Jan A Plock

List of Publications by Year
in descending order

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72	1,810	279701	302012
papers	citations	23 h-index	39 g-index

79	79	79	2511
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Goal-directed Colloid Administration Improves the Microcirculation of Healthy and Perianastomotic Colon. Anesthesiology, 2009, 110, 496-504.	1.3	120
2	Hypoxia upâ€regulates expression of Eph receptors and ephrins in mouse skin. FASEB Journal, 2005, 19, 1689-1691.	0.2	119
3	Eschar removal by bromelain based enzymatic debridement (Nexobrid Â®) in burns: An European consensus. Burns, 2017, 43, 1640-1653.	1.1	102
4	Paracrine effects of mesenchymal stem cells enhance vascular regeneration in ischemic murine skin. Microvascular Research, 2012, 83, 267-275.	1.1	86
5	Eschar removal by bromelain based enzymatic debridement (NexobridÂ®) in burns: European consensus guidelines update. Burns, 2020, 46, 782-796.	1.1	84
6	The Role of Adipose-Derived Stem Cells in Breast Cancer Progression and Metastasis. Stem Cells International, 2015, 2015, 1-17.	1.2	77
7	Adipose- and Bone Marrowâ€"Derived Mesenchymal Stem Cells Prolong Graft Survival in Vascularized Composite Allotransplantation. Transplantation, 2015, 99, 1765-1773.	0.5	70
8	Characteristics and Immunomodulating Functions of Adipose-Derived and Bone Marrow-Derived Mesenchymal Stem Cells Across Defined Human Leukocyte Antigen Barriers. Frontiers in Immunology, 2018, 9, 1642.	2.2	59
9	Botulinum toxin A and B raise blood flow and increase survival of critically ischemic skin flaps. Journal of Surgical Research, 2013, 184, 1205-1213.	0.8	56
10	Human Adipose-Derived Mesenchymal Stromal Cells May Promote Breast Cancer Progression and Metastatic Spread. Plastic and Reconstructive Surgery, 2015, 136, 76-84.	0.7	54
11	Fat grafting and stem cell enhanced fat grafting to the breast under oncological aspects â€" Recommendations for patient selection. Breast, 2013, 22, 579-584.	0.9	50
12	The Influence of Timing and Frequency of Adipose-Derived Mesenchymal Stem Cell Therapy on Immunomodulation Outcomes After Vascularized Composite Allotransplantation. Transplantation, 2017, 101, e1-e11.	0.5	48
13	Ischemia/reperfusion injury of porcine limbs after extracorporeal perfusion. Journal of Surgical Research, 2013, 181, 170-182.	0.8	47
14	Adipose tissue and the vascularization of biomaterials: Stem cells, microvascular fragments and nanofatâ€"a review. Cytotherapy, 2020, 22, 400-411.	0.3	34
15	Hemoglobin vesicles improve wound healing and tissue survival in critically ischemic skin in mice. American Journal of Physiology - Heart and Circulatory Physiology, 2009, 297, H905-H910.	1.5	33
16	External physical and biochemical stimulation to enhance skeletal muscle bioengineering. Advanced Drug Delivery Reviews, 2015, 82-83, 168-175.	6.6	33
17	Perspectives on the Use of Mesenchymal Stem Cells in Vascularized Composite Allotransplantation. Frontiers in Immunology, 2013, 4, 175.	2.2	32
18	Site-Specific Immunosuppression in Vascularized Composite Allotransplantation: Prospects and Potential. Clinical and Developmental Immunology, 2013, 2013, 1-7.	3.3	32

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19	ERYTHROPOIETIN ENHANCES OXYGENATION IN CRITICALLY PERFUSED TISSUE THROUGH MODULATION OF NITRIC OXIDE SYNTHASE. Shock, 2009, 31, 600-607.	1.0	29
20	Extending the limits of reconstructive microsurgery in elderly patients. Journal of Plastic, Reconstructive and Aesthetic Surgery, 2016, 69, 1017-1023.	0.5	29
21	Effects of Immunosuppressive Drugs on Viability and Susceptibility of Adipose- and Bone Marrow-Derived Mesenchymal Stem Cells. Frontiers in Immunology, 2015, 6, 131.	2.2	28
22	New generation of hemoglobin-based oxygen carriers evaluated for oxygenation of critically ischemic hamster flap tissue. Critical Care Medicine, 2005, 33, 806-812.	0.4	26
23	Hemoglobin vesicles reduce hypoxia-related inflammation in critically ischemic hamster flap tissue. Critical Care Medicine, 2007, 35, 899-905.	0.4	26
24	Complications After Cosmetic Surgery Tourism. Aesthetic Surgery Journal, 2017, 37, sjw198.	0.9	24
25	Bone marrow-derived mesenchymal stromal cells improve vascular regeneration and reduce leukocyte-endothelium activation in critical ischemic murine skin in a dose-dependent manner. Cytotherapy, 2014, 16, 1345-1360.	0.3	22
26	Premise and promise of mesenchymal stem cell-based therapies in clinical vascularized composite allotransplantation. Current Opinion in Organ Transplantation, 2015, 20, 608-614.	0.8	22
27	Is hemoglobin in hemoglobin vesicles infused for isovolemic hemodilution necessary to improve oxygenation in critically ischemic hamster skin?. American Journal of Physiology - Heart and Circulatory Physiology, 2005, 289, H2624-H2631.	1.5	20
28	Activation of non-ischemic, hypoxia-inducible signalling pathways up-regulate cytoprotective genes in the murine liver. Journal of Hepatology, 2007, 47, 538-545.	1.8	20
29	The Significance of Vascular Alterations in Acute and Chronic Rejection for Vascularized Composite Allotransplantation. Journal of Vascular Research, 2019, 56, 163-180.	0.6	20
30	Are cultured mesenchymal stromal cells an option for immunomodulation in transplantation?. Frontiers in Immunology, 2013, 4, 41.	2.2	18
31	Adipose-derived stem cells (ADSCs) and muscle precursor cells (MPCs) for the treatment of bladder voiding dysfunction. World Journal of Urology, 2014, 32, 1241-1248.	1.2	18
32	Wheelchair Tilt-in-Space and Recline Functions: Influence on Sitting Interface Pressure and Ischial Blood Flow in an Elderly Population. BioMed Research International, 2019, 2019, 1-10.	0.9	17
33	Application of a new laser Doppler imaging system in planning and monitoring of surgical flaps. Journal of Biomedical Optics, 2010, 15, 036023.	1.4	16
34	The Influence of Trauma and Ischemia on Carbohydrate Metabolites Monitored in Hamster Flap Tissue. Anesthesia and Analgesia, 2005, 100, 817-822.	1.1	15
35	Contrast-enhanced computed tomography in acute pancreatitis: does contrast medium worsen its course due to impaired microcirculation?. Langenbeck's Archives of Surgery, 2005, 390, 156-163.	0.8	15
36	Sensitization and desensitization of burn patients as potential candidates for vascularized composite allotransplantation. Burns, 2016, 42, 246-257.	1.1	15

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37	Delivery of Rapamycin Using In Situ Forming Implants Promotes Immunoregulation and Vascularized Composite Allograft Survival. Scientific Reports, 2019, 9, 9269.	1.6	15
38	Safety of enzymatic debridement in extensive burns larger than 15% total body surface area. Burns, 2021, 47, 796-804.	1.1	15
39	Differentiated adipose-derived stem cells for bladder bioengineering. Scandinavian Journal of Urology, 2015, 49, 407-414.	0.6	14
40	Evaluation of Porcine Versus Human Mesenchymal Stromal Cells From Three Distinct Donor Locations for Cytotherapy. Frontiers in Immunology, 2020, 11, 826.	2.2	14
41	Mycophenolic Acid for Topical Immunosuppression in Vascularized Composite Allotransplantation: Optimizing Formulation and Preliminary Evaluation of Bioavailability and Pharmacokinetics. Frontiers in Surgery, 2018, 5, 20.	0.6	13
42	Adipose-derived stromal cell therapy combined with a short course nonmyeloablative conditioning promotes long-term graft tolerance in vascularized composite allotransplantation. American Journal of Transplantation, 2020, 20, 1272-1284.	2.6	13
43	IGF-1 and Chondroitinase ABC Augment Nerve Regeneration after Vascularized Composite Limb Allotransplantation. PLoS ONE, 2016, 11, e0156149.	1.1	12
44	Differential inflammatory networks distinguish responses to bone marrow-derived versus adipose-derived mesenchymal stem cell therapies in vascularized composite allotransplantation. Journal of Trauma and Acute Care Surgery, 2017, 83, S50-S58.	1.1	12
45	COVID-19 and burns: Lessons learned?. Burns, 2020, 46, 1467-1468.	1.1	12
46	Morphology and Hemodynamics during Vascular Regeneration in Critically Ischemic Murine Skin Studied by Intravital Microscopy Techniques. European Surgical Research, 2011, 47, 222-230.	0.6	10
47	Perioperative risk factors for haematoma after breast augmentation. Journal of Plastic Surgery and Hand Surgery, 2013, 47, 130-134.	0.4	10
48	Distinct microhemodynamic efficacy of arteriogenesis and angiogenesis in critically ischemic skin flaps. Microvascular Research, 2012, 83, 249-256.	1.1	9
49	Looking the World in the Face. Progress in Transplantation, 2017, 27, 79-83.	0.4	9
50	Impact of allogeneic blood transfusions on clinical outcomes in severely burned patients. Burns, 2020, 46, 1083-1090.	1.1	9
51	Total inpatient treatment costs in patients with severe burns: towards a more accurate reimbursement model. Swiss Medical Weekly, 2015, 145, w14217.	0.8	9
52	The Choice of Anesthesia Influences Oxidative Energy Metabolism and Tissue Survival in Critically Ischemic Murine Skin. Journal of Surgical Research, 2010, 162, 308-313.	0.8	8
53	EPO reverses defective wound repair in hypercholesterolaemic mice by increasing functional angiogenesis. Journal of Plastic, Reconstructive and Aesthetic Surgery, 2012, 65, 1559-1568.	0.5	8
54	Expression of Pancreatic Stone Protein is Unaffected by Trauma and Subsequent Surgery in Burn Patients. World Journal of Surgery, 2020, 44, 3000-3009.	0.8	8

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55	Response of routine inflammatory biomarkers and novel Pancreatic Stone Protein to inhalation injury and its interference with sepsis detection in severely burned patients. Burns, 2021, 47, 338-348.	1.1	8
56	Identification of ALP+/CD73+ defining markers for enhanced osteogenic potential in human adipose-derived mesenchymal stromal cells by mass cytometry. Stem Cell Research and Therapy, 2021, 12, 7.	2.4	8
57	Effect of Systemic Adipose-derived Stem Cell Therapy on Functional Nerve Regeneration in a Rodent Model. Plastic and Reconstructive Surgery - Global Open, 2020, 8, e2953.	0.3	8
58	Reconstructive Transplantation: Evolution, Experience, Ethics, and Emerging Concepts. , 2017, , 539-552.		7
59	Risk Factors for Mortality and Prolonged Hospitalization in Electric Burn Injuries. Journal of Burn Care and Research, 2021, 42, 505-512.	0.2	7
60	Effect of a factor-based coagulation management on blood product use after major burn injury: A retrospective cohort study. Burns, 2021, 47, 1486-1494.	1.1	7
61	One hundred fascia-sparing myocutaneous rectus abdominis flaps: An update. Journal of Plastic, Reconstructive and Aesthetic Surgery, 2011, 64, 209-215.	0.5	5
62	The impact of non-thermal injuries in combined burn trauma: A retrospective analysis over the past 35 years. Journal of Plastic, Reconstructive and Aesthetic Surgery, 2019, 72, 438-446.	0.5	4
63	Pharmacokinetics and Biodistribution of Tacrolimus after Topical Administration: Implications for Vascularized Composite Allotransplantation. Pharmaceutical Research, 2020, 37, 222.	1.7	3
64	Heterotopic Transplantation of Allogeneic Vertical Rectus Abdominis Myocutaneous Flaps in Miniature Swine. Journal of Surgical Research, 2020, 254, 175-182.	0.8	3
65	Inhalation anesthesia of rats: influence of the fraction of inspired oxygen on limb ischemia/reperfusion injury. Laboratory Animals, 2016, 50, 185-197.	0.5	2
66	Screening of HLA sensitization during acute burn care. Burns, 2018, 44, 1330-1335.	1.1	2
67	Characterisation of clinical manifestations and treatment strategies for invasive beta-haemolytic streptococcal infections in a Swiss tertiary hospital. Swiss Medical Weekly, 2020, 150, w20378.	0.8	2
68	Mesenchymal and Adipose Stem Cell Strategies for Peripheral Nerve Regeneration. Pancreatic Islet Biology, 2015, , 329-360.	0.1	1
69	Reconstructive Transplantation: Program, Patient, Protocol, Policy, and Payer Considerations. , 2017, , 553-560.		1
70	The initial validation of a novel outcome measure in severe burns- the Persistent Organ Dysfunction +Death: Results from a multicenter evaluation. Burns, 2021, 47, 765-775.	1.1	1
71	Abdominal, perineal, and genital soft tissue reconstruction with pedicled anterolateral thigh perforator flaps. European Journal of Plastic Surgery, 2021, 44, 669-677.	0.3	1
72	209 FIBRIN TG-VEGF IS A SUPPORTER OF EARLY ANGIOGENESIS IN URINARY SPHINCTER ENGINEERING. Journal of Urology, 2012, 187, .	0.2	0