

# Patricia F Friedrich Aas

## List of Publications by Year in descending order

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44  
papers

870  
citations

516710

16  
h-index

501196

28  
g-index

44  
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44  
docs citations

44  
times ranked

822  
citing authors

#	ARTICLE	IF	CITATIONS
1	Autogenous Arteriovenous Bundle Implantation Maintains Viability Without Increased Immune Response in Large Porcine Bone Allografts. <i>Transplantation Proceedings</i> , 2021, 53, 417-426.	0.6	1
2	Maximum Isometric Tetanic Force Measurement of the Tibialis Anterior Muscle in the Rat. <i>Journal of Visualized Experiments</i> , 2021, , .	0.3	2
3	Surgical Angiogenesis of Decellularized Nerve Allografts Improves Early Functional Recovery in a Rat Sciatic Nerve Defect Model. <i>Plastic and Reconstructive Surgery</i> , 2021, 148, 561-570.	1.4	5
4	The rabbit brachial plexus as a model for nerve injury and repair Part 1: Anatomic study of the biceps and triceps innervation. <i>Microsurgery</i> , 2020, 40, 183-188.	1.3	5
5	Outcomes of Vascularized Bone Allografts with Surgically Induced Autogenous Angiogenesis in a Large Animal Model: Bone Healing, Remodeling, and Material Properties. <i>Journal of Reconstructive Microsurgery</i> , 2020, 36, 082-092.	1.8	6
6	Neo-vascularization, Transplant Viability, and Molecular Analyses of Vascularized Bone Allografts in a Large Animal Model. <i>Journal of Orthopaedic Research</i> , 2020, 38, 288-296.	2.3	4
7	Revascularization patterns of nerve allografts in a rat sciatic nerve defect model. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , 2020, 73, 460-468.	1.0	19
8	Functional Outcome after Reconstruction of a Long Nerve Gap in Rabbits Using Optimized Decellularized Nerve Allografts. <i>Plastic and Reconstructive Surgery</i> , 2020, 145, 1442-1450.	1.4	13
9	Gene expression and growth factor analysis in early nerve regeneration following segmental nerve defect reconstruction with a mesenchymal stromal cell-enhanced decellularized nerve allograft. <i>Plastic and Reconstructive Surgery - Global Open</i> , 2020, 8, e2579.	0.6	6
10	Transplant chimerism in porcine structural vascularized bone allografts. <i>Gene</i> , 2020, 747, 144627.	2.2	0
11	Brachial plexus nerve injury and repair in a rabbit model part II: Does middle trunk injury result in loss of biceps function while repair results in recovery of biceps function. <i>Microsurgery</i> , 2019, 39, 634-641.	1.3	0
12	Effects of Surgical Angiogenesis on Segmental Bone Reconstruction With Cryopreserved Massive Structural Allografts in a Porcine Tibia Model. <i>Journal of Orthopaedic Research</i> , 2019, 37, 1698-1708.	2.3	7
13	Bone vascularized composite allotransplantation model in swine tibial defect: Evaluation of surgical angiogenesis and transplant viability. <i>Microsurgery</i> , 2019, 39, 160-166.	1.3	7
14	Validation of Isometric Tetanic Force as a Measure of Muscle Recovery After Nerve Injury in the Rabbit Biceps. <i>Journal of Hand Surgery</i> , 2018, 43, 488.e1-488.e8.	1.6	5
15	A new porcine vascularized tibial bone allotransplantation model. <i>Anatomy and surgical technique. Microsurgery</i> , 2018, 38, 195-202.	1.3	8
16	The effect of full dose composite tissue allotransplantation immunosuppression on allograft motor nerve regeneration in a rat sciatic nerve model. <i>Microsurgery</i> , 2018, 38, 66-75.	1.3	11
17	Comparable functional motor outcomes after repair of peripheral nerve injury with an elastase-processed allograft in a rat sciatic nerve model. <i>Microsurgery</i> , 2018, 38, 772-779.	1.3	21
18	Optimizing decellularization techniques to create a new nerve allograft: an in vitro study using rodent nerve segments. <i>Neurosurgical Focus</i> , 2017, 42, E4.	2.3	44

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19	Surgical Angiogenesis in Porcine Tibial Allotransplantation: A New Large Animal Bone Vascularized Composite Allotransplantation Model. <i>Journal of Visualized Experiments</i> , 2017, , .	0.3	4
20	Recipient-derived angiogenesis with short term immunosuppression increases bone remodeling in bone vascularized composite allotransplantation: A pilot study in a swine tibial defect model. <i>Journal of Orthopaedic Research</i> , 2017, 35, 1242-1249.	2.3	9
21	The influence of vascularization of transplanted processed allograft nerve on return of motor function in rats. <i>Microsurgery</i> , 2016, 36, 134-143.	1.3	17
22	Effect of Vascular Endothelial Growth Factor Administration on Nerve Regeneration after Autologous Nerve Grafting. <i>Journal of Reconstructive Microsurgery</i> , 2016, 32, 183-188.	1.8	17
23	Motor Nerve Recovery in a Rabbit Model: Description and Validation of a Noninvasive Ultrasound Technique. <i>Journal of Hand Surgery</i> , 2016, 41, 27-33.	1.6	8
24	Vascularized bone transplant chimerism mediated by vascular endothelial growth factor. <i>Microsurgery</i> , 2015, 35, 45-51.	1.3	3
25	Cell lineage in vascularized bone transplantation. <i>Microsurgery</i> , 2014, 34, 37-43.	1.3	2
26	Fibroblast growth factor-2 and vascular endothelial growth factor mediated augmentation of angiogenesis and bone formation in vascularized bone allotransplants. <i>Microsurgery</i> , 2014, 34, 301-307.	1.3	9
27	Return of Motor Function After Repair of a 3-cm Gap in a Rabbit Peroneal Nerve. <i>Journal of Bone and Joint Surgery - Series A</i> , 2013, 95, 1952-1958.	3.0	23
28	Surgical Angiogenesis with Short-Term Immunosuppression Maintains Bone Viability in Rabbit Allogenic Knee Joint Transplantation. <i>Plastic and Reconstructive Surgery</i> , 2013, 131, 148e-157e.	1.4	13
29	Functional Evaluation in the Rat Sciatic Nerve Defect Model. <i>Plastic and Reconstructive Surgery</i> , 2013, 132, 1173-1180.	1.4	45
30	The Effect of Collagen Nerve Conduits Filled with Collagen-Glycosaminoglycan Matrix on Peripheral Motor Nerve Regeneration in a Rat Model. <i>Journal of Bone and Joint Surgery - Series A</i> , 2012, 94, 2084-2091.	3.0	66
31	Return of Motor Function After Segmental Nerve Loss in a Rat Model: Comparison of Autogenous Nerve Graft, Collagen Conduit, and Processed Allograft (AxoGen). <i>Journal of Bone and Joint Surgery - Series A</i> , 2012, 94, 410-417.	3.0	96
32	Description and validation of isometric tetanic muscle force test in rabbits. <i>Microsurgery</i> , 2012, 32, 35-42.	1.3	18
33	Knee joint transplantation combined with surgical angiogenesis in rabbitsâ€”A new experimental model. <i>Microsurgery</i> , 2012, 32, 118-127.	1.3	9
34	Living Bone Allotransplants Survive by Surgical Angiogenesis Alone: Development of a Novel Method of Composite Tissue Allotransplantation. <i>Journal of Bone and Joint Surgery - Series A</i> , 2011, 93, 261-273.	3.0	22
35	Augmentation of surgical angiogenesis in vascularized bone allotransplants with hostâ€”derived a/v bundle implantation, fibroblast growth factorâ€”2, and vascular endothelial growth factor administration. <i>Journal of Orthopaedic Research</i> , 2010, 28, 1015-1021.	2.3	23
36	A modified vascularized whole knee joint allotransplantation model in the rat. <i>Microsurgery</i> , 2010, 30, 557-564.	1.3	14

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37	Treatment of a Segmental Nerve Defect in the Rat with Use of Bioabsorbable Synthetic Nerve Conduits: A Comparison of Commercially Available Conduits. <i>Journal of Bone and Joint Surgery - Series A</i> , 2009, 91, 2194-2204.	3.0	129
38	Host-derived neoangiogenesis with short-term immunosuppression allows incorporation and remodeling of vascularized diaphyseal allogeneic rabbit femur transplants. <i>Journal of Orthopaedic Research</i> , 2009, 27, 763-770.	2.3	13
39	Repopulation of vascularized bone allotransplants with recipient-derived cells: Detection by laser capture microdissection and real-time PCR. <i>Journal of Orthopaedic Research</i> , 2009, 27, 1514-1520.	2.3	18
40	Transplantation of a vascularized rabbit femoral diaphyseal segment: Mechanical and histologic properties of a new living bone transplantation model. <i>Microsurgery</i> , 2008, 28, 291-299.	1.3	15
41	Isometric tetanic force measurement method of the tibialis anterior in the rat. <i>Microsurgery</i> , 2008, 28, 452-457.	1.3	69
42	The superficial inferior epigastric artery fascia flap in the rabbit. <i>Microsurgery</i> , 2007, 27, 560-564.	1.3	14
43	Host-derived angiogenesis maintains bone blood flow after withdrawal of immunosuppression. <i>Microsurgery</i> , 2007, 27, 657-663.	1.3	24
44	Short-term immunosuppression and surgical neoangiogenesis with host vessels maintains long-term viability of vascularized bone allografts. <i>Journal of Orthopaedic Research</i> , 2007, 25, 370-377.	2.3	26