

Mark A Carlson

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/6278241/mark-a-carlson-publications-by-year.pdf>

Version: 2024-04-09

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

76 papers	2,895 citations	24 h-index	53 g-index
83 ext. papers	3,406 ext. citations	5.7 avg, IF	5.24 L-index

#	Paper	IF	Citations
76	Large Animal Models of Breast Cancer.. <i>Frontiers in Oncology</i> , 2022 , 12, 788038	5.3	4
75	Isolating and cryopreserving pig skin cells for single-cell RNA sequencing study.. <i>PLoS ONE</i> , 2022 , 17, e0263869	3.7	0
74	Minimally Invasive Delivery of 3D Shape Recoverable Constructs with Ordered Structures for Tissue Repair. <i>ACS Biomaterials Science and Engineering</i> , 2021 , 7, 2204-2211	5.5	7
73	The effect of pre-resection obesity on post-resection body composition after 75% small bowel resection in rats. <i>Scientific Reports</i> , 2021 , 11, 13009	4.9	
72	Porcine pancreatic ductal epithelial cells transformed with KRAS and SV40T are tumorigenic. <i>Scientific Reports</i> , 2021 , 11, 13436	4.9	1
71	Electrostatic Flocking of Insulative and Biodegradable Polymer Microfibers for Biomedical Applications. <i>Advanced Healthcare Materials</i> , 2021 , 10, e2100766	10.1	5
70	Bioengineering strategies for the treatment of peripheral arterial disease. <i>Bioactive Materials</i> , 2021 , 6, 684-696	16.7	6
69	Ultra-absorptive Nanofiber Swabs for Improved Collection and Test Sensitivity of SARS-CoV-2 and other Biological Specimens. <i>Nano Letters</i> , 2021 , 21, 1508-1516	11.5	9
68	Large-scale synthesis of compressible and re-expandable three-dimensional nanofiber matrices. <i>Nano Select</i> , 2021 , 2, 1566-1579	3.1	4
67	Preperitoneal insufflation pressure of the abdominal wall in a porcine model. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2021 , 1	5.2	
66	Fast transformation of 2D nanofiber membranes into pre-molded 3D scaffolds with biomimetic and oriented porous structure for biomedical applications. <i>Applied Physics Reviews</i> , 2020 , 7, 021406	17.3	16
65	Novel fibrin-fibronectin matrix accelerates mice skin wound healing. <i>Bioactive Materials</i> , 2020 , 5, 949-962	16.7	13
64	Collateral Development and Arteriogenesis in Hindlimbs of Swine After Ligation of Arterial Inflow. <i>Journal of Surgical Research</i> , 2020 , 249, 168-179	2.5	6
63	Porcine Models of Pancreatic Cancer. <i>Frontiers in Oncology</i> , 2019 , 9, 144	5.3	20
62	Three-Dimensional Objects Consisting of Hierarchically Assembled Nanofibers with Controlled Alignments for Regenerative Medicine. <i>Nano Letters</i> , 2019 , 19, 2059-2065	11.5	36
61	Integrated generation of induced pluripotent stem cells in a low-cost device. <i>Biomaterials</i> , 2019 , 189, 23-36	15.6	8
60	Incidence, etiology, management, and outcomes of flank hernia: review of published data. <i>Hernia: the Journal of Hernias and Abdominal Wall Surgery</i> , 2018 , 22, 353-361	3.2	26

59	CO-expanded nanofiber scaffolds maintain activity of encapsulated bioactive materials and promote cellular infiltration and positive host response. <i>Acta Biomaterialia</i> , 2018 , 68, 237-248	10.8	47
58	A totally recombinant fibrin matrix for mesenchymal stem cell culture and delivery. <i>Journal of Biomedical Materials Research - Part A</i> , 2018 , 106, 3135-3142	5.4	6
57	Fluid administration rate for uncontrolled intraabdominal hemorrhage in swine. <i>PLoS ONE</i> , 2018 , 13, e0207708	3.7	2
56	The isolation of a plasma-derived Fibrinogen: Fibronectin mixture that forms a novel polymeric matrix. <i>Process Biochemistry</i> , 2018 , 75, 257-265	4.8	3
55	1,25-dihydroxyvitamin D-eluting nanofibrous dressings induce endogenous antimicrobial peptide expression. <i>Nanomedicine</i> , 2018 , 13, 1417-1432	5.6	13
54	Fabrication of injectable and superelastic nanofiber rectangle matrices ("peanuts") and their potential applications in hemostasis. <i>Biomaterials</i> , 2018 , 179, 46-59	15.6	55
53	Twisting electrospun nanofiber fine strips into functional sutures for sustained co-delivery of gentamicin and silver. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017 , 13, 1435-1445	6	39
52	Association of a Frailty Screening Initiative With Postoperative Survival at 30, 180, and 365 Days. <i>JAMA Surgery</i> , 2017 , 152, 233-240	5.4	152
51	Development and Initial Validation of the Risk Analysis Index for Measuring Frailty in Surgical Populations. <i>JAMA Surgery</i> , 2017 , 152, 175-182	5.4	127
50	Recent advances in electrospun nanofibers for wound healing. <i>Nanomedicine</i> , 2017 , 12, 1335-1352	5.6	197
49	Nanofiber-based sutures induce endogenous antimicrobial peptide. <i>Nanomedicine</i> , 2017 , 12, 2597-2609	5.6	12
48	Three-dimensional nanofiber scaffolds with arrayed holes for engineering skin tissue constructs. <i>MRS Communications</i> , 2017 , 7, 361-366	2.7	17
47	Short-term hypoxic preconditioning promotes prevascularization in 3D bioprinted bone constructs with stromal vascular fraction derived cells. <i>RSC Advances</i> , 2017 , 7, 29312-29320	3.7	42
46	Military Medicine Interest Groups in U.S. Medical Schools. <i>Military Medicine</i> , 2016 , 181, e1449-e1454	1.3	2
45	Cell Scaffolds: Expanded 3D Nanofiber Scaffolds: Cell Penetration, Neovascularization, and Host Response (Adv. Healthcare Mater. 23/2016). <i>Advanced Healthcare Materials</i> , 2016 , 5, 2962-2962	10.1	
44	Expanded 3D Nanofiber Scaffolds: Cell Penetration, Neovascularization, and Host Response. <i>Advanced Healthcare Materials</i> , 2016 , 5, 2993-3003	10.1	85
43	MCPIP1 Regulates Fibroblast Migration in 3-D Collagen Matrices Downstream of MAP Kinases and NF- κ B. <i>Journal of Investigative Dermatology</i> , 2015 , 135, 2944-2954	4.3	13
42	Effect of proximal versus distal 50% enterectomy on nutritional parameters in rats preconditioned with a high-fat diet or regular chow. <i>Scientific Reports</i> , 2015 , 5, 17331	4.9	3

41	Reply to Letter: "From Bariatric to Metabolic Surgery: New Concepts on the Rise". <i>Annals of Surgery</i> , 2015 , 262, e80	7.8	
40	Research priorities in bariatric surgery: misplaced emphasis on innovation?. <i>Annals of Surgery</i> , 2015 , 261, e58-9	7.8	3
39	A totally recombinant human fibrin sealant. <i>Journal of Surgical Research</i> , 2014 , 187, 334-42	2.5	24
38	Development of a fatal noncompressible truncal hemorrhage model with combined hepatic and portal venous injury in normothermic normovolemic swine. <i>PLoS ONE</i> , 2014 , 9, e108293	3.7	4
37	Expression of green fluorescent protein in human foreskin fibroblasts for use in 2D and 3D culture models. <i>Wound Repair and Regeneration</i> , 2014 , 22, 134-40	3.6	14
36	Comment on "prospective randomized clinical trial comparing laparoscopic cholecystectomy and hybrid natural orifice transluminal endoscopic surgery (NOTES) (NCT00835250)" (doi:10.1007/s00464-012-2359-4). <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2013 , 27, 3929-30	5.2	2
35	Recombinant human fibrinogen that produces thick fibrin fibers with increased wound adhesion and clot density. <i>Biomacromolecules</i> , 2013 , 14, 169-78	6.9	19
34	Attachment-regulated signaling networks in the fibroblast-populated 3D collagen matrix. <i>Scientific Reports</i> , 2013 , 3, 1880	4.9	8
33	Tensile properties of the murine ventral vertical midline incision. <i>PLoS ONE</i> , 2011 , 6, e24212	3.7	7
32	Hiatal hernia repair with mesh: a survey of SAGES members. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2010 , 24, 1017-24	5.2	110
31	Biologic variability of human foreskin fibroblasts in 2D and 3D culture: implications for a wound healing model. <i>BMC Research Notes</i> , 2009 , 2, 229	2.3	5
30	Enterocutaneous fistula associated with ePTFE mesh: case report and review of the literature. <i>Hernia: the Journal of Hernias and Abdominal Wall Surgery</i> , 2009 , 13, 323-6	3.2	27
29	Reparación laparoscópica de la hernia ventral 2009 , 223-228		
28	Minimally invasive ventral herniorrhaphy: an analysis of 6,266 published cases. <i>Hernia: the Journal of Hernias and Abdominal Wall Surgery</i> , 2008 , 12, 9-22	3.2	40
27	RNA interference in human foreskin fibroblasts within the three-dimensional collagen matrix. <i>Molecular and Cellular Biochemistry</i> , 2007 , 306, 123-32	4.2	11
26	Technique for the insertion of large mesh during minimally invasive incisional herniorrhaphy. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2007 , 21, 1243-4	5.2	5
25	Technical Pitfalls Favouring Incisional Hernia 2007 , 135-149		
24	Modeling dermal granulation tissue with the linear fibroblast-populated collagen matrix: a comparison with the round matrix model. <i>Journal of Dermatological Science</i> , 2006 , 41, 97-108	4.3	21

23	Prosthetic closure of the esophageal hiatus in large hiatal hernia repair and laparoscopic antireflux surgery. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2006 , 20, 367-79	5.2	133
22	Technical note: assay of cell quantity in the fibroblast-populated collagen matrix with a tetrazolium reagent. <i>European Cells and Materials</i> , 2006 , 12, 44-8	4.3	11
21	Wound matrix attachment regulates actin content and organization in cells of the granulation tissue. <i>Wound Repair and Regeneration</i> , 2005 , 13, 84-92	3.6	4
20	The fibroblast-populated collagen matrix as a model of wound healing: a review of the evidence. <i>Wound Repair and Regeneration</i> , 2004 , 12, 134-47	3.6	123
19	Minimally invasive incisional herniorrhaphy: a review of 208 cases. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2004 , 18, 1488-91	5.2	28
18	Wound splinting modulates granulation tissue proliferation. <i>Matrix Biology</i> , 2004 , 23, 243-50	11.4	13
17	Modulation of FAK, Akt, and p53 by stress release of the fibroblast-populated collagen matrix. <i>Journal of Surgical Research</i> , 2004 , 121, 151	2.5	2
16	Modulation of FAK, Akt, and p53 by stress release of the fibroblast-populated collagen matrix. <i>Journal of Surgical Research</i> , 2004 , 120, 171-7	2.5	19
15	Wound splinting regulates granulation tissue survival. <i>Journal of Surgical Research</i> , 2003 , 110, 304-9	2.5	53
14	A prospective, randomized trial of laparoscopic polytetrafluoroethylene (PTFE) patch repair vs simple cruroplasty for large hiatal hernia. <i>Archives of Surgery</i> , 2002 , 137, 649-52		342
13	Granulation tissue regression induced by musculocutaneous advancement flap coverage. <i>Surgery</i> , 2002 , 131, 332-7	3.6	12
12	Complications and results of primary minimally invasive antireflux procedures: a review of 10,735 reported cases. <i>Journal of the American College of Surgeons</i> , 2001 , 193, 428-39	4.4	195
11	A primary burn wound does not slow the contraction rate of an adjacent excisional wound. <i>Annals of Plastic Surgery</i> , 2001 , 46, 36-42	1.7	1
10	Release of mechanical tension triggers apoptosis of human fibroblasts in a model of regressing granulation tissue. <i>Experimental Cell Research</i> , 1999 , 248, 608-19	4.2	251
9	Management of intrathoracic stomach with polypropylene mesh prosthesis reinforced transabdominal hiatus hernia repair. <i>Journal of the American College of Surgeons</i> , 1998 , 187, 227-30	4.4	146
8	Acute wound failure. <i>Surgical Clinics of North America</i> , 1997 , 77, 607-36	4	147
7	Ventral hernia and other complications of 1,000 midline incisions. <i>Southern Medical Journal</i> , 1995 , 88, 450-3	0.6	75
6	Prophylactic antibiotics in surgery. <i>Annual Review of Medicine</i> , 1993 , 44, 385-93	17.4	41

5	Induction of pancreatic neoplasia in theKRAS/TP53Oncopig: preliminary report	4
4	Generation of tumorigenic porcine pancreatic ductal epithelial cells: toward a large animal model of pancreatic cancer	4
3	Ectopic expression of KRASG12D and p53R167H in porcine mammary epithelial cells results in transformation and tumorigenesis	1
2	Porcine pancreatic ductal epithelial cells transformed with KRASG12D and SV40T are tumorigenic	1
1	Preclinical Evaluation of a Humanized, Near-Infrared Fluorescent Antibody for Fluorescence-Guided Surgery of MUC16-Expressing Pancreatic Cancer. <i>Molecular Pharmaceutics</i> ,	5.6 1