

Gerald Brandacher

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/1336418/gerald-brandacher-publications-by-year.pdf>

Version: 2024-04-27

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.

254
papers

6,988
citations

40
h-index

74
g-index

284
ext. papers

8,004
ext. citations

4.6
avg, IF

5.53
L-index

#	Paper	IF	Citations
254	Intraoperative reperfusion assessment of human pancreas allografts using hyperspectral imaging (HSI).. <i>Hepatobiliary Surgery and Nutrition</i> , 2022 , 11, 67-77	2.1	1
253	VCA in the Era of the COVID-19 Pandemic.. <i>Transplantation</i> , 2022 , 106, 690-692	1.8	0
252	Penile Transplantation: Lessons Learned & Technical Considerations.. <i>Journal of Urology</i> , 2022 , 101097JU	0.0000000000000000	0
251	Gluconate-Lactobionate-Dextran Perfusion Solutions Attenuate Ischemic Injury and Improve Function in a Murine Cardiac Transplant Model. <i>Cells</i> , 2022 , 11, 1653	7.9	0
250	The Efficacy of Schwann-Like Differentiated Muscle-Derived Stem Cells in Treating Rodent Upper Extremity Peripheral Nerve Injury. <i>Plastic and Reconstructive Surgery</i> , 2021 , 148, 787-798	2.7	0
249	Vascularized composite allotransplantation of the penis: current status and future perspectives. <i>International Journal of Impotence Research</i> , 2021 ,	2.3	1
248	A systematic review of sutureless vascular anastomosis technologies.. <i>Seminars in Vascular Surgery</i> , 2021 , 34, 247-259	1.2	0
247	Unraveling the Crucial Roles of FoxP3+ Regulatory T Cells in Vascularized Composite Allograft Tolerance Induction and Maintenance. <i>Transplantation</i> , 2021 , 105, 1238-1249	1.8	3
246	Latissimus Dorsi Myocutaneous Flap Procedure in a Swine Model. <i>Journal of Investigative Surgery</i> , 2021 , 34, 1289-1296	1.2	2
245	Noninvasive evaluation of intragraft immune responses in upper extremity transplantation. <i>Transplant International</i> , 2021 , 34, 894-905	3	0
244	Method, Material, and Machine: A Review for the Surgeon Using Three-Dimensional Printing for Accelerated Device Production. <i>Journal of the American College of Surgeons</i> , 2021 , 232, 726-737.e19	4.4	1
243	The intragraft vascularized bone marrow component plays a critical role in tolerance induction after reconstructive transplantation. <i>Cellular and Molecular Immunology</i> , 2021 , 18, 363-373	15.4	6
242	A Large-Scale Bank of Organ Donor Bone Marrow and Matched Mesenchymal Stem Cells for Promoting Immunomodulation and Transplant Tolerance. <i>Frontiers in Immunology</i> , 2021 , 12, 622604	8.4	0
241	A short course of tofacitinib sustains the immunoregulatory effect of CTLA4-Ig in the presence of inflammatory cytokines and promotes long-term survival of murine cardiac allografts. <i>American Journal of Transplantation</i> , 2021 , 21, 2675-2687	8.7	1
240	Endothelial Stromal PD-L1 (Programmed Death Ligand 1) Modulates CD8 T-Cell Infiltration After Heart Transplantation. <i>Circulation: Heart Failure</i> , 2021 , 14, e007982	7.6	3
239	A novel rat microsurgical model to study the immunological characteristics of male genital tissue in the context of penile transplantation. <i>Transplant International</i> , 2020 , 33, 796-805	3	1
238	Outcomes of simultaneous pancreas and kidney transplantation based on donor resuscitation. <i>American Journal of Transplantation</i> , 2020 , 20, 1720-1728	8.7	4

237	Donor cardiac arrest and cardiopulmonary resuscitation: impact on outcomes after simultaneous pancreas-kidney transplantation - a retrospective study. <i>Transplant International</i> , 2020 , 33, 657-666	3	2
236	Targeting Metabolism as a Platform for Inducing Allograft Tolerance in the Absence of Long-Term Immunosuppression. <i>Frontiers in Immunology</i> , 2020 , 11, 572	8.4	0
235	Vascularized composite allotransplantation combined with costimulation blockade induces mixed chimerism and reveals intrinsic tolerogenic potential. <i>JCI Insight</i> , 2020 , 5,	9.9	6
234	Current and future regulatory and financial challenges in vascularized composite allotransplantation. <i>Current Opinion in Organ Transplantation</i> , 2020 , 25, 615-619	2.5	
233	Hyperspectral Imaging (HSI) of Human Kidney Allografts. <i>Annals of Surgery</i> , 2020 ,	7.8	11
232	The changing paradigm of ethics in uterus transplantation: a systematic review. <i>Transplant International</i> , 2020 , 33, 260-269	3	3
231	The Baltimore Criteria for an ethical approach to penile transplantation: a clinical guideline. <i>Transplant International</i> , 2020 , 33, 471-482	3	6
230	Trauma-induced Rejection in Vascularized Composite Allotransplantation. <i>Annals of Surgery</i> , 2020 , 271, e113-e114	7.8	7
229	Long-term outcome after hand and forearm transplantation - a retrospective study. <i>Transplant International</i> , 2020 , 33, 1762-1778	3	2
228	Identification and characterization of a large source of primary mesenchymal stem cells tightly adhered to bone surfaces of human vertebral body marrow cavities. <i>Cytotherapy</i> , 2020 , 22, 617-628	4.8	2
227	Defining chronic rejection in vascularized composite allotransplantation-The American Society of Reconstructive Transplantation and International Society of Vascularized Composite Allotransplantation chronic rejection working group: 2018 American Society of Reconstructive Transplantation meeting report and white paper Research goals in defining chronic rejection in vascularized composite allotransplantation. <i>SAGE Open Medicine</i> , 2020 , 8, 2050312120940421	2.4	3
226	Special Considerations for Secondary Surgery After Upper Extremity Transplantation. <i>Hand</i> , 2020 , 1558944720966723	2.4	1
225	Adipose-derived stromal cells modulating composite allotransplant survival is correlated with B cell regulation in a rodent hind-limb allotransplantation model. <i>Stem Cell Research and Therapy</i> , 2020 , 11, 478	8.3	0
224	Psychosocial factors and medication adherence among recipients of vascularized composite allografts. <i>SAGE Open Medicine</i> , 2020 , 8, 2050312120940423	2.4	1
223	Ischemia considerations for the development of an organ and tissue donor derived bone marrow bank. <i>Journal of Translational Medicine</i> , 2020 , 18, 300	8.5	3
222	Public education materials about Vascular Composite Allotransplantation and donation in the United States: Current scope and limitations. <i>Clinical Transplantation</i> , 2020 , 34, e14066	3.8	1
221	Multiphase Assembly of Small Molecule Microcrystalline Peptide Hydrogel Allows Immunomodulatory Combination Therapy for Long-Term Heart Transplant Survival. <i>Small</i> , 2020 , 16, e2002791	11.7	7
220	Skin xenotransplantation: technological advances and future directions. <i>Current Opinion in Organ Transplantation</i> , 2020 , 25, 464-476	2.5	1

219	Efficacy of single-agent immunosuppressive regimens in a murine model of vascularized composite allotransplantation. <i>Transplant International</i> , 2020 , 33, 948-957	3	2
218	Induction of immunological tolerance to myelinogenic glial-restricted progenitor allografts. <i>Brain</i> , 2019 , 142, 3456-3472	11.2	7
217	Sodium Sulfite Exacerbates Allograft Vasculopathy and Affects Tryptophan Breakdown in Murine Heterotopic Aortic Transplantation. <i>Oxidative Medicine and Cellular Longevity</i> , 2019 , 2019, 8461048	6.7	3
216	Glial Cell Line-Derived Neurotrophic Factor and Chondroitinase Promote Axonal Regeneration in a Chronic Denervation Animal Model. <i>Neurotherapeutics</i> , 2019 , 16, 1283-1295	6.4	4
215	Comparison of three congruent patient-specific cell types for the modelling of a human genetic Schwann-cell disorder. <i>Nature Biomedical Engineering</i> , 2019 , 3, 571-582	19	9
214	Emerging technologies in organ preservation, tissue engineering and regenerative medicine: a blessing or curse for transplantation?. <i>Transplant International</i> , 2019 , 32, 673-685	3	10
213	Macroporous nanofiber wraps promote axonal regeneration and functional recovery in nerve repair by limiting fibrosis. <i>Acta Biomaterialia</i> , 2019 , 88, 332-345	10.8	21
212	Evolving ethics, policy and reimbursement issues of vascularized composite allotransplantation: Symposium summary. <i>SAGE Open Medicine</i> , 2019 , 7, 205031211986694	2.4	2
211	Total Penis, Scrotum, and Lower Abdominal Wall Transplantation. <i>New England Journal of Medicine</i> , 2019 , 381, 1876-1878	59.2	17
210	Evolving ethics, policy and reimbursement issues of vascularized composite allotransplantation: Symposium summary. <i>SAGE Open Medicine</i> , 2019 , 7, 2050312119866944	2.4	
209	Growth Hormone Improves Nerve Regeneration, Muscle Re-innervation, and Functional Outcomes After Chronic Denervation Injury. <i>Scientific Reports</i> , 2019 , 9, 3117	4.9	20
208	Clinical Significance of Alloantibodies in Hand Transplantation: A Multicenter Study. <i>Transplantation</i> , 2019 , 103, 2173-2182	1.8	10
207	A Skin Rejection Grading System for Vascularized Composite Allotransplantation in a Preclinical Large Animal Model. <i>Transplantation</i> , 2019 , 103, 1385-1391	1.8	7
206	Characterization of Clinical and Histological Rejection of Male Genital Tissues Using a Novel Microsurgical Rat Penile Transplantation Model. <i>Transplantation</i> , 2019 , 103, 2245-2254	1.8	2
205	Autoimmune Hepatitis-Immunologically Triggered Liver Pathogenesis-Diagnostic and Therapeutic Strategies. <i>Journal of Immunology Research</i> , 2019 , 2019, 9437043	4.5	20
204	Poly(εCaprolactone) Nanofiber Wrap Improves Nerve Regeneration and Functional Outcomes after Delayed Nerve Repair. <i>Plastic and Reconstructive Surgery</i> , 2019 , 144, 48e-57e	2.7	7
203	Chimerism, Transplant Tolerance, and Beyond. <i>Transplantation</i> , 2019 , 103, 1556-1567	1.8	11
202	The Urogenital Epithelium and Corporal Tissues Are the Primary Targets of Rejection in Penile Vascularized Composite Allotransplantation: A New Real-Time Tissue-Based Monitoring System. <i>Plastic and Reconstructive Surgery</i> , 2019 , 143, 534e-544e	2.7	2

201	Prosthetic Rehabilitation and Vascularized Composite Allotransplantation following Upper Limb Loss. <i>Plastic and Reconstructive Surgery</i> , 2019 , 143, 1688-1701	2.7	9
200	Meeting Report of the 13th Congress of the International Society of Vascularized Composite Allotransplantation. <i>Transplantation</i> , 2018 , 102, 1250-1252	1.8	9
199	Desensitization and Prevention of Antibody-Mediated Rejection in Vascularized Composite Allotransplantation by Syngeneic Hematopoietic Stem Cell Transplantation. <i>Transplantation</i> , 2018 , 102, 593-600	1.8	8
198	The Ethics of Hand Transplantation: A Systematic Review. <i>Journal of Hand Surgery</i> , 2018 , 43, 84.e1-84.e15.6	15.6	15
197	The suppression effect of dendritic cells maturation by adipose-derived stem cells through TGF- β related pathway. <i>Experimental Cell Research</i> , 2018 , 370, 708-717	4.2	10
196	Type-I Interferons Inhibit Interleukin-10 Signaling and Favor Type 1 Diabetes Development in Nonobese Diabetic Mice. <i>Frontiers in Immunology</i> , 2018 , 9, 1565	8.4	6
195	Targeted delivery of immune therapeutics to lymph nodes prolongs cardiac allograft survival. <i>Journal of Clinical Investigation</i> , 2018 , 128, 4770-4786	15.9	38
194	Mechanisms of rejection in vascular composite allotransplantation. <i>Current Opinion in Organ Transplantation</i> , 2018 , 23, 28-33	2.5	9
193	Advances in machine perfusion, organ preservation, and cryobiology: potential impact on vascularized composite allotransplantation. <i>Current Opinion in Organ Transplantation</i> , 2018 , 23, 561-567	2.5	14
192	Muscle-derived stem cells: important players in peripheral nerve repair. <i>Expert Opinion on Therapeutic Targets</i> , 2018 , 22, 1009-1016	6.4	5
191	From Auto- to Allotransplantation: Immunomodulatory Protocol for Hand and Arm Transplantation. <i>Journal of Reconstructive Microsurgery</i> , 2018 , 34, 683-684	2.5	2
190	Penile transplantation: an emerging option for genitourinary reconstruction. <i>Transplant International</i> , 2017 , 30, 441-450	3	25
189	The promise of organ and tissue preservation to transform medicine. <i>Nature Biotechnology</i> , 2017 , 35, 530-542	44.5	246
188	Outcomes after hand and upper extremity transplantation. <i>Journal of Materials Science: Materials in Medicine</i> , 2017 , 28, 72	4.5	52
187	Identification of the activating cytotoxicity receptor NKG2D as a senescence marker in zero-hour kidney biopsies is indicative for clinical outcome. <i>Kidney International</i> , 2017 , 91, 1447-1463	9.9	12
186	Penile Allotransplantation for Complex Genitourinary Reconstruction. <i>Journal of Urology</i> , 2017 , 198, 274-280	2.5	19
185	Blood product utilization in human upper-extremity transplantation: challenges, complications, considerations, and transfusion protocol conception. <i>Transfusion</i> , 2017 , 57, 606-612	2.9	3
184	Nasal Unit Transplantation: A Cadaveric Anatomical Feasibility Study. <i>Journal of Reconstructive Microsurgery</i> , 2017 , 33, 244-251	2.5	3

183	Murine Full-thickness Skin Transplantation. <i>Journal of Visualized Experiments</i> , 2017 ,	1.6	13
182	N-(Pivaloyloxy)alkoxy-carbonyl Prodrugs of the Glutamine Antagonist 6-Diazo-5-oxo-L-norleucine (DON) as a Potential Treatment for HIV Associated Neurocognitive Disorders. <i>Journal of Medicinal Chemistry</i> , 2017 , 60, 7186-7198	8.3	35
181	Erosive Rheumatoid Arthritis After Bilateral Hand Transplantation. <i>Annals of Internal Medicine</i> , 2017 , 167, 216-218	8	1
180	Ex Vivo Model of Human Penile Transplantation and Rejection: Implications for Erectile Tissue Physiology. <i>European Urology</i> , 2017 , 71, 584-593	10.2	18
179	Split Tolerance in a Murine Model of Heterotopic En Bloc Chest Wall Transplantation. <i>Plastic and Reconstructive Surgery - Global Open</i> , 2017 , 5, e1595	1.2	4
178	Mouse Model for Pancreas Transplantation Using a Modified Cuff Technique. <i>Journal of Visualized Experiments</i> , 2017 ,	1.6	1
177	An immunocompetent mouse model of human glioblastoma. <i>Oncotarget</i> , 2017 , 8, 61072-61082	3.3	22
176	Vascular Endothelial Growth Factor Induction of Muscle-Derived Stem Cells Enhances Vascular Phenotype While Preserving Myogenic Potential. <i>Annals of Plastic Surgery</i> , 2017 , 79, 404-409	1.7	5
175	New Strategies in Composite Tissue Allotransplantation 2017 , 215-234		
174	Impaired Endothelial Nitric Oxide Synthase Homodimer Formation Triggers Development of Transplant Vasculopathy - Insights from a Murine Aortic Transplantation Model. <i>Scientific Reports</i> , 2016 , 6, 37917	4.9	5
173	Mesenchymal Stem Cells Enhance Nerve Regeneration in a Rat Sciatic Nerve Repair and Hindlimb Transplant Model. <i>Scientific Reports</i> , 2016 , 6, 31306	4.9	55
172	A Novel Microsurgical Model for Heterotopic, En Bloc Chest Wall, Thymus, and Heart Transplantation in Mice. <i>Journal of Visualized Experiments</i> , 2016 , e53442	1.6	4
171	Orthotopic Hind Limb Transplantation in the Mouse. <i>Journal of Visualized Experiments</i> , 2016 , 53483	1.6	8
170	Ischemia/reperfusion injury in vascularized tissue allotransplantation: tissue damage and clinical relevance. <i>Current Opinion in Organ Transplantation</i> , 2016 , 21, 503-9	2.5	24
169	A multiphase transitioning peptide hydrogel for suturing ultrasmall vessels. <i>Nature Nanotechnology</i> , 2016 , 11, 95-102	28.7	111
168	Combining Theoretical and Experimental Techniques to Study Murine Heart Transplant Rejection. <i>Frontiers in Immunology</i> , 2016 , 7, 448	8.4	2
167	Growth Hormone Therapy Accelerates Axonal Regeneration, Promotes Motor Reinnervation, and Reduces Muscle Atrophy following Peripheral Nerve Injury. <i>Plastic and Reconstructive Surgery</i> , 2016 , 137, 1771-1780	2.7	41
166	Reply: Reconstruction of Large Abdominal Wall Defects Using Neurotized Vascular Composite Allografts. <i>Plastic and Reconstructive Surgery</i> , 2016 , 138, 159e-161e	2.7	1

165	Combined Anti-CD154/CTLA4Ig Costimulation Blockade-Based Therapy Induces Donor-Specific Tolerance to Vascularized Osteomyocutaneous Allografts. <i>American Journal of Transplantation</i> , 2016 , 16, 2030-41	8.7	22
164	Therapeutic augmentation of the growth hormone axis to improve outcomes following peripheral nerve injury. <i>Expert Opinion on Therapeutic Targets</i> , 2016 , 20, 1259-65	6.4	15
163	Surgical residency in the United States— personal European perspective. <i>European Surgery - Acta Chirurgica Austriaca</i> , 2016 , 48, 149-154	0.9	
162	Functional abdominal wall reconstruction using an innervated abdominal wall vascularized composite tissue allograft: a cadaveric study and review of the literature. <i>Journal of Reconstructive Microsurgery</i> , 2015 , 31, 39-44	2.5	3
161	Rapamycin and CTLA4Ig synergize to induce stable mixed chimerism without the need for CD40 blockade. <i>American Journal of Transplantation</i> , 2015 , 15, 1568-79	8.7	22
160	Evaluation of microvascular anastomosis using real-time, ultra-high-resolution, Fourier domain Doppler optical coherence tomography. <i>Plastic and Reconstructive Surgery</i> , 2015 , 135, 711e-720e	2.7	5
159	Preventing Allograft Rejection by Targeting Immune Metabolism. <i>Cell Reports</i> , 2015 , 13, 760-770	10.6	122
158	The role of lipocalin-2 in liver regeneration. <i>Liver International</i> , 2015 , 35, 1195-202	7.9	12
157	Exploring cell-based tolerance strategies for hand and face transplantation. <i>Expert Review of Clinical Immunology</i> , 2015 , 11, 1189-204	5.1	16
156	Stem cell-based approaches to improve nerve regeneration: potential implications for reconstructive transplantation?. <i>Archivum Immunologiae Et Therapiae Experimentalis</i> , 2015 , 63, 15-30	4	15
155	Defining Rejection in Vascularized Composite Allotransplantation: More than Just Arguing Semantics. <i>Vascularized Composite Allotransplantation</i> , 2015 , 2, 65-70		1
154	Reconstruction of Large Abdominal Wall Defects Using Neurotized Vascular Composite Allografts. <i>Plastic and Reconstructive Surgery</i> , 2015 , 136, 728-737	2.7	16
153	Hand and upper extremity transplantation: an update of outcomes in the worldwide experience. <i>Plastic and Reconstructive Surgery</i> , 2015 , 135, 351e-360e	2.7	160
152	A Novel Method for the Repair of Critically Sized Bone Defects. <i>Plastic and Reconstructive Surgery</i> , 2015 , 136, 36	2.7	5
151	Reconstructive Transplantation for Penile Restoration. <i>Vascularized Composite Allotransplantation</i> , 2015 , 2, 61-64		1
150	Cardiac Arrest Disrupts Caspase-1 and Patterns of Inflammatory Mediators Differently in Skin and Muscle Following Localized Tissue Injury in Rats: Insights from Data-Driven Modeling. <i>Frontiers in Immunology</i> , 2015 , 6, 587	8.4	5
149	The use of luminex assays to measure cytokines. <i>Journal of Investigative Dermatology</i> , 2015 , 135, 1-5	4.3	18
148	Lower Extremity Allotransplantation: Are We Ready for Prime Time?. <i>Vascularized Composite Allotransplantation</i> , 2015 , 2, 37-46		4

147	Reconstructive Transplantation: From Scientific Dream to Clinical Reality. <i>Pancreatic Islet Biology</i> , 2015 , 3-11	0.4	1
146	Limb Transplantation 2015 , 537-543		
145	A p38MAPK/MK2 signaling pathway leading to redox stress, cell death and ischemia/reperfusion injury. <i>Cell Communication and Signaling</i> , 2014 , 12, 6	7.5	60
144	Facial transplantation: the first 9 years. <i>Lancet, The</i> , 2014 , 384, 2153-63	40	193
143	Injectable bioadhesive hydrogels with innate antibacterial properties. <i>Nature Communications</i> , 2014 , 5, 4095	17.4	211
142	Antibody-mediated rejection in hand transplantation. <i>Transplant International</i> , 2014 , 27, e13-7	3	49
141	Taming inflammation by targeting cytokine signaling: new perspectives in the induction of transplantation tolerance. <i>Immunotherapy</i> , 2014 , 6, 637-53	3.8	4
140	Donor age negatively affects the immunoregulatory properties of both adipose and bone marrow derived mesenchymal stem cells. <i>Transplant Immunology</i> , 2014 , 30, 122-7	1.7	62
139	Murine cervical heart transplantation model using a modified cuff technique. <i>Journal of Visualized Experiments</i> , 2014 , e50753	1.6	11
138	Vascularized Composite Allograft Transplantation Procedure and Surgical Technique 2014 , 703-713		
137	Clinical Allograft Rejection Syndromes in Vascularized Composite Allotransplantation 2014 , 835-843		
136	Abstract 9: selectively permeable nanofiber constructs to prevent inflammatory scarring and enhance nerve regeneration in peripheral nerve injury. <i>Plastic and Reconstructive Surgery</i> , 2014 , 133, 16-17	2.7	1
135	The neck as a preferred recipient site for vascularized composite allotransplantation in the mouse. <i>Plastic and Reconstructive Surgery</i> , 2014 , 133, 133e-141e	2.7	14
134	Using the dorsal, cavernosal, and external pudendal arteries for penile transplantation: technical considerations and perfusion territories. <i>Plastic and Reconstructive Surgery</i> , 2014 , 134, 111e-119e	2.7	32
133	Ancillary procedures necessary for translational research in experimental craniomaxillofacial surgery. <i>Journal of Craniofacial Surgery</i> , 2014 , 25, 2043-50	1.2	8
132	Discussion of lessons learned from the first quadruple extremity transplantation in the world: comments and concerns regarding quadruple extremity allotransplantation. <i>Annals of Plastic Surgery</i> , 2014 , 73, 343-5	1.7	6
131	Preliminary development of a workstation for craniomaxillofacial surgical procedures: introducing a computer-assisted planning and execution system. <i>Journal of Craniofacial Surgery</i> , 2014 , 25, 273-83	1.2	29
130	Insights from computational modeling in inflammation and acute rejection in limb transplantation. <i>PLoS ONE</i> , 2014 , 9, e99926	3.7	19

129	Crucial role for neuronal nitric oxide synthase in early microcirculatory derangement and recipient survival following murine pancreas transplantation. <i>PLoS ONE</i> , 2014 , 9, e112570	3.7	5
128	Hand Transplantation in Its Fourteenth Year: The Innsbruck Experience. <i>Vascularized Composite Allotransplantation</i> , 2014 , 1, 11-21		8
127	Surgical and Logistical Aspects of Donor Limb Procurement in Hand and Upper Extremity Transplantation. <i>Vascularized Composite Allotransplantation</i> , 2014 , 1, 31-41		5
126	Diagnosing skin rejection in vascularized composite allotransplantation: advances and challenges. <i>Clinical Transplantation</i> , 2014 , 28, 277-85	3.8	25
125	An overview of psychosocial assessment procedures in reconstructive hand transplantation. <i>Transplant International</i> , 2014 , 27, 417-27	3	22
124	Lymphoid neogenesis in skin of human hand, nonhuman primate, and rat vascularized composite allografts. <i>Transplant International</i> , 2014 , 27, 966-76	3	23
123	Characterization, prophylaxis, and treatment of infectious complications in craniomaxillofacial and upper extremity allotransplantation: a multicenter perspective. <i>Plastic and Reconstructive Surgery</i> , 2014 , 133, 543e-551e	2.7	27
122	Establishing cephalometric landmarks for the translational study of Le Fort-based facial transplantation in Swine: enhanced applications using computer-assisted surgery and custom cutting guides. <i>Plastic and Reconstructive Surgery</i> , 2014 , 133, 1138-1151	2.7	12
121	Histomorphometric evaluation of ischemia-reperfusion injury and the effect of preservation solutions histidine-tryptophan-ketoglutarate and University of Wisconsin in limb transplantation. <i>Transplantation</i> , 2014 , 98, 713-20	1.8	25
120	The misuse of the terminology "standard of care" hampers innovations in surgery. <i>Annals of Surgery</i> , 2014 , 260, 973-4	7.8	6
119	Proteomics in transplantation. <i>Advances in Clinical Chemistry</i> , 2014 , 67, 215-44	5.8	2
118	Case series on defense mechanisms in patients for reconstructive hand transplantation: consideration on transplant defense concept. <i>Annals of Transplantation</i> , 2014 , 19, 233-40	1.4	4
117	MEMS-based handheld fourier domain Doppler optical coherence tomography for intraoperative microvascular anastomosis imaging. <i>PLoS ONE</i> , 2014 , 9, e114215	3.7	13
116	Composite tissue transplantation. <i>Methods in Molecular Biology</i> , 2013 , 1034, 103-15	1.4	8
115	Minimization of Immunosuppression and Tolerance Induction in Reconstructive Transplantation. <i>Current Surgery Reports</i> , 2013 , 1, 40-46	0.5	7
114	Targeting the Kv1.3 potassium channel for immunosuppression in vascularized composite allotransplantation - a pilot study. <i>Transplant International</i> , 2013 , 26, 552-61	3	7
113	Microvascular anastomosis guidance and evaluation using real-time three-dimensional Fourier-domain Doppler optical coherence tomography. <i>Journal of Biomedical Optics</i> , 2013 , 18, 111404	3.5	15
112	Impact of donor-specific antibodies in reconstructive transplantation. <i>Expert Review of Clinical Immunology</i> , 2013 , 9, 835-44	5.1	14

111	Biomarker discovery in transplantation--proteomic adventure or mission impossible?. <i>Clinical Biochemistry</i> , 2013 , 46, 497-505	3.5	9
110	Tetrahydrobiopterin attenuates ischemia-reperfusion injury following organ transplantation by targeting the nitric oxide synthase: investigations in an animal model. <i>Pteridines</i> , 2013 , 24, 13-19	0.6	
109	Antiviral activity of interferon- γ involved in impaired immune function in infectious diseases. <i>Pteridines</i> , 2013 , 24, 149-164	0.6	3
108	Tetrahydrobiopterin compounds modulate intracellular signaling and reactive oxygen species levels in an in vitro model of ischemia-reperfusion injury. <i>Pteridines</i> , 2013 , 24, 225-235	0.6	
107	Immunomodulatory effects of adipose-derived stem cells: fact or fiction?. <i>BioMed Research International</i> , 2013 , 2013, 383685	3	70
106	Nitric oxide-mediated regulation of ferroportin-1 controls macrophage iron homeostasis and immune function in Salmonella infection. <i>Journal of Experimental Medicine</i> , 2013 , 210, 855-73	16.6	142
105	Immunosuppression and monitoring of rejection in hand transplantation. <i>Techniques in Hand and Upper Extremity Surgery</i> , 2013 , 17, 208-14	0.5	21
104	Trends in immunosuppression after pancreas transplantation: what is in the pipeline?. <i>Current Opinion in Organ Transplantation</i> , 2013 , 18, 76-82	2.5	15
103	Preoperative Anemia and Postoperative Outcomes in Immediate Breast Reconstructive Surgery: A Critical Analysis of 10,958 Patients from the ACS-NSQIP Database. <i>Plastic and Reconstructive Surgery - Global Open</i> , 2013 , 1, e30	1.2	12
102	Review of the early diagnoses and assessment of rejection in vascularized composite allotransplantation. <i>Clinical and Developmental Immunology</i> , 2013 , 2013, 402980		31
101	Current concepts and systematic review of vascularized composite allotransplantation of the abdominal wall. <i>Clinical Transplantation</i> , 2013 , 27, 781-9	3.8	33
100	Standardizing skin biopsy sampling to assess rejection in vascularized composite allotransplantation. <i>Clinical Transplantation</i> , 2013 , 27, E81-90	3.8	40
99	Near-infrared lymphography as a minimally invasive modality for imaging lymphatic reconstitution in a rat orthotopic hind limb transplantation model. <i>Transplant International</i> , 2013 , 26, 928-37	3	13
98	Overcoming cross-gender differences and challenges in Le Fort-based, craniomaxillofacial transplantation with enhanced computer-assisted technology. <i>Annals of Plastic Surgery</i> , 2013 , 71, 421-8	1.7	15
97	A modified heterotopic swine hind limb transplant model for translational vascularized composite allotransplantation (VCA) research. <i>Journal of Visualized Experiments</i> , 2013 ,	1.6	16
96	Combined Co-Stimulatory Blockade and Donor Bone Marrow Cells Induce Robust Immune Tolerance in a Fully MHC-Mismatched Swine Hind Limb Transplant Model. <i>Plastic and Reconstructive Surgery</i> , 2013 , 132, 141	2.7	
95	Upper-extremity transplantation using a cell-based protocol to minimize immunosuppression. <i>Annals of Surgery</i> , 2013 , 257, 345-51	7.8	151
94	Discussion: Lessons learned from simultaneous face and bilateral hand allotransplantation. <i>Plastic and Reconstructive Surgery</i> , 2013 , 132, 433-434	2.7	10

93	A novel laser-Doppler flowmetry assisted murine model of acute hindlimb ischemia-reperfusion for free flap research. <i>PLoS ONE</i> , 2013 , 8, e66498	3.7	11
92	Cutaneous collateral axonal sprouting re-innervates the skin component and restores sensation of denervated Swine osteomyocutaneous alloflaps. <i>PLoS ONE</i> , 2013 , 8, e77646	3.7	7
91	Monocytes loaded with indocyanine green as active homing contrast agents permit optical differentiation of infectious and non-infectious inflammation. <i>PLoS ONE</i> , 2013 , 8, e81430	3.7	3
90	The psychological assessment of candidates for reconstructive hand transplantation. <i>Transplant International</i> , 2012 , 25, 573-85	3	30
89	Prevention of lethal murine pancreas ischemia reperfusion injury is specific for tetrahydrobiopterin. <i>Transplant International</i> , 2012 , 25, 1084-95	3	8
88	A Summary of the Functional Outcomes Following Transplantation of 8 Hands/Upper Extremities in 5 Patients with an Innovative Cell-based Single Drug Immunotherapy Protocol. <i>Journal of Hand Surgery</i> , 2012 , 37, 5	2.6	2
87	Minimizing immunosuppression in hand transplantation. <i>Expert Review of Clinical Immunology</i> , 2012 , 8, 673-83; quiz 684	5.1	47
86	Animal models for basic and translational research in reconstructive transplantation. <i>Birth Defects Research Part C: Embryo Today Reviews</i> , 2012 , 96, 39-50		25
85	Histopathologic characterization of mild rejection (grade I) in skin biopsies of human hand allografts. <i>Transplant International</i> , 2012 , 25, 56-63	3	38
84	Real-time three-dimensional Fourier-domain optical coherence tomography video image guided microsurgies. <i>Journal of Biomedical Optics</i> , 2012 , 17, 081403-1	3.5	32
83	Technical aspects of the recipient operation in hand transplantation. <i>Journal of Reconstructive Microsurgery</i> , 2012 , 28, 27-34	2.5	22
82	Mechanisms and mediators of inflammation: potential models for skin rejection and targeted therapy in vascularized composite allotransplantation. <i>Clinical and Developmental Immunology</i> , 2012 , 2012, 757310		15
81	IDO and regulatory T cell support are critical for cytotoxic T lymphocyte-associated Ag-4 Ig-mediated long-term solid organ allograft survival. <i>Journal of Immunology</i> , 2012 , 188, 37-46	5.3	65
80	Anesthetic management in upper extremity transplantation: the Pittsburgh experience. <i>Anesthesia and Analgesia</i> , 2012 , 115, 678-88	3.9	21
79	Hemiface allotransplantation in the mouse. <i>Plastic and Reconstructive Surgery</i> , 2012 , 129, 867-870	2.7	26
78	Discussion: The Brigham and Women's Hospital face transplant program: a look back. <i>Plastic and Reconstructive Surgery</i> , 2012 , 129, 89e-91e	2.7	
77	Helping hands: caring for the upper extremity transplant patient. <i>Critical Care Nursing Clinics of North America</i> , 2011 , 23, 505-17	1.5	8
76	World experience after more than a decade of clinical hand transplantation: update on the Innsbruck program. <i>Hand Clinics</i> , 2011 , 27, 423-31, viii	1.7	68

75	Surgical and technical aspects of hand transplantation: is it just another replant?. <i>Hand Clinics</i> , 2011 , 27, 521-30, x	1.7	39
74	Favoring the risk-benefit balance for upper extremity transplantation--the Pittsburgh Protocol. <i>Hand Clinics</i> , 2011 , 27, 511-20, ix-x	1.7	38
73	Hand transplantation. <i>Hand Clinics</i> , 2011 , 27, xiii-xiv	1.7	5
72	The effect of chondroitinase on nerve regeneration following composite tissue allotransplantation. <i>Journal of Hand Surgery</i> , 2011 , 36, 1447-52	2.6	17
71	How reconstructive transplantation is different from organ transplantation--and how it is not. <i>Transplantation Proceedings</i> , 2011 , 43, 3504-11	1.1	23
70	Influence of immunosuppressive agents on tryptophan degradation and neopterin production in human peripheral blood mononuclear cells. <i>Transplant Immunology</i> , 2011 , 25, 119-23	1.7	32
69	Concomitant face and hand transplantation: perfect solution or perfect storm?. <i>Annals of Plastic Surgery</i> , 2011 , 67, 309-14	1.7	13
68	Proteomics--a blessing or a curse? Application of proteomics technology to transplant medicine. <i>Transplantation</i> , 2011 , 92, 499-509	1.8	9
67	Achievements and challenges in composite tissue allotransplantation. <i>Transplant International</i> , 2011 , 24, 760-9	3	74
66	Single-center experience with third and fourth kidney transplants. <i>Transplant International</i> , 2011 , 24, 780-6	3	21
65	Expression and prognostic impact of indoleamine 2,3-dioxygenase in oral squamous cell carcinomas. <i>Oral Oncology</i> , 2011 , 47, 352-7	4.4	39
64	Functional outcome after hand and forearm transplantation: what can be achieved?. <i>Hand Clinics</i> , 2011 , 27, 455-65, viii-ix	1.7	41
63	Clinical implementation of a procedure to prepare bone marrow cells from cadaveric vertebral bodies. <i>Regenerative Medicine</i> , 2011 , 6, 701-6	2.5	16
62	Cold ischemia contributes to the development of chronic rejection and mitochondrial injury after cardiac transplantation. <i>Transplant International</i> , 2010 , 23, 1282-92	3	15
61	Alemtuzumab in solid organ transplantation and in composite tissue allotransplantation. <i>Immunotherapy</i> , 2010 , 2, 783-90	3.8	11
60	Hand allotransplantation. <i>Seminars in Plastic Surgery</i> , 2010 , 24, 11-7	2	26
59	Tetrahydrobiopterin protects the kidney from ischemia-reperfusion injury. <i>Kidney International</i> , 2010 , 77, 681-9	9.9	23
58	Neopterin, a prognostic marker in human malignancies. <i>Cancer Letters</i> , 2010 , 287, 13-22	9.9	115

57	Immunologic aspects and rejection in solid organ versus reconstructive transplantation. <i>Transplantation Proceedings</i> , 2010 , 42, 3347-53	1.1	32
56	A Novel Cell-based Immunomodulatory Protocol in Hand Transplantation [The Pittsburgh Experience. <i>Journal of Hand Surgery</i> , 2010 , 35, 51	2.6	1
55	Are B cells agreeable to veto?. <i>Transplantation</i> , 2010 , 89, 646-7	1.8	
54	Mouse hind limb transplantation: a new composite tissue allotransplantation model using nonsuture supermicrosurgery. <i>Transplantation</i> , 2010 , 90, 1374-80	1.8	39
53	Cytomegalovirus mismatch as major risk factor for delayed graft function after pancreas transplantation. <i>Transplantation</i> , 2010 , 90, 666-71	1.8	10
52	A rapid vascular anastomosis technique for hind-limb transplantation in rats. <i>Plastic and Reconstructive Surgery</i> , 2010 , 126, 869-874	2.7	13
51	Orthotopic hind-limb transplantation in rats. <i>Journal of Visualized Experiments</i> , 2010 ,	1.6	10
50	IDO-Mediated Tryptophan Degradation in the Pathogenesis of Malignant Tumor Disease. <i>International Journal of Tryptophan Research</i> , 2010 , 3, 113-20	5.6	35
49	T regulatory cells and transplantation tolerance. <i>Transplantation Reviews</i> , 2010 , 24, 147-59	3.3	36
48	Molecular markers and targeted therapy of skin rejection in composite tissue allotransplantation. <i>American Journal of Transplantation</i> , 2010 , 10, 1200-9	8.7	72
47	Enhanced degradation of tryptophan in patients on hemodialysis. <i>Clinical Nephrology</i> , 2010 , 74, 465-70	2.1	29
46	Composite tissue allotransplantation: hand transplantation and beyond. <i>Journal of the American Academy of Orthopaedic Surgeons</i> , 2010 , 18, 127-31	4.5	33
45	Vagal nerve dissection during pouch formation in laparoscopic Roux-Y-gastric bypass for technical simplification: does it matter?. <i>Obesity Surgery</i> , 2009 , 19, 412-7	3.7	27
44	Intracellular signaling pathways control mitochondrial events associated with the development of ischemia/ reperfusion-associated damage. <i>Transplant International</i> , 2009 , 22, 922-30	3	39
43	Pneumonia in solid organ recipients: spectrum of pathogens in 217 episodes. <i>Transplantation Proceedings</i> , 2009 , 41, 371-4	1.1	38
42	Indoleamine 2,3-dioxygenase and foxp3 expression in skin rejection of human hand allografts. <i>Transplantation Proceedings</i> , 2009 , 41, 509-12	1.1	18
41	The Innsbruck hand transplant program: update at 8 years after the first transplant. <i>Transplantation Proceedings</i> , 2009 , 41, 491-4	1.1	99
40	Infectious complications in three double hand recipients: experience from a single center. <i>Transplantation Proceedings</i> , 2009 , 41, 517-20	1.1	39

39	Alemtuzumab: key for minimization of maintenance immunosuppression in reconstructive transplantation?. <i>Transplantation Proceedings</i> , 2009 , 41, 499-502	1.1	18
38	Proteomic profiling of acute cardiac allograft rejection. <i>Transplantation</i> , 2009 , 88, 553-60	1.8	19
37	The effect of secretory leukocyte protease inhibitor (SLPI) on ischemia/reperfusion injury in cardiac transplantation. <i>American Journal of Transplantation</i> , 2008 , 8, 773-82	8.7	28
36	Clinical relevance of indoleamine 2,3-dioxygenase for alloimmunity and transplantation. <i>Current Opinion in Organ Transplantation</i> , 2008 , 13, 10-5	2.5	20
35	Mitochondrial ischemia-reperfusion injury of the transplanted rat heart: improved protection by preservation versus cardioplegic solutions. <i>Shock</i> , 2008 , 30, 365-71	3.4	14
34	Potential applications of global protein expression analysis (proteomics) in morbid obesity and bariatric surgery. <i>Obesity Surgery</i> , 2008 , 18, 905-10	3.7	7
33	Interferons, immunity and cancer immunoediting leading to impaired immune function in cancer patients. <i>Nature Reviews Immunology</i> , 2007 , 7, 1-2	36.5	4
32	Hemolytic uremic syndrome following Campath-1H induction. <i>Transplant International</i> , 2007 , 20, 386-9	3	11
31	First forearm transplantation: outcome at 3 years. <i>American Journal of Transplantation</i> , 2007 , 7, 1753-62	8.7	85
30	A novel technique for heterotopic vascularized pancreas transplantation in mice to assess ischemia reperfusion injury and graft pancreatitis. <i>Surgery</i> , 2007 , 141, 682-9	3.6	18
29	Laparoscopically implanted gastric pacemaker after kidney-pancreas transplantation: treatment of morbid obesity and diabetic gastroparesis. <i>Obesity Surgery</i> , 2007 , 17, 100-3	3.7	7
28	Implications of IFN-gamma-mediated tryptophan catabolism on solid organ transplantation. <i>Current Drug Metabolism</i> , 2007 , 8, 273-82	3.5	32
27	Chronic immune activation underlies morbid obesity: is IDO a key player?. <i>Current Drug Metabolism</i> , 2007 , 8, 289-95	3.5	81
26	Non-invasive monitoring of kidney allograft rejection through IDO metabolism evaluation. <i>Kidney International</i> , 2007 , 71, 60-7	9.9	85
25	Induction of indoleamine 2,3-dioxygenase in vascular smooth muscle cells by interferon-gamma contributes to medial immunoprivilege. <i>Journal of Immunology</i> , 2007 , 179, 5246-54	5.3	73
24	CTLA4Ig promotes the induction of hematopoietic chimerism and tolerance independently of Indoleamine-2,3-dioxygenase. <i>Transplantation</i> , 2007 , 83, 663-7	1.8	29
23	Selection of Candidates and Waiting List, Dealing with the Media and the Public, Setting Up a Pilot Study, Clinical Trial Organisation, Staff Requisites for Hand Transplantation: The Innsbruck Experience 2007 , 149-156		
22	Status 5 years after bilateral hand transplantation. <i>American Journal of Transplantation</i> , 2006 , 6, 834-41	8.7	65

21	Antitumoral activity of interferon-gamma involved in impaired immune function in cancer patients. <i>Current Drug Metabolism</i> , 2006 , 7, 599-612	3.5	76
20	Prognostic value of indoleamine 2,3-dioxygenase expression in colorectal cancer: effect on tumor-infiltrating T cells. <i>Clinical Cancer Research</i> , 2006 , 12, 1144-51	12.9	459
19	Tetrahydrobiopterin compounds prolong allograft survival independently of their effect on nitric oxide synthase activity. <i>Transplantation</i> , 2006 , 81, 583-9	1.8	20
18	Bariatric surgery cannot prevent tryptophan depletion due to chronic immune activation in morbidly obese patients. <i>Obesity Surgery</i> , 2006 , 16, 541-8	3.7	68
17	Cytomegalovirus-related complications in human hand transplantation. <i>Transplantation</i> , 2005 , 80, 441-7	1.8	81
16	Complete hepatic ischemia due to torsion of a large accessory liver lobe: first case to require transplantation. <i>Transplant International</i> , 2005 , 18, 467-9	3	24
15	14-3-3sigma expression is an independent prognostic parameter for poor survival in colorectal carcinoma patients. <i>Clinical Cancer Research</i> , 2005 , 11, 3274-9	12.9	81
14	Tetrahydro-4-aminobiopterin attenuates dendritic cell-induced T cell priming independently from inducible nitric oxide synthase. <i>Journal of Immunology</i> , 2005 , 174, 7584-91	5.3	13
13	Mitochondrial defects and heterogeneous cytochrome c release after cardiac cold ischemia and reperfusion. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004 , 286, H1633-41	5.2	130
12	Steroid- and ATG-resistant rejection after double forearm transplantation responds to Campath-1H. <i>American Journal of Transplantation</i> , 2004 , 4, 1372-4	8.7	82
11	Overexpression of indoleamine 2,3-dioxygenase in human inflammatory bowel disease. <i>Clinical Immunology</i> , 2004 , 113, 47-55	9	113
10	Lessons to be learned from a complicated case of rhino-cerebral mucormycosis in a renal allograft recipient. <i>Transplant International</i> , 2003 , 16, 885-9	3	2
9	Chemokinexpression von I-TAC, IP-10 und MIG in murinen Herztransplantaten wird nicht beeinflusst durch Cyclosporin-A. <i>Langenbecks Archiv Fu r Chirurgie Supplement</i> , 2003 , 373-375		
8	A double-hand transplant can be worth the effort!. <i>Transplantation</i> , 2002 , 74, 85-90	1.8	88
7	Estradiol enhances murine cardiac allograft rejection under cyclosporin and can be antagonized by the antiestrogen tamoxifen. <i>Transplantation</i> , 2002 , 74, 354-7	1.8	20
6	Gene expression profiling of prolonged cold ischemia and reperfusion in murine heart transplants. <i>Transplantation</i> , 2002 , 74, 1441-9	1.8	31
5	Immunosuppressive Effects of the 4-Amino Analogue of Tetrahydrobiopterin 2002 , 297-300		
4	Interleukin-6 stimulates thrombopoiesis through thrombopoietin: role in inflammatory thrombocytosis. <i>Blood</i> , 2001 , 98, 2720-5	2.2	426

3	Cross reactivity of three T cell attracting murine chemokines stimulating the CXC chemokine receptor CXCR3 and their induction in cultured cells and during allograft rejection. <i>European Journal of Immunology</i> , 2001 , 31, 2521-7	6.1	59
2	The 4-amino analogue of tetrahydrobiopterin efficiently prolongs murine cardiac-allograft survival. <i>Journal of Heart and Lung Transplantation</i> , 2001 , 20, 747-9	5.8	16
1	Cervical heterotopic arterialized liver transplantation in the mouse. <i>Journal of Surgical Research</i> , 2000 , 93, 97-100	2.5	13