical Oncology, 2001, 76, 73-81.	1.7	32
24	Spatial morphological and molecular differences within solid tumors may contribute to the failure of vascular disruptive agent treatments. BMC Cancer, 2012, 12, 522.	2.6	32
25	Treatment of hepatocellular carcinoma by percutaneous laser hyperthermia. Journal of Gastroenterology and Hepatology (Australia), 2001, 16, 548-552.	2.8	31
26	Pressurized Pulse Irrigation with Saline Reduces Surgical Site Infections following Major Hepatobiliary and Pancreatic Surgery: Randomized Controlled Trial. World Journal of Surgery, 2014, 38, 447-455.	1.6	29
27	Laparoscopic or open appendectomy for suspected appendicitis in pregnancy and evaluation of foetal outcome in Australia. ANZ Journal of Surgery, 2017, 87, 334-338.	0.7	29
28	The Measurement of Donor-Specific Cell-Free DNA Identifies Recipients With Biopsy-Proven Acute Rejection Requiring Treatment After Liver Transplantation. Transplantation Direct, 2019, 5, e462.	1.6	29
29	Interstitial Laser Hyperthermia for Colorectal Liver Metastases: The Effect of Thermal Sensitization and the Use of a Cylindrical Diffuser Tip on Tumor Necrosis. Photomedicine and Laser Surgery, 2002, 20, 189-196.	0.9	28
30	Metabolic Response to Preoperative Chemotherapy Predicts Prognosis for Patients Undergoing Surgical Resection of Colorectal Cancer Metastatic to the Liver. Annals of Surgical Oncology, 2014, 21, 2420-2428.	1.5	28
31	A fast track recovery program significantly reduces hospital length of stay following uncomplicated pancreaticoduodenectomy. JOP: Journal of the Pancreas, 2013, 14, 63-70.	1.5	28
32	Effect of Blood Flow Occlusion on Laser Hyperthermia for Liver Metastases. Journal of Surgical Research, 2002, 103, 165-174.	1.6	24
33	Percutaneous Cholecystostomy for Treatment of Acute Cholecystitis in the Era of Early Laparoscopic Cholecystectomy. Surgical Laparoscopy, Endoscopy and Percutaneous Techniques, 2013, 23, 474-480.	0.8	24
34	IMPACT OF BLOOD FLOW OCCLUSION ON LIVER NECROSIS FOLLOWING THERMAL ABLATION. ANZ Journal of Surgery, 2006, 76, 84-91.	0.7	23
35	Hyperbaric oxygen therapy and liver transplantation. Hpb, 2007, 9, 174-182.	0.3	23
36	Focal intrahepatic strictures: a review of diagnosis and management. Hpb, 2012, 14, 425-434.	0.3	23

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37	Probe-Free Digital PCR Quantitative Methodology to Measure Donor-Specific Cell-Free DNA after Solid-Organ Transplantation. <i>Clinical Chemistry</i> , 2017, 63, 742-750.	3.2	23
38	Local resection of ampullary adenocarcinomas of the duodenum. <i>ANZ Journal of Surgery</i> , 2001, 71, 529-533.	0.7	20
39	Scanning electron microscopy study of the blood supply of human colorectal liver metastases. <i>European Journal of Surgical Oncology</i> , 2003, 29, 856-861.	1.0	20
40	Age 80 years and over is not associated with increased morbidity and mortality following pancreaticoduodenectomy. <i>ANZ Journal of Surgery</i> , 2018, 88, E445-E450.	0.7	19
41	Searching for the link; mechanisms underlying liver regeneration and recurrence of colorectal liver metastasis post partial hepatectomy. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2019, 34, 1276-1286.	2.8	18
42	Donor-specific cell-free DNA as a biomarker in liver transplantation: A review. <i>World Journal of Transplantation</i> , 2020, 10, 307-319.	1.6	18
43	Blockade of the renin-angiotensin system improves the early stages of liver regeneration and liver function. <i>Journal of Surgical Research</i> , 2013, 179, 66-71.	1.6	17
44	Arterial conduits for hepatic artery revascularisation in adult liver transplantation. <i>Transplant International</i> , 2004, 17, 163-168.	1.6	16
45	Alterations in vascular architecture and permeability following OXi4503 treatment. <i>Anti-Cancer Drugs</i> , 2008, 19, 17-22.	1.4	15
46	Hyperbaric oxygen therapy for severe acute pancreatitis. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2007, 22, 2042-2046.	2.8	14
47	Hyperbaric Oxygen Therapy Reduces Severity and Improves Survival in Severe Acute Pancreatitis. <i>Journal of Gastrointestinal Surgery</i> , 2007, 11, 1008-1015.	1.7	14
48	Intraoperative Functional Liver Remnant Assessment With Indocyanine Green Clearance. <i>Annals of Surgery</i> , 2015, 261, e43-e45.	4.2	14
49	Effect of Interstitial Laser Hyperthermia in a Murine Model of Colorectal Liver Metastases: Scanning Electron Microscopic Study. <i>World Journal of Surgery</i> , 2004, 28, 33-37.	1.6	13
50	Treatment with the vascular disruptive agent OXi4503 induces an immediate and widespread epithelial to mesenchymal transition in the surviving tumor. <i>Cancer Medicine</i> , 2013, 2, 595-610.	2.8	13
51	Reduction in delayed gastric emptying following non-pylorus preserving pancreaticoduodenectomy by addition of a Braun enteroenterostomy. <i>JOP: Journal of the Pancreas</i> , 2012, 13, 488-96.	1.5	13
52	Effect of vascular targeting agent Oxi4503 on tumor cell kinetics in a mouse model of colorectal liver metastasis. <i>Anticancer Research</i> , 2007, 27, 2317-23.	1.1	13
53	Vascular targeting agent Oxi4503 inhibits tumor growth in a colorectal liver metastases model. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2008, 23, e96-e104.	2.8	12
54	Induction of Th1Immune responses following laser ablation in a murine model of colorectal liver metastases. <i>Journal of Translational Medicine</i> , 2011, 9, 83.	4.4	12

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55	From minimal to maximal surgery in the treatment of hepatocarcinoma: A review. World Journal of Hepatology, 2015, 7, 93.	2.0	12
56	The Effect of a Surgery-Specific Cardiac Outputâ€“Guided Haemodynamic Algorithm on Outcomes in Patients Undergoing Pancreaticoduodenectomy in a High-Volume Centre: A Retrospective Comparative Study. Anaesthesia and Intensive Care, 2017, 45, 569-580.	0.7	12
57	Preâ€“operative and intraâ€“operative chemical thromboprophylaxis increases bleeding risk following elective cholecystectomy: a multicentre (<scp>PROTECTinG</scp>) study. ANZ Journal of Surgery, 2020, 90, 2449-2455.	0.7	12
58	Captopril, a Renin-Angiotensin System Inhibitor, Attenuates Features of Tumor Invasion and Down-Regulates C-Myc Expression in a Mouse Model of Colorectal Cancer Liver Metastasis. Cancers, 2021, 13, 2734.	3.7	12
59	Malnutrition and low muscle strength are independent predictors of clinical outcomes and healthcare costs after liver transplant. Clinical Nutrition ESPEN, 2022, 48, 210-219.	1.2	12
60	Effect of thalidomide on colorectal cancer liver metastases in CBA mice. Journal of Surgical Oncology, 2005, 91, 134-140.	1.7	11
61	Assessment of Liver Remnant Using ICG Clearance Intraoperatively during Vascular Exclusion: Early Experience with the ALIIVE Technique. HPB Surgery, 2015, 2015, 1-9.	2.2	11
62	Sex Differences and Outcomes of Management of Acute Cholecystitis. Surgical Laparoscopy, Endoscopy and Percutaneous Techniques, 2013, 23, 61-65.	0.8	10
63	Effect of interstitial laser hyperthermia in a murine model of colorectal liver metastases. Journal of Gastrointestinal Surgery, 2001, 5, 646-657.	1.7	9
64	Outcomes of central hepatectomy versus extended hepatectomy. Hepatobiliary and Pancreatic Diseases International, 2019, 18, 249-254.	1.3	9
65	High Speed Centrifugation Before Frozen Storage of Plasma Is Critical for Quantitative Analysis of Mitochondrial-Derived Cell-Free DNA. Clinical Chemistry, 2020, 66, 1111-1114.	3.2	9
66	Outcomes after identical and compatible orthotopic liver transplantation for fulminant hepatic failure: a single center experience in UK. Transplant International, 2007, 20, 659-665.	1.6	8
67	Hyperbaric Oxygen Improves Capillary Morphology in Severe Acute Pancreatitis. Pancreas, 2008, 36, 70-75.	1.1	8
68	Hyperbaric oxygen therapy reduces the severity of ischaemia, preservation and reperfusion injury in a rat model of liver transplantation. Hpb, 2012, 14, 103-114.	0.3	8
69	Elevated levels of circulating mitochondrial DNA predict early allograft dysfunction in patients following liver transplantation. Journal of Gastroenterology and Hepatology (Australia), 2021, 36, 3500-3507.	2.8	8
70	Interstitial Laser Hyperthermia and the Biological Characteristics of Tumor: Study in a Murine Model of Colorectal Liver Metastases. Photomedicine and Laser Surgery, 2003, 21, 75-83.	0.9	7
71	Changes in growth factor levels after thermal ablation in a murine model of colorectal liver metastases. Hpb, 2011, 13, 246-255.	0.3	7
72	Lymphatics and colorectal liver metastases: the case for sentinel node mapping. Hpb, 2014, 16, 124-130.	0.3	7

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73	Hepatectomy after bile duct injury: a systematic review. Hpb, 2022, 24, 161-168.	0.3	7
74	Neuroendocrine tumours of the ampulla of vater. ANZ Journal of Surgery, 2002, 72, 531-533.	0.7	6
75	Outcomes of patients with histologically proven acute acalculous cholecystitis. ANZ Journal of Surgery, 2012, 82, 918-922.	0.7	6
76	Comparison of 3 Methodologies for Genotyping of Small Deletion and Insertion Polymorphisms. Clinical Chemistry, 2016, 62, 1012-1019.	3.2	6
77	Emergency presentations of acute biliary pain: changing patterns of management in a tertiary institute. ANZ Journal of Surgery, 2018, 88, 1337-1342.	0.7	6
78	A Synthetic DNA Construct to Evaluate the Recovery Efficiency of Cell-Free DNA Extraction and Bisulfite Modification. Clinical Chemistry, 2021, 67, 1201-1209.	3.2	6
79	Autoimmune pancreatitis. ANZ Journal of Surgery, 2002, 72, 450-452.	0.7	5
80	Not all hepatic carcinoids are metastases. Journal of Gastroenterology and Hepatology (Australia), 2004, 19, 232-233.	2.8	5
81	The effect of hyperbaric oxygen on apoptosis and proliferation in severe acute pancreatitis. Hpb, 2009, 11, 629-637.	0.3	5
82	Fresh Frozen Plasma Transfusion Can Confound the Analysis of Circulating Cell-Free DNA. Clinical Chemistry, 2018, 64, 749-751.	3.2	5
83	Low Levels of Hepatocyte-Specific Methylation in Cell-Free DNA Are a Strong Negative Predictor for Acute T Cell-Mediated Rejection Requiring Treatment Following Liver Transplantation. Liver Transplantation, 2022, 28, 1024-1038.	2.4	5
84	Captopril, a Renin-Angiotensin System Inhibitor, Attenuates Tumour Progression in the Regenerating Liver Following Partial Hepatectomy. International Journal of Molecular Sciences, 2022, 23, 5281.	4.1	5
85	The Prognostic Significance of Lymphatics in Colorectal Liver Metastases. HPB Surgery, 2014, 2014, 1-9.	2.2	4
86	Variation in Human Research Ethics Committee and governance processes throughout Australia: a need for a uniform approach. ANZ Journal of Surgery, 2021, 91, 2263-2268.	0.7	4
87	Results of pancreatic resection associated with portal vein resection in an Australian tertiary care centre. ANZ Journal of Surgery, 2015, 85, 270-273.	0.7	3
88	Preoperative left hepatic lobe devascularisation to minimize perioperative bleeding in a Jehovah's Witness undergoing left hepatectomy. International Journal of Surgery Case Reports, 2017, 36, 69-73.	0.6	3
89	Sentinel lymph node mapping in liver resection for colorectal liver metastases. ANZ Journal of Surgery, 2019, 89, 978-980.	0.7	3
90	Comment on: "Hypoxia differently modulates the release of mitochondrial and nuclear DNA" British Journal of Cancer, 2021, 124, 2035-2036.	6.4	3

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91	Biliary stenting versus surgical bypass for palliation of periampullary malignancy. Indian Journal of Gastroenterology, 2013, 32, 82-89.	1.4	2
92	Styrene maleic acid copolymerâ€“pirarubicin induces tumor-selective oxidative stress and decreases tumor hypoxia as possible treatment of colorectal cancer liver metastases. Surgery, 2015, 158, 236-247.	1.9	2
93	Utilizing the gall bladder as a conduit in treating biliary obstruction: a historical perspective. ANZ Journal of Surgery, 2017, 87, 110-111.	0.7	2
94	Malnutrition is Associated with Poor Outcomes after Liver Transplantation. Transplantation, 2018, 102, S870.	1.0	2
95	Adapting an Established Clinical Chemistry Quality Control Measure for Droplet Generation Performance in Digital PCR. Clinical Chemistry, 2018, 64, 1255-1257.	3.2	2
96	Dilemmas and limitations interpreting carbohydrate antigen 19-9 elevation after curative pancreatic surgery: A case report. International Journal of Surgery Case Reports, 2019, 54, 20-22.	0.6	2
97	Reduction in postâ€“operative pancreatic fistula with polyethylene glycol and recombinant human albumin sealant following stapled distal pancreatectomy. ANZ Journal of Surgery, 2021, 91, 2459-2465.	0.7	2
98	Interstitial laser thermotherapy in the treatment of colorectal liver metastases. Journal of Surgical Oncology, 2001, 76, 73-81.	1.7	2
99	Evaluating DNA recovery efficiency following bisulphite modification from plasma samples submitted for cell-free DNA methylation analysis. Epigenetics, 2022, 17, 1956-1960.	2.7	2
100	Metabolic response evaluation for colorectal liver metastases and correlation to pathologic response and tumour markers. ANZ Journal of Surgery, 2018, 88, E108-E113.	0.7	1
101	Donor-Specific Cell-Free DNA as an Emerging Biomarker of Organ Rejection after Liver Transplantation. Transplantation, 2018, 102, S182.	1.0	1
102	Elevated Plasma Levels of Cellâ€“Free DNA During Liver Transplantation Are Associated With Activation of Coagulation. Liver Transplantation, 2020, 26, 602-603.	2.4	1
103	Procurementâ€“related liver injury for transplantation: an analysis of the risk factors and consequences in an Australian transplant centre. ANZ Journal of Surgery, 2021, 91, 2669.	0.7	1
104	Primary bile duct carcinoma in histocompatibility antigen-identical twins. Journal of Gastroenterology and Hepatology (Australia), 2003, 18, 469-472.	2.8	0
105	Risk Factors of Development of Gangrenous Cholecystitis and Its Treatment Outcomes. Gastroenterology, 2011, 140, S-1046.	1.3	0
106	Intrahepatic fetus: unusual image of an intratumoural haemorrhage. BMJ Case Reports, 2017, 2017, bcr-2017-220784.	0.5	0
107	Demystifying a thickened and calcified gall bladder in the era of multimodality imaging. BMJ Case Reports, 2017, 2017, bcr-2017-222070.	0.5	0
108	C-Reactive Protein Before Liver Transplantation is Predictive of Post-Transplant Mortality. Transplantation, 2018, 102, S872.	1.0	0

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109	Prediction of Outcome of Donation after Circulatory Death Liver Transplantation – The Concept of Hypotension Exposure. Transplantation, 2018, 102, S149.	1.0	0
110	Training the general surgeon: balancing core and subspecialty exposure. ANZ Journal of Surgery, 2021, 91, 1053-1054.	0.7	0
111	Anaesthesia techniques and advanced monitoring in CANVAS patients - Implications for postoperative morbidity and patient recovery: A case report. International Journal of Surgery Case Reports, 2021, 83, 106058.	0.6	0
112	An unusual cause of enteric pneumatosis. ANZ Journal of Surgery, 2021, , .	0.7	0
113	Editorial: reducing blood loss in liver transplantation – the impact of surgical technique. Annals of Translational Medicine, 2021, 9, 1636-1636.	1.7	0
114	Abstract 3707: Captopril inhibits colorectal cancer liver metastases following 70% partial hepatectomy in a mouse model. , 2012, , .		0
115	What makes an article impactful?. ANZ Journal of Surgery, 2020, 90, 8-8.	0.7	0
116	Pancreatic mass in a patient undergoing immunotherapy for metastatic renal cell carcinoma: dilemmas in management. ANZ Journal of Surgery, 2021, , .	0.7	0