

Marc D Basson

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

113 papers	2,059 citations	28 h-index	40 g-index
117 ext. papers	2,352 ext. citations	4 avg, IF	5.04 L-index

#	Paper	IF	Citations
113	Design and implementation of a core EPA-based acting internship curriculum.. <i>Medical Teacher</i> , 2022 , 1-6	3	0
112	SLFN12 Over-expression Sensitizes Triple Negative Breast Cancer Cells to Chemotherapy Drugs and Radiotherapy.. <i>Cancer Genomics and Proteomics</i> , 2022 , 19, 328-338	3.3	0
111	Gut homeostasis, injury, and healing: New therapeutic targets. <i>World Journal of Gastroenterology</i> , 2022 , 28, 1725-1750	5.6	3
110	Day-to-day blood pressure variability predicts poor outcomes following percutaneous coronary intervention: A retrospective study. <i>World Journal of Cardiology</i> , 2022 , 14, 306-317	2.1	
109	Day-to-day blood pressure variability predicts poor outcomes following percutaneous coronary intervention: A retrospective study. <i>World Journal of Cardiology</i> , 2022 , 14, 307-318	2.1	
108	Characterizing Long COVID: Deep Phenotype of a Complex Condition. <i>EBioMedicine</i> , 2021 , 74, 103722	8.8	25
107	Using the Homeland Security Exercise and Evaluation Program (HSEEP) Building Block Approach to Implement System Evaluation Theory (SET).. <i>American Journal of Evaluation</i> , 2021 , 42, 586-601	1.4	
106	Vil-Cre specific Schlafen 3 knockout mice exhibit sex-specific differences in intestinal differentiation markers and Schlafen family members expression levels. <i>PLoS ONE</i> , 2021 , 16, e0259195	3.7	0
105	ZINC40099027 activates human focal adhesion kinase by accelerating the enzymatic activity of the FAK kinase domain. <i>Pharmacology Research and Perspectives</i> , 2021 , 9, e00737	3.1	4
104	ZINC40099027 Promotes Gastric Mucosal Repair in Ongoing Aspirin-Associated Gastric Injury by Activating Focal Adhesion Kinase. <i>Cells</i> , 2021 , 10,	7.9	2
103	Correlations Among Visit-to-Visit Blood Pressure Variability and Treatment With Antihypertensive Medication With Long-Term Adverse Outcomes in a Large Veteran Cohort. <i>American Journal of Hypertension</i> , 2021 , 34, 1092-1099	2.3	0
102	Loss of Slfn3 induces a sex-dependent repair vulnerability after 50% bowel resection. <i>American Journal of Physiology - Renal Physiology</i> , 2021 , 320, G136-G152	5.1	3
101	Discovery of Novel Small-Molecule FAK Activators Promoting Mucosal Healing. <i>ACS Medicinal Chemistry Letters</i> , 2021 , 12, 356-364	4.3	2
100	Microbiome diversity declines while distinct expansions of Th17, iNKT, and dendritic cell subpopulations emerge after anastomosis surgery. <i>Gut Pathogens</i> , 2021 , 13, 51	5.4	1
99	Schlafens: Emerging Proteins in Cancer Cell Biology. <i>Cells</i> , 2021 , 10,	7.9	3
98	Preoperative and Intraoperative Blood Pressure Variability Independently Correlate with Outcomes. <i>Journal of Surgical Research</i> , 2021 , 266, 387-397	2.5	0
97	Lessons Learned in Evaluating the Infrastructure of a Centre for Translational Research (CTR). <i>Evaluation Journal of Australasia</i> , 2020 , 20, 6-22	0.5	3

96	Preoperative outpatient blood pressure variability predicts postoperative mortality, readmission and morbidity after surgery. <i>American Journal of Surgery</i> , 2020 , 220, 1083-1092	2.7	5
95	University of North Dakota School of Medicine and Health Sciences. <i>Academic Medicine</i> , 2020 , 95, S391-S395	3.9	3
94	Loss of Schlafen3 influences the expression levels of Schlafen family members in ileum, thymus, and spleen tissue. <i>PeerJ</i> , 2020 , 8, e8461	3.1	3
93	Reoperative laparoscopic rectal surgery: Another potential tool for the expert's toolbox. <i>American Journal of Surgery</i> , 2020 , 219, 894-895	2.7	0
92	Schlafen 12 Is Prognostically Favorable and Reduces C-Myc and Proliferation in Lung Adenocarcinoma but Not in Lung Squamous Cell Carcinoma. <i>Cancers</i> , 2020 , 12,	6.6	5
91	Primary care visits increase utilization of evidence-based preventative health measures. <i>BMC Family Practice</i> , 2020 , 21, 151	2.6	3
90	Better Quality Metrics Could Illuminate Quality-Efficiency Tradeoffs in Operating Room Management. <i>Journal of Investigative Surgery</i> , 2020 , 33, 271-272	1.2	1
89	What Skills Do Clinical Evaluators Value Most In Oral Case Presentations?. <i>Teaching and Learning in Medicine</i> , 2019 , 31, 129-135	3.4	3
88	Optimization of Protein-Protein Interaction Measurements for Drug Discovery Using AFM Force Spectroscopy. <i>IEEE Nanotechnology Magazine</i> , 2019 , 18, 509-517	2.6	1
87	ZINC4085554 inhibits cancer cell adhesion by interfering with the interaction of Akt1 and FAK. <i>Oncology Letters</i> , 2019 , 17, 5251-5260	2.6	3
86	Schlafen 12 mediates the effects of butyrate and repetitive mechanical deformation on intestinal epithelial differentiation in human Caco-2 intestinal epithelial cells. <i>Human Cell</i> , 2019 , 32, 240-250	4.5	7
85	Schlafen 3 knockout mice display gender-specific differences in weight gain, food efficiency, and expression of markers of intestinal epithelial differentiation, metabolism, and immune cell function. <i>PLoS ONE</i> , 2019 , 14, e0219267	3.7	11
84	Small molecule FAK activator promotes human intestinal epithelial monolayer wound closure and mouse ulcer healing. <i>Scientific Reports</i> , 2019 , 9, 14669	4.9	14
83	Schlafen12 Reduces the Aggressiveness of Triple Negative Breast Cancer through Post-Transcriptional Regulation of ZEB1 That Drives Stem Cell Differentiation. <i>Cellular Physiology and Biochemistry</i> , 2019 , 53, 999-1014	3.9	5
82	Inside-out signaling through FAK-integrin axis may regulate circulating cancer cell metastatic adhesion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 19795-19796	11.5	5
81	Systolic and Diastolic Blood Pressure Variability as Risk Factors for Adverse Events After Coronary Artery Bypass Grafting. <i>JAMA Surgery</i> , 2019 , 154, 92-94	5.4	9
80	Patient Preferences for Surgery or Antibiotics for the Treatment of Acute Appendicitis. <i>JAMA Surgery</i> , 2018 , 153, 471-478	5.4	29
79	Comprehensive Multicenter Graduate Surgical Education Initiative Incorporating Entrustable Professional Activities, Continuous Quality Improvement Cycles, and a Web-Based Platform to Enhance Teaching and Learning. <i>Journal of the American College of Surgeons</i> , 2018 , 227, 64-76	4.4	7

78	The Proliferative Response to p27 Down-Regulation in Estrogen Plus Progestin Hormonal Therapy is Lost in Breast Tumors. <i>Translational Oncology</i> , 2018 , 11, 518-527	4.9	1
77	Cancer Metastasis to the Peritoneum: Bad Luck or Dysregulated Biology?. <i>Journal of Investigative Surgery</i> , 2018 , 31, 357-358	1.2	
76	Oral Antibiotics for Colon Surgery: The Questions Remain the Same, as Do the Answers. <i>JAMA Surgery</i> , 2018 , 153, 121-122	5.4	3
75	Association of Colonoscopy With Risk of Appendicitis. <i>JAMA Surgery</i> , 2018 , 153, 90-91	5.4	7
74	Schlafen 12 Interaction with SerpinB12 and Deubiquitylases Drives Human Enterocyte Differentiation. <i>Cellular Physiology and Biochemistry</i> , 2018 , 48, 1274-1290	3.9	16
73	Questionable Assumptions Provided in Nonoperative Treatment of Appendicitis Survey-Reply. <i>JAMA Surgery</i> , 2018 , 153, 970	5.4	
72	Visit-to-Visit Variability of Blood Pressure Is Associated With Hospitalization and Mortality in an Unselected Adult Population. <i>American Journal of Hypertension</i> , 2018 , 31, 1113-1119	2.3	14
71	912 - Schlafen 12 Promotes Human Intestinal Epithelial Differentiation via Serpin B12 Modulation of the Deubiquitylation of Transcription Factors Such as CDX2. <i>Gastroenterology</i> , 2018 , 154, S-180	13.3	2
70	Do female surgeons learn or teach differently?. <i>American Journal of Surgery</i> , 2017 , 213, 282-287	2.7	13
69	A taxonomy of perioperative surgical learning: Trending resident skill acquisition. <i>American Journal of Surgery</i> , 2017 , 213, 260-267	2.7	1
68	Perioperative self-reflection among surgical residents. <i>American Journal of Surgery</i> , 2017 , 214, 564-570	2.7	3
67	When and How to Teach Residents to Operate. <i>JAMA Surgery</i> , 2017 , 152, 326	5.4	1
66	Inhibition of pressure-activated cancer cell adhesion by FAK-derived peptides. <i>Oncotarget</i> , 2017 , 8, 98051-98067	3.3	17
65	Functional consequence of the p53 codon 72 polymorphism in colorectal cancer. <i>Oncotarget</i> , 2017 , 8, 76574-76586	3.3	7
64	Occult Spigelian Hernia Presenting as Inability to Complete Colon Cancer Screening in a Patient with a History of Rectal Cancer. <i>American Journal of Case Reports</i> , 2017 , 18, 1181-1184	1.3	1
63	P300 inhibition enhances gemcitabine-induced apoptosis of pancreatic cancer. <i>Oncotarget</i> , 2016 , 7, 51301-51318	3.3	18
62	Nanorobot enabled in situ sensing molecular interactions for drug discovery 2016 ,		1
61	Prehospital trauma care education for first responders in India. <i>Journal of Surgical Research</i> , 2015 , 197, 331-8	2.5	17

60	Skin perfusion responses under normal and combined loadings: Comparisons between legs with venous stasis ulcers and healthy legs. <i>Clinical Biomechanics</i> , 2015 , 30, 1218-24	2.2	3
59	Schlafen 3 Mediates the Differentiating Effects of Cdx2 in Rat IEC-Cdx2L1 Enterocytes. <i>Journal of Investigative Surgery</i> , 2015 , 28, 202-7	1.2	5
58	PTK6 Potentiates Gemcitabine-Induced Apoptosis by Prolonging S-phase and Enhancing DNA Damage in Pancreatic Cancer. <i>Molecular Cancer Research</i> , 2015 , 13, 1174-84	6.6	12
57	Nanomagnetic levitation three-dimensional cultures of breast and colorectal cancers. <i>Journal of Surgical Research</i> , 2015 , 194, 319-326	2.5	12
56	Increased extracellular pressure stimulates tumor proliferation by a mechanosensitive calcium channel and PKC- ζ <i>Molecular Oncology</i> , 2015 , 9, 513-26	7.9	27
55	Nef-M1, a peptide antagonist of CXCR4, inhibits tumor angiogenesis and epithelial-to-mesenchymal transition in colon and breast cancers. <i>Oncotarget</i> , 2015 , 6, 27763-77	3.3	21
54	The P-loop region of Schlafen 3 acts within the cytosol to induce differentiation of human Caco-2 intestinal epithelial cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2014 , 1843, 3029-37	4.9	14
53	Schlafen 12 expression modulates prostate cancer cell differentiation. <i>Journal of Surgical Research</i> , 2014 , 190, 177-84	2.5	19
52	PTK6 promotes cancer migration and invasion in pancreatic cancer cells dependent on ERK signaling. <i>PLoS ONE</i> , 2014 , 9, e96060	3.7	28
51	Alcohol Disrupts Human Liver Stem/Progenitor Cell Proliferation and Differentiation. <i>Journal of Stem Cell Research & Therapy</i> , 2014 , 4,	1	9
50	The role of the investigative surgeon: asking questions and questioning answers. <i>JAMA Surgery</i> , 2014 , 149, 1188-90	5.4	2
49	Measurement of cationic and intracellular modulation of integrin binding affinity by AFM-based nanorobot. <i>Biophysical Journal</i> , 2013 , 105, 40-7	2.9	7
48	The correlation between the expression of differentiation markers in rat small intestinal mucosa and the transcript levels of schlafen 3. <i>JAMA Surgery</i> , 2013 , 148, 1013-9	5.4	12
47	Glucagonlike peptide 2 analogue teduglutide: stimulation of proliferation but reduction of differentiation in human Caco-2 intestinal epithelial cells. <i>JAMA Surgery</i> , 2013 , 148, 1037-42	5.4	9
46	Impact of objectively assessing surgeonsSteaching on effective perioperative instructional behaviors. <i>JAMA Surgery</i> , 2013 , 148, 915-22	5.4	26
45	Regulation of epithelial differentiation in rat intestine by intraluminal delivery of an adenoviral vector or silencing RNA coding for Schlafen 3. <i>PLoS ONE</i> , 2013 , 8, e79745	3.7	14
44	Schlafen 3 changes during rat intestinal maturation. <i>American Journal of Surgery</i> , 2012 , 204, 598-601	2.7	13
43	Influence of defunctionalization and mechanical forces on intestinal epithelial wound healing. <i>American Journal of Physiology - Renal Physiology</i> , 2012 , 303, G1134-43	5.1	5

42	Loss of MLK3 signaling impedes ulcer healing by modulating MAPK signaling in mouse intestinal mucosa. <i>American Journal of Physiology - Renal Physiology</i> , 2012 , 303, G951-60	5.1	14
41	Intestinal mucosal atrophy and adaptation. <i>World Journal of Gastroenterology</i> , 2012 , 18, 6357-75	5.6	70
40	Squamous Cell Carcinoma Complicating Chronic Suppurative Hydradenitis. <i>American Surgeon</i> , 2011 , 77, 1449-1453	0.8	22
39	Role of RhoA and its effectors ROCK and mDia1 in the modulation of deformation-induced FAK, ERK, p38, and MLC mitogenic signals in human Caco-2 intestinal epithelial cells. <i>American Journal of Physiology - Cell Physiology</i> , 2011 , 301, C1224-38	5.4	36
38	Akt directly regulates focal adhesion kinase through association and serine phosphorylation: implication for pressure-induced colon cancer metastasis. <i>American Journal of Physiology - Cell Physiology</i> , 2011 , 300, C657-70	5.4	50
37	Schlafen 3 induction by cyclic strain regulates intestinal epithelial differentiation. <i>American Journal of Physiology - Renal Physiology</i> , 2010 , 298, G994-G1003	5.1	23
36	Strain-induced proliferation requires the phosphatidylinositol 3-kinase/AKT/glycogen synthase kinase pathway. <i>Journal of Biological Chemistry</i> , 2009 , 284, 2001-11	5.4	27
35	Delineating the signals by which repetitive deformation stimulates intestinal epithelial migration across fibronectin. <i>American Journal of Physiology - Renal Physiology</i> , 2009 , 296, G876-85	5.1	18
34	The effects of mechanical forces on intestinal physiology and pathology. <i>Cellular Signalling</i> , 2009 , 21, 1237-44	4.9	117
33	Role of ERK/mTOR signaling in TGFbeta-modulated focal adhesion kinase mRNA stability and protein synthesis in cultured rat IEC-6 intestinal epithelial cells. <i>Cell and Tissue Research</i> , 2009 , 336, 213-23	4.2	22
32	TGF-beta1 modulates focal adhesion kinase expression in rat intestinal epithelial IEC-6 cells via stimulatory and inhibitory Smad binding elements. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2009 , 1789, 88-98	6	16
31	Smad3 knockout mice exhibit impaired intestinal mucosal healing. <i>Laboratory Investigation</i> , 2008 , 88, 1101-9	5.9	34
30	Supraphysiologic extracellular pressure inhibits intestinal epithelial wound healing independently of luminal nutrient flow. <i>American Journal of Surgery</i> , 2008 , 196, 683-9	2.7	14
29	Transforming growth factor-beta stimulates intestinal epithelial focal adhesion kinase synthesis via Smad- and p38-dependent mechanisms. <i>American Journal of Pathology</i> , 2008 , 173, 385-99	5.8	47
28	Repetitive deformation activates Src-independent FAK-dependent ERK mitogenic signals in human Caco-2 intestinal epithelial cells. <i>American Journal of Physiology - Cell Physiology</i> , 2008 , 294, C1350-61	5.4	29
27	Colchicine inhibits pressure-induced tumor cell implantation within surgical wounds and enhances tumor-free survival in mice. <i>Journal of Clinical Investigation</i> , 2008 , 118, 3170-80	15.9	37
26	Evolving management of colorectal cancer. <i>World Journal of Gastroenterology</i> , 2008 , 14, 3956-67	5.6	19
25	Cytoskeletal signaling by way of alpha-actinin-1 mediates ERK1/2 activation by repetitive deformation in human Caco2 intestinal epithelial cells. <i>American Journal of Surgery</i> , 2007 , 194, 618-22	2.7	16

24	Paxillin modulates squamous cancer cell adhesion and is important in pressure-augmented adhesion. <i>Journal of Cellular Biochemistry</i> , 2006 , 98, 1507-16	4.7	28
23	Focal adhesion kinase protein levels in gut epithelial motility. <i>American Journal of Physiology - Renal Physiology</i> , 2006 , 291, G491-9	5.1	18
22	The motogenic effects of cyclic mechanical strain on intestinal epithelial monolayer wound closure are matrix dependent. <i>Gastroenterology</i> , 2006 , 131, 1179-89	13.3	37
21	Evaluation of operating room suite efficiency in the Veterans Health Administration system by using data-envelopment analysis. <i>American Journal of Surgery</i> , 2006 , 192, 649-56	2.7	22
20	The role of the cytoskeleton in differentially regulating pressure-mediated effects on malignant colonocyte focal adhesion signaling and cell adhesion. <i>Carcinogenesis</i> , 2005 , 26, 1687-97	4.6	33
19	Extracellular pressure stimulates macrophage phagocytosis by inhibiting a pathway involving FAK and ERK. <i>American Journal of Physiology - Cell Physiology</i> , 2004 , 286, C1358-66	5.4	53
18	Colon cancer cell adhesion in response to Src kinase activation and actin-cytoskeleton by non-laminar shear stress. <i>Journal of Cellular Biochemistry</i> , 2004 , 92, 361-71	4.7	28
17	Pressure activates colon cancer cell adhesion by inside-out focal adhesion complex and actin cytoskeletal signaling. <i>Gastroenterology</i> , 2004 , 126, 8-18	13.3	171
16	Collagen IV regulates Caco-2 migration and ERK activation via alpha1beta1- and alpha2beta1-integrin-dependent Src kinase activation. <i>American Journal of Physiology - Renal Physiology</i> , 2004 , 286, G547-57	5.1	41
15	Regulation of the intestinal epithelial response to cyclic strain by extracellular matrix proteins. <i>FASEB Journal</i> , 2003 , 17, 926-8	0.9	58
14	Absence of adhesion triggers differential FAK and SAPKp38 signals in SW620 human colon cancer cells that may inhibit adhesiveness and lead to cell death. <i>Cellular Physiology and Biochemistry</i> , 2003 , 13, 135-46	3.9	41
13	Perianal Crohn DiseaseInvited Critique. <i>Archives of Surgery</i> , 2002 , 137, 778		
12	Effects of increased ambient pressure on colon cancer cell adhesion. <i>Journal of Cellular Biochemistry</i> , 2000 , 78, 47-61	4.7	57
11	Matrix-specific FAK and MAPK reorganization during Caco-2 cell motility. <i>Microscopy Research and Technique</i> , 2000 , 51, 191-203	2.8	12
10	Identification and comparative analysis of human colonocyte short-chain fatty acid response genes. <i>Journal of Gastrointestinal Surgery</i> , 2000 , 4, 501-12	3.3	30
9	Human caco-2 motility redistributes FAK and paxillin and activates p38 MAPK in a matrix-dependent manner. <i>American Journal of Physiology - Renal Physiology</i> , 2000 , 278, G952-66	5.1	47
8	Short chain fatty acids inhibit human (SW1116) colon cancer cell invasion by reducing urokinase plasminogen activator activity and stimulating TIMP-1 and TIMP-2 activities, rather than via MMP modulation. <i>Journal of Surgical Research</i> , 1998 , 76, 41-6	2.5	42
7	Differential modulation of human (Caco-2) colon cancer cell line phenotype by short chain fatty acids. <i>Experimental Biology and Medicine</i> , 1998 , 217, 476-83	3.7	29

6	Coculture conditions alter endothelial modulation of TGF-beta 1 activation and smooth muscle growth morphology. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1998 , 274, H642-9 ^{5.2}	32
5	Strain induces Caco-2 intestinal epithelial proliferation and differentiation via PKC and tyrosine kinase signals. <i>American Journal of Physiology - Renal Physiology</i> , 1998 , 275, G534-41	5.1 30
4	Basal nutrition promotes human intestinal epithelial (Caco-2) proliferation, brush border enzyme activity, and motility. <i>Critical Care Medicine</i> , 1997 , 25, 159-65	1.4 28
3	Matrix-specific effect of endothelial control of smooth muscle cell migration. <i>Journal of Vascular Surgery</i> , 1996 , 24, 51-7	3.5 35
2	Amplitude-dependent modulation of brush border enzymes and proliferation by cyclic strain in human intestinal Caco-2 monolayers. <i>Journal of Cellular Physiology</i> , 1996 , 168, 476-88	7 59
1	Lessons learned in evaluating system interdependencies using qualitative methods. <i>Evaluation Journal of Australasia</i> , 1035719X2110669	0.5 1