

Jan A Plock

List of Publications by Citations

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Version: 2024-04-26

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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.

71
papers

1,376
citations

20
h-index

34
g-index

79
ext. papers

1,578
ext. citations

3.1
avg, IF

4.32
L-index

#	Paper	IF	Citations
71	Hypoxia up-regulates expression of Eph receptors and ephrins in mouse skin. <i>FASEB Journal</i> , 2005 , 19, 1689-91	0.9	109
70	Goal-directed colloid administration improves the microcirculation of healthy and perianastomotic colon. <i>Anesthesiology</i> , 2009 , 110, 496-504	4.3	103
69	Paracrine effects of mesenchymal stem cells enhance vascular regeneration in ischemic murine skin. <i>Microvascular Research</i> , 2012 , 83, 267-75	3.7	72
68	Eschar removal by bromelain based enzymatic debridement (Nexobrid) in burns: An European consensus. <i>Burns</i> , 2017 , 43, 1640-1653	2.3	65
67	The role of adipose-derived stem cells in breast cancer progression and metastasis. <i>Stem Cells International</i> , 2015 , 2015, 120949	5	61
66	Adipose- and Bone Marrow-Derived Mesenchymal Stem Cells Prolong Graft Survival in Vascularized Composite Allotransplantation. <i>Transplantation</i> , 2015 , 99, 1765-73	1.8	59
65	Botulinum toxin A and B raise blood flow and increase survival of critically ischemic skin flaps. <i>Journal of Surgical Research</i> , 2013 , 184, 1205-13	2.5	46
64	Characteristics and Immunomodulating Functions of Adipose-Derived and Bone Marrow-Derived Mesenchymal Stem Cells Across Defined Human Leukocyte Antigen Barriers. <i>Frontiers in Immunology</i> , 2018 , 9, 1642	8.4	44
63	Fat grafting and stem cell enhanced fat grafting to the breast under oncological aspects--recommendations for patient selection. <i>Breast</i> , 2013 , 22, 579-84	3.6	44
62	Human Adipose-Derived Mesenchymal Stromal Cells May Promote Breast Cancer Progression and Metastatic Spread. <i>Plastic and Reconstructive Surgery</i> , 2015 , 136, 76-84	2.7	41
61	Ischemia/reperfusion injury of porcine limbs after extracorporeal perfusion. <i>Journal of Surgical Research</i> , 2013 , 181, 170-82	2.5	37
60	The Influence of Timing and Frequency of Adipose-Derived Mesenchymal Stem Cell Therapy on Immunomodulation Outcomes After Vascularized Composite Allotransplantation. <i>Transplantation</i> , 2017 , 101, e1-e11	1.8	33
59	Eschar removal by bromelain based enzymatic debridement (Nexobrid) in burns: European consensus guidelines update. <i>Burns</i> , 2020 , 46, 782-796	2.3	33
58	Hemoglobin vesicles improve wound healing and tissue survival in critically ischemic skin in mice. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2009 , 297, H905-10	5.2	29
57	External physical and biochemical stimulation to enhance skeletal muscle bioengineering. <i>Advanced Drug Delivery Reviews</i> , 2015 , 82-83, 168-175	18.5	28
56	Site-specific immunosuppression in vascularized composite allotransplantation: prospects and potential. <i>Clinical and Developmental Immunology</i> , 2013 , 2013, 495212		28
55	Perspectives on the use of mesenchymal stem cells in vascularized composite allotransplantation. <i>Frontiers in Immunology</i> , 2013 , 4, 175	8.4	27

54	New generation of hemoglobin-based oxygen carriers evaluated for oxygenation of critically ischemic hamster flap tissue. <i>Critical Care Medicine</i> , 2005 , 33, 806-12	1.4	25
53	Erythropoietin enhances oxygenation in critically perfused tissue through modulation of nitric oxide synthase. <i>Shock</i> , 2009 , 31, 599-606	3.4	24
52	Hemoglobin vesicles reduce hypoxia-related inflammation in critically ischemic hamster flap tissue. <i>Critical Care Medicine</i> , 2007 , 35, 899-905	1.4	21
51	Complications After Cosmetic Surgery Tourism. <i>Aesthetic Surgery Journal</i> , 2017 , 37, 474-482	2.4	20
50	Activation of non-ischemic, hypoxia-inducible signalling pathways up-regulate cytoprotective genes in the murine liver. <i>Journal of Hepatology</i> , 2007 , 47, 538-45	13.4	20
49	Bone marrow-derived mesenchymal stromal cells improve vascular regeneration and reduce leukocyte-endothelium activation in critical ischemic murine skin in a dose-dependent manner. <i>Cytotherapy</i> , 2014 , 16, 1345-60	4.8	19
48	Is hemoglobin in hemoglobin vesicles infused for isovolemic hemodilution necessary to improve oxygenation in critically ischemic hamster skin?. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005 , 289, H2624-31	5.2	19
47	Extending the limits of reconstructive microsurgery in elderly patients. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , 2016 , 69, 1017-23	1.7	18
46	Effects of immunosuppressive drugs on viability and susceptibility of adipose- and bone marrow-derived mesenchymal stem cells. <i>Frontiers in Immunology</i> , 2015 , 6, 131	8.4	18
45	Are cultured mesenchymal stromal cells an option for immunomodulation in transplantation?. <i>Frontiers in Immunology</i> , 2013 , 4, 41	8.4	17
44	Premise and promise of mesenchymal stem cell-based therapies in clinical vascularized composite allotransplantation. <i>Current Opinion in Organ Transplantation</i> , 2015 , 20, 608-14	2.5	16
43	Adipose tissue and the vascularization of biomaterials: Stem cells, microvascular fragments and nanofat-a review. <i>Cytotherapy</i> , 2020 , 22, 400-411	4.8	15
42	Adipose-derived stem cells (ADSCs) and muscle precursor cells (MPCs) for the treatment of bladder voiding dysfunction. <i>World Journal of Urology</i> , 2014 , 32, 1241-8	4	14
41	The influence of trauma and ischemia on carbohydrate metabolites monitored in hamster flap tissue. <i>Anesthesia and Analgesia</i> , 2005 , 100, 817-822	3.9	14
40	Sensitization and desensitization of burn patients as potential candidates for vascularized composite allotransplantation. <i>Burns</i> , 2016 , 42, 246-57	2.3	14
39	Differentiated adipose-derived stem cells for bladder bioengineering. <i>Scandinavian Journal of Urology</i> , 2015 , 49, 407-14	1.6	13
38	Application of a new laser Doppler imaging system in planning and monitoring of surgical flaps. <i>Journal of Biomedical Optics</i> , 2010 , 15, 036023	3.5	11
37	Wheelchair Tilt-in-Space and Recline Functions: Influence on Sitting Interface Pressure and Ischial Blood Flow in an Elderly Population. <i>BioMed Research International</i> , 2019 , 2019, 4027976	3	10

36	COVID-19 and burns: Lessons learned?. <i>Burns</i> , 2020 , 46, 1467-1468	2.3	10
35	Mycophenolic Acid for Topical Immunosuppression in Vascularized Composite Allotransplantation: Optimizing Formulation and Preliminary Evaluation of Bioavailability and Pharmacokinetics. <i>Frontiers in Surgery</i> , 2018 , 5, 20	2.3	10
34	The Significance of Vascular Alterations in Acute and Chronic Rejection for Vascularized Composite Allotransplantation. <i>Journal of Vascular Research</i> , 2019 , 56, 163-180	1.9	10
33	Morphology and hemodynamics during vascular regeneration in critically ischemic murine skin studied by intravital microscopy techniques. <i>European Surgical Research</i> , 2011 , 47, 222-30	1.1	10
32	Contrast-enhanced computed tomography in acute pancreatitis: does contrast medium worsen its course due to impaired microcirculation?. <i>Langenbeck's Archives of Surgery</i> , 2005 , 390, 156-63	3.4	10
31	Delivery of Rapamycin Using In Situ Forming Implants Promotes Immunoregulation and Vascularized Composite Allograft Survival. <i>Scientific Reports</i> , 2019 , 9, 9269	4.9	9
30	Perioperative risk factors for haematoma after breast augmentation. <i>Journal of Plastic Surgery and Hand Surgery</i> , 2013 , 47, 130-4	1.5	9
29	Evaluation of Porcine Versus Human Mesenchymal Stromal Cells From Three Distinct Donor Locations for Cytotherapy. <i>Frontiers in Immunology</i> , 2020 , 11, 826	8.4	9
28	IGF-1 and Chondroitinase ABC Augment Nerve Regeneration after Vascularized Composite Limb Allotransplantation. <i>PLoS ONE</i> , 2016 , 11, e0156149	3.7	9
27	Differential inflammatory networks distinguish responses to bone marrow-derived versus adipose-derived mesenchymal stem cell therapies in vascularized composite allotransplantation. <i>Journal of Trauma and Acute Care Surgery</i> , 2017 , 83, S50-S58	3.3	8
26	Reconstructive Transplantation: Evolution, Experience, Ethics, and Emerging Concepts 2017 , 539-552		7
25	EPO reverses defective wound repair in hypercholesterolaemic mice by increasing functional angiogenesis. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , 2012 , 65, 1559-68	1.7	7
24	The choice of anesthesia influences oxidative energy metabolism and tissue survival in critically ischemic murine skin. <i>Journal of Surgical Research</i> , 2010 , 162, 308-13	2.5	7
23	Adipose-derived stromal cell therapy combined with a short course nonmyeloablative conditioning promotes long-term graft tolerance in vascularized composite allotransplantation. <i>American Journal of Transplantation</i> , 2020 , 20, 1272-1284	8.7	7
22	Looking the World in the Face: The Benefits and Challenges of Facial Transplantation for Blind Patients. <i>Progress in Transplantation</i> , 2017 , 27, 79-83	1.1	6
21	Distinct microhemodynamic efficacy of arteriogenesis and angiogenesis in critically ischemic skin flaps. <i>Microvascular Research</i> , 2012 , 83, 249-56	3.7	6
20	Total inpatient treatment costs in patients with severe burns: towards a more accurate reimbursement model. <i>Swiss Medical Weekly</i> , 2015 , 145, w14217	3.1	6
19	Response of routine inflammatory biomarkers and novel Pancreatic Stone Protein to inhalation injury and its interference with sepsis detection in severely burned patients. <i>Burns</i> , 2021 , 47, 338-348	2.3	6

18	Expression of Pancreatic Stone Protein is Unaffected by Trauma and Subsequent Surgery in Burn Patients. <i>World Journal of Surgery</i> , 2020 , 44, 3000-3009	3.3	5
17	One hundred fascia-sparing myocutaneous rectus abdominis flaps: An update. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , 2011 , 64, 209-15	1.7	5
16	Safety of enzymatic debridement in extensive burns larger than 15% total body surface area. <i>Burns</i> , 2021 , 47, 796-804	2.3	5
15	Effect of Systemic Adipose-derived Stem Cell Therapy on Functional Nerve Regeneration in a Rodent Model. <i>Plastic and Reconstructive Surgery - Global Open</i> , 2020 , 8, e2953	1.2	4
14	Impact of allogeneic blood transfusions on clinical outcomes in severely burned patients. <i>Burns</i> , 2020 , 46, 1083-1090	2.3	4
13	The impact of non-thermal injuries in combined burn trauma: A retrospective analysis over the past 35 years. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , 2019 , 72, 438-446	1.7	4
12	Identification of ALP+/CD73+ defining markers for enhanced osteogenic potential in human adipose-derived mesenchymal stromal cells by mass cytometry. <i>Stem Cell Research and Therapy</i> , 2021 , 12, 7	8.3	4
11	Inhalation anesthesia of rats: influence of the fraction of inspired oxygen on limb ischemia/reperfusion injury. <i>Laboratory Animals</i> , 2016 , 50, 185-97	2.6	2
10	Screening of HLA sensitization during acute burn care. <i>Burns</i> , 2018 , 44, 1330-1335	2.3	2
9	Risk Factors for Mortality and Prolonged Hospitalization in Electric Burn Injuries. <i>Journal of Burn Care and Research</i> , 2021 , 42, 505-512	0.8	2
8	Mesenchymal and Adipose Stem Cell Strategies for Peripheral Nerve Regeneration. <i>Pancreatic Islet Biology</i> , 2015 , 329-360	0.4	1
7	Heterotopic Transplantation of Allogeneic Vertical Rectus Abdominis Myocutaneous Flaps in Miniature Swine. <i>Journal of Surgical Research</i> , 2020 , 254, 175-182	2.5	1
6	Reconstructive Transplantation: Program, Patient, Protocol, Policy, and Payer Considerations 2017 , 553-560		1
5	Characterisation of clinical manifestations and treatment strategies for invasive beta-haemolytic streptococcal infections in a Swiss tertiary hospital. <i>Swiss Medical Weekly</i> , 2020 , 150, w20378	3.1	1
4	Effect of a factor-based coagulation management on blood product use after major burn injury: A retrospective cohort study. <i>Burns</i> , 2021 , 47, 1486-1494	2.3	1
3	Pharmacokinetics and Biodistribution of Tacrolimus after Topical Administration: Implications for Vascularized Composite Allotransplantation. <i>Pharmaceutical Research</i> , 2020 , 37, 222	4.5	0
2	The initial validation of a novel outcome measure in severe burns- the Persistent Organ Dysfunction +Death: Results from a multicenter evaluation. <i>Burns</i> , 2021 , 47, 765-775	2.3	0
1	Abdominal, perineal, and genital soft tissue reconstruction with pedicled anterolateral thigh perforator flaps. <i>European Journal of Plastic Surgery</i> , 2021 , 44, 669-677	0.6	

