

# Věclav Liška

## List of Publications by Year in descending order

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106  
papers

2,256  
citations

304743

22  
h-index

254184

43  
g-index

113  
all docs

113  
docs citations

113  
times ranked

4117  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fusobacterium nucleatum associates with stages of colorectal neoplasia development, colorectal cancer and disease outcome. European Journal of Clinical Microbiology and Infectious Diseases, 2014, 33, 1381-1390.	2.9	397
2	HOTAIR long non-coding RNA is a negative prognostic factor not only in primary tumors, but also in the blood of colorectal cancer patients. Carcinogenesis, 2014, 35, 1510-1515.	2.8	227
3	The role of ABC transporters in progression and clinical outcome of colorectal cancer. Mutagenesis, 2012, 27, 187-196.	2.6	198
4	Relevance of miR-21 and miR-143 expression in tissue samples of colorectal carcinoma and its liver metastases. Cancer Genetics and Cytogenetics, 2010, 200, 154-160.	1.0	139
5	Functional, Genetic, and Epigenetic Aspects of Base and Nucleotide Excision Repair in Colorectal Carcinomas. Clinical Cancer Research, 2012, 18, 5878-5887.	7.0	66
6	A Double Edged Sword Role of Interleukin-22 in Wound Healing and Tissue Regeneration. Frontiers in Immunology, 2020, 11, 2148.	4.8	60
7	Primers ITS1, ITS2 and ITS4 detect the intraspecies variability in the internal transcribed spacers and 5.8S rRNA gene region in clinical isolates of fungi. Folia Microbiologica, 2003, 48, 233-238.	2.3	48
8	The Role of Cetuximab in the Induction of Anticancer Immune Response in Colorectal Cancer Treatment. Anticancer Research, 2016, 36, 4421-4426.	1.1	40
9	G12V and G12A KRAS mutations are associated with poor outcome in patients with metastatic colorectal cancer treated with bevacizumab. Tumor Biology, 2016, 37, 6823-6830.	1.8	38
10	Differences in nucleotide excision repair capacity between newly diagnosed colorectal cancer patients and healthy controls. Mutagenesis, 2012, 27, 225-232.	2.6	35
11	Decellularized xenogeneic scaffolds in transplantation and tissue engineering: Immunogenicity versus positive cell stimulation. Materials Science and Engineering C, 2021, 127, 112203.	7.3	35
12	Expression of Selenoprotein Genes and Association with Selenium Status in Colorectal Adenoma and Colorectal Cancer. Nutrients, 2018, 10, 1812.	4.1	34
13	The contribution of vascular smooth muscle, elastin and collagen on the passive mechanics of porcine carotid arteries. Physiological Measurement, 2012, 33, 1335-1351.	2.1	33
14	Fusobacterium nucleatum tumor DNA levels are associated with survival in colorectal cancer patients. European Journal of Clinical Microbiology and Infectious Diseases, 2019, 38, 1891-1899.	2.9	33
15	Segmental and age differences in the elastin network, collagen, and smooth muscle phenotype in the tunica media of the porcine aorta. Annals of Anatomy, 2015, 201, 79-90.	1.9	32
16	Stereological analysis of size and density of hepatocytes in the porcine liver. Journal of Anatomy, 2017, 230, 575-588.	1.5	29
17	Expression profile of miR-17/92 cluster is predictive of treatment response in rectal cancer. Carcinogenesis, 2018, 39, 1359-1367.	2.8	29
18	Relationship of telomere length in colorectal cancer patients with cancer phenotype and patient prognosis. British Journal of Cancer, 2019, 121, 344-350.	6.4	28

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19	Immunohistochemical Detection of Cancer Stem Cell Related Markers CD44 and CD133 in Metastatic Colorectal Cancer Patients. <i>BioMed Research International</i> , 2014, 2014, 1-7.	1.9	27
20	Base excision repair capacity as a determinant of prognosis and therapy response in colon cancer patients. <i>DNA Repair</i> , 2018, 72, 77-85.	2.8	27
21	lncRNAs in Non-Malignant Tissue Have Prognostic Value in Colorectal Cancer. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2672.	4.1	26
22	The association of miR-126-3p, miR-126-5p and miR-664-3p expression profiles with outcomes of patients with metastatic colorectal cancer treated with bevacizumab. <i>Tumor Biology</i> , 2017, 39, 101042831770928.	1.8	24
23	Clinical Relevance of the Expression of mRNA of MMP-7, MMP-9, TIMP-1, TIMP-2 and CEA Tissue Samples from Colorectal Liver Metastases. <i>Tumor Biology</i> , 2007, 28, 247-252.	1.8	23
24	Molecular profile of 5-fluorouracil pathway genes in colorectal carcinoma. <i>BMC Cancer</i> , 2016, 16, 795.	2.6	23
25	Epigenome-wide analysis of DNA methylation reveals a rectal cancer-specific epigenomic signature. <i>Epigenomics</i> , 2016, 8, 1193-1207.	2.1	22
26	Hepatic Epithelioid Hemangioendothelioma – a Rare Tumor and Diagnostic Dilemma. <i>In Vivo</i> , 2017, 31, 763-767.	1.3	22
27	Genome-wide microRNA Expression Profiling in Primary Tumors and Matched Liver Metastasis of Patients with Colorectal Cancer. <i>Cancer Genomics and Proteomics</i> , 2016, 13, 311-6.	2.0	22
28	Downregulation of ABC Transporters in Non-neoplastic Tissues Confers Better Prognosis for Pancreatic and Colorectal Cancer Patients. <i>Journal of Cancer</i> , 2017, 8, 1959-1971.	2.5	20
29	Investigation of single and synergic effects of NLRC5 and PD-L1 variants on the risk of colorectal cancer. <i>PLoS ONE</i> , 2018, 13, e0192385.	2.5	20
30	Functional Polymorphisms in DNA Repair Genes Are Associated with Sporadic Colorectal Cancer Susceptibility and Clinical Outcome. <i>International Journal of Molecular Sciences</i> , 2019, 20, 97.	4.1	20
31	Novel morphological multi-scale evaluation system for quality assessment of decellularized liver scaffolds. <i>Journal of Tissue Engineering</i> , 2020, 11, 204173142092112.	5.5	20
32	Protein expression of ATP-binding cassette transporters ABCC10 and ABCC11 associates with survival of colorectal cancer patients. <i>Cancer Chemotherapy and Pharmacology</i> , 2016, 78, 595-603.	2.3	17
33	Post-treatment recovery of suboptimal DNA repair capacity and gene expression levels in colorectal cancer patients. <i>Molecular Carcinogenesis</i> , 2015, 54, 769-778.	2.7	16
34	Protein expression of ABCC2 and SLC22A3 associates with prognosis of pancreatic adenocarcinoma. <i>Scientific Reports</i> , 2019, 9, 19782.	3.3	15
35	Incidental Use of Beta-Blockers Is Associated with Outcome of Metastatic Colorectal Cancer Patients Treated with Bevacizumab-Based Therapy: A Single-Institution Retrospective Analysis of 514 Patients. <i>Cancers</i> , 2019, 11, 1856.	3.7	15
36	Evaluation of Tumor Markers and Their Impact on Prognosis in Gallbladder, Bile Duct and Cholangiocellular Carcinomas – A Pilot Study. <i>Anticancer Research</i> , 2017, 37, 2003-2010.	1.1	15

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37	Infiltration of colorectal carcinoma by S100+ dendritic cells and CD57+ lymphocytes as independent prognostic factors after radical surgical treatment. <i>Anticancer Research</i> , 2012, 32, 2129-32.	1.1	15
38	Experimental fortification of intestinal anastomoses with nanofibrous materials in a large animal model. <i>Scientific Reports</i> , 2020, 10, 1134.	3.3	14
39	Porcine liver vascular bed in Biodur E20 corrosion casts. <i>Folia Morphologica</i> , 2016, 75, 154-161.	0.8	13
40	Stereological quantification of microvessels using semiautomated evaluation of X-ray microtomography of hepatic vascular corrosion casts. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2016, 11, 1803-1819.	2.8	12
41	The use of porcine corrosion casts for teaching human anatomy. <i>Annals of Anatomy</i> , 2017, 213, 69-77.	1.9	12
42	Truncated PPM1D impairs stem cell response to genotoxic stress and promotes growth of APC-deficient tumors in the mouse colon. <i>Cell Death and Disease</i> , 2019, 10, 818.	6.3	12
43	Intraportal injection of porcine multipotent mesenchymal stromal cells augments liver regeneration after portal vein embolization. <i>In Vivo</i> , 2009, 23, 229-35.	1.3	12
44	Seven Isolates of <i>Actinomyces turicensis</i> from Patients with Surgical Infections of the Anogenital Area in a Czech Hospital. <i>Journal of Clinical Microbiology</i> , 2010, 48, 2660-2661.	3.9	11
45	Evaluation of tumour markers as differential diagnostic tool in patients with suspicion of liver metastases from breast cancer. <i>Anticancer Research</i> , 2011, 31, 1447-51.	1.1	11
46	Expression of Serpin B9 as a Prognostic Factor of Colorectal Cancer. <i>Anticancer Research</i> , 2019, 39, 6063-6066.	1.1	10
47	Epistatic effect of TLR3 and cGAS/STING/IRF3/IRF7/IRF1 signaling variants on colorectal cancer risk. <i>Cancer Medicine</i> , 2020, 9, 1473-1484.	2.8	10
48	The Predictive Role of Primary Tumour Sidedness in Metastatic Colorectal Cancer Treated With Targeted Agents. <i>Anticancer Research</i> , 2019, 39, 5645-5652.	1.1	9
49	Histological mapping of porcine carotid arteries – An animal model for the assessment of artificial conduits suitable for coronary bypass grafting in humans. <i>Annals of Anatomy</i> , 2020, 228, 151434.	1.9	9
50	The Impact of Immune Interaction on the Metastatic Infiltration of Colorectal Carcinoma to Lymph Nodes. <i>Anticancer Research</i> , 2018, 38, 4159-4167.	1.1	8
51	Using virtual microscopy for the development of sampling strategies in quantitative histology and design-based stereology. <i>Journal of Veterinary Medicine Series C: Anatomia Histologia Embryologia</i> , 2022, 51, 3-22.	0.7	8
52	The focus on sample quality: Influence of colon tissue collection on reliability of qPCR data. <i>Scientific Reports</i> , 2016, 6, 29023.	3.3	7
53	Portal Vein Embolization (PVE) Versus PVE with Haematopoietic Stem Cell Application in Patients with Primarily Non-resectable Colorectal Liver Metastases. <i>Anticancer Research</i> , 2018, 38, 5531-5537.	1.1	7
54	A Critical Analysis of Experimental Animal Models of Sinusoidal Obstruction Syndrome. <i>Journal of Clinical and Experimental Hepatology</i> , 2019, 9, 345-353.	0.9	7

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55	Semantic Segmentation of Intralobular and Extralobular Tissue from Liver Scaffold H&E Images. <i>Sensors</i> , 2020, 20, 7063.	3.8	7
56	Double-layered Nanofibrous Patch for Prevention of Anastomotic Leakage and Peritoneal Adhesions, Experimental Study. <i>In Vivo</i> , 2021, 35, 731-741.	1.3	7
57	Reinforcement of Colonic Anastomosis with Improved Ultrafine Nanofibrous Patch: Experiment on Pig. <i>Biomedicines</i> , 2021, 9, 102.	3.2	7
58	Liver Resections for Colorectal Metastases in Patients Aged Over 75 Years. <i>Anticancer Research</i> , 2017, 37, 1529-1534.	1.1	7
59	Intrahepatic biliary cystadenomaâ€”diagnosis and treatment options. <i>Turkish Journal of Gastroenterology</i> , 2016, 27, 252-256.	1.1	7
60	Long-term incidence and survival trends in cancer of the gallbladder and extrahepatic bile ducts in Denmark, Finland, Norway and Sweden with etiological implications related to Thorotrast. <i>International Journal of Cancer</i> , 2022, 151, 200-208.	5.1	7
61	Inhibition of transforming growth factor beta-1 augments liver regeneration after partial portal vein ligation in a porcine experimental model. <i>Hepato-Gastroenterology</i> , 2012, 59, 235-40.	0.5	7
62	Comparison of absolute fluid restriction versus relative volume redistribution strategy in low central venous pressure anesthesia in liver resection surgery: a randomized controlled trial. <i>Minerva Anestesiologica</i> , 2017, 83, 1051-1060.	1.0	6
63	Short article: Influence of regulatory NLRC5 variants on colorectal cancer survival and 5-fluorouracil-based chemotherapy. <i>European Journal of Gastroenterology and Hepatology</i> , 2018, 30, 838-842.	1.6	6
64	Association of miR-125b, miR-17 and let-7c Dysregulations With Response to Anti-epidermal Growth Factor Receptor Monoclonal Antibodies in Patients With Metastatic Colorectal Cancer. <i>Cancer Genomics and Proteomics</i> , 2020, 17, 605-613.	2.0	6
65	Second Primary Cancers After Liver, Gallbladder and Bile Duct Cancers, and These Cancers as Second Primary Cancers. <i>Clinical Epidemiology</i> , 2021, Volume 13, 683-691.	3.0	6
66	Genetic variations in microRNA-binding sites of solute carrier transporter genes as predictors of clinical outcome in colorectal cancer. <i>Carcinogenesis</i> , 2021, 42, 378-394.	2.8	6
67	The Association of Serum Carcinoembryonic Antigen, Carbohydrate Antigen 19-9, Thymidine Kinase, and Tissue Polypeptide Specific Antigen with Outcomes of Patients with Metastatic Colorectal Cancer Treated with Bevacizumab: a Retrospective Study. <i>Targeted Oncology</i> , 2015, 10, 549-555.	3.6	5
68	Blunt injury of liver: mechanical response of porcine liver in experimental impact test. <i>Physiological Measurement</i> , 2021, 42, 025008.	2.1	5
69	Mesenchymal Stromal Cell Therapy in Novel Porcine Model of Diffuse Liver Damage Induced by Repeated Biliary Obstruction. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4304.	4.1	5
70	Gene expression of cytokinesis regulators <i>PRC1</i> , <i>KIF14</i> and <i>CIT</i> has no prognostic role in colorectal and pancreatic cancer. <i>Oncology Letters</i> , 2021, 22, 598.	1.8	5
71	Preoperative tumor markers as prognostic factors of colorectal liver metastases. <i>Hepato-Gastroenterology</i> , 2009, 56, 317-20.	0.5	5
72	Monoclonal antibody against transforming growth factor Beta 1 does not influence liver regeneration after resection in large animal experiments. <i>In Vivo</i> , 2015, 29, 327-40.	1.3	5

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73	Familial Risks for Liver, Gallbladder and Bile Duct Cancers and for Their Risk Factors in Sweden, a Low-Incidence Country. <i>Cancers</i> , 2022, 14, 1938.	3.7	5
74	Immunosuppressive agents have an influence on ischemia-reperfusion injury in kidneys procured from a non-heart-beating donor: Experimental study. <i>Transplantation Proceedings</i> , 2004, 36, 2931-2934.	0.6	4
75	Allogeneic Venous Grafts of Different Origin Used for Portal Vein Reconstruction After Pancreaticoduodenectomy – Experimental Study. <i>Anticancer Research</i> , 2019, 39, 6603-6620.	1.1	4
76	Long-term Results of Surgery for Colorectal Liver Metastases in Terms of Primary Tumour Location and Clinical Risk Factors. <i>In Vivo</i> , 2020, 34, 2675-2685.	1.3	4
77	T- and B-Cells in the Inner Invasive Margin of Hepatocellular Carcinoma after Resection Associate with Favorable Prognosis. <i>Cancers</i> , 2022, 14, 604.	3.7	4
78	Interleukin-6 augments activation of liver regeneration in porcine model of partial portal vein ligation. <i>Anticancer Research</i> , 2009, 29, 2371-7.	1.1	4
79	Long-term incidence in hepatocellular carcinoma and intrahepatic bile duct cancer in Denmark, Finland, Norway and Sweden, role of Thorotrast?. <i>International Journal of Cancer</i> , 2022, 151, 510-517.	5.1	4
80	Non-colorectal liver metastases: surgical treatment options. <i>Hepato-Gastroenterology</i> , 2012, 59, 245-8.	0.5	4
81	Pros and Cons of Portal Vein Embolization With Hematopoietic Stem Cells Application in Colorectal Liver Metastases Surgery. <i>In Vivo</i> , 2020, 34, 2919-2925.	1.3	3
82	Circulating Tumor Cell Kinetics and Morphology from the Liquid Biopsy Predict Disease Progression in Patients with Metastatic Colorectal Cancer Following Resection. <i>Cancers</i> , 2022, 14, 642.	3.7	3
83	Portal vein embolisation with application of haematopoietic stem cells in patients with primarily or non-resectable colorectal liver metastases. <i>Anticancer Research</i> , 2014, 34, 7279-85.	1.1	3
84	Are ovine and porcine carotid arteries equivalent animal models for experimental cardiac surgery: A quantitative histological comparison. <i>Annals of Anatomy</i> , 2022, 242, 151910.	1.9	3
85	Tumour necrosis factor-alpha stimulates liver regeneration in porcine model of partial portal vein ligation. <i>Hepato-Gastroenterology</i> , 2012, 59, 496-500.	0.5	3
86	Assessing colorectal cancer heterogeneity: one step closer to tailored medicine. <i>Journal of Applied Biomedicine</i> , 2013, 11, 115-129.	1.7	2
87	The Association of Baseline Serum Tumour Markers with Outcome of Patients with Metastatic Colorectal Cancer Treated with Anti-EGFR Monoclonal Antibodies in the First Line. <i>Journal of Cancer</i> , 2018, 9, 4255-4262.	2.5	2
88	Influence of Mesenchymal Stem Cell Administration on The Outcome of Partial Liver Resection in a Porcine Model of Sinusoidal Obstruction Syndrome. <i>Anticancer Research</i> , 2020, 40, 6817-6833.	1.1	2
89	Why Use Position Features in Liver Segmentation Performed by Convolutional Neural Network. <i>Frontiers in Physiology</i> , 2021, 12, 734217.	2.8	2
90	Monitoring after radiofrequency ablation of liver tumors: contrast-enhanced ultrasound vs. contrast-enhanced computer tomography, two days after procedure. <i>Biomedical Papers of the Medical Faculty of the University Palacký&amp;#x0301;, Olomouc, Czechoslovakia</i> , 2018, 162, 304-309.	0.6	2

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91	Effects of Liver Tumor and Post-Ablation Necrosis Volume on the Result of Radiofrequency Ablation. Hepato-Gastroenterology, 2012, 59, 1537-40.	0.5	2
92	Matrix metalloproteinases and their inhibitors in correlation to proliferative and classical tumour markers during surgical therapy of colorectal liver metastases. Bratislava Medical Journal, 2012, 113, 108-113.	0.8	1
93	Altered Expression of MBNL Family of Alternative Splicing Factors in Colorectal Cancer. Cancer Genomics and Proteomics, 2021, 18, 295-306.	2.0	1
94	MicrAnt: Towards Regression Task Oriented Annotation Tool for Microscopic Images. Lecture Notes in Computer Science, 2020, , 209-218.	1.3	1
95	Geometrical model of lobular structure and its importance for the liver perfusion analysis. PLoS ONE, 2021, 16, e0260068.	2.5	1
96	Recurrence of colorectal liver metastases after surgical treatment: multifactorial study. Hepato-Gastroenterology, 2007, 54, 1741-4.	0.5	1
97	Prognostic value of the number and volume of liver tumours on portal vein embolization outcomes. Hepato-Gastroenterology, 2012, 59, 448-52.	0.5	1
98	Quantification of Liver Microcirculation Using X-Ray Microtomography of Vascular Corrosion Casts. Key Engineering Materials, 0, 592-593, 505-508.	0.4	0
99	Links between the Orientation of Vascular Smooth Muscle and Microscopical Composition of Aortic Segments. Solid State Phenomena, 0, 258, 329-332.	0.3	0
100	A Prospective Multi-National Study of the Colorectal Cancer Mucosal Microbiome Reveals Specific Taxonomic Changes Indicative of Disease Stage and Prognosis. Gastroenterology, 2017, 152, S1010-S1011.	1.3	0
101	Multiscale Graph-Cut for 3D Segmentation of Compact Objects. Lecture Notes in Computer Science, 2018, , 227-236.	1.3	0
102	Different cardiac loading conditions and haemodynamic monitoring in animal models. Bratislava Medical Journal, 2012, 113, 131-134.	0.8	0
103	Algebraic Filtering of Surfaces from 3D Medical Images with Julia. Computer-Aided Design and Applications, 2020, 18, 468-485.	0.6	0
104	Liver resections for colorectal liver metastases in elderly patients. European Surgery - Acta Chirurgica Austriaca, 2021, 53, 66-74.	0.7	0
105	Abstract 2316: Malignant potential of colorectal adenoma based on the telomere length. Cancer Research, 2022, 82, 2316-2316.	0.9	0
106	Porcine spleen as a model organ for blunt injury impact tests: An experimental and histological study. Journal of Veterinary Medicine Series C: Anatomia Histologia Embryologia, 0, , .	0.7	0