

Maria Siemionow

List of Publications by Year in descending order

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114
papers

3,983
citations

109321

35
h-index

133252

59
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115
all docs

115
docs citations

115
times ranked

2505
citing authors

#	ARTICLE	IF	CITATIONS
1	Chapter 8 Current Techniques and Concepts in Peripheral Nerve Repair. International Review of Neurobiology, 2009, 87, 141-172.	2.0	365
2	Near-total human face transplantation for a severely disfigured patient in the USA. Lancet, The, 2009, 374, 203-209.	13.7	314
3	Ischemia/reperfusion injury: A review in relation to free tissue transfers. Microsurgery, 2004, 24, 468-475.	1.3	289
4	Regeneration and repair of peripheral nerves with different biomaterials: Review. Microsurgery, 2010, 30, 574-588.	1.3	154
5	Overview of Guidelines for Establishing a Face Transplant Program: A Work in Progress. American Journal of Transplantation, 2010, 10, 1290-1296.	4.7	99
6	An Update on Facial Transplantation Cases Performed between 2005 and 2010. Plastic and Reconstructive Surgery, 2011, 128, 707e-720e.	1.4	92
7	A Cadaver Study in Preparation for Facial Allograft Transplantation in Humans: Part II. Mock Facial Transplantation. Plastic and Reconstructive Surgery, 2006, 117, 876-885.	1.4	90
8	Face Transplantation. Journal of Craniofacial Surgery, 2012, 23, 254-259.	0.7	88
9	Induction of tolerance in composite-tissue allografts. Transplantation, 2002, 74, 1211-1217.	1.0	86
10	A Cadaver Study in Preparation for Facial Allograft Transplantation in Humans: Part I. What Are Alternative Sources for Total Facial Defect Coverage?. Plastic and Reconstructive Surgery, 2006, 117, 864-872.	1.4	85
11	Nerve Allograft Transplantation: A Review. Journal of Reconstructive Microsurgery, 2007, 23, 511-520.	1.8	85
12	Development and Maintenance of Donor-Specific Chimerism in Semi-Allogenic and Fully Major Histocompatibility Complex Mismatched Facial Allograft Transplants. Transplantation, 2005, 79, 558-567.	1.0	76
13	Prospects for Facial Allograft Transplantation in Humans. Plastic and Reconstructive Surgery, 2004, 113, 1421-1428.	1.4	66
14	The decade of face transplant outcomes. Journal of Materials Science: Materials in Medicine, 2017, 28, 64.	3.6	61
15	Pathways of Sensory Recovery after Face Transplantation. Plastic and Reconstructive Surgery, 2011, 127, 1875-1889.	1.4	60
16	Face as an Organ. Annals of Plastic Surgery, 2008, 61, 345-352.	0.9	57
17	Successes and lessons learned after more than a decade of upper extremity and face transplantation. Current Opinion in Organ Transplantation, 2013, 18, 633-639.	1.6	55
18	Role of Thymus in Operational Tolerance Induction in Limb Allograft Transplant Model. Transplantation, 2006, 81, 1568-1576.	1.0	52

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19	Advances in composite tissue allograft transplantation as related to the hand and upper extremity. <i>Journal of Hand Surgery</i> , 2002, 27, 565-580.	1.6	49
20	Induction of donor-specific tolerance in rat hind-limb allografts under antilymphocyte serum and cyclosporine A protocol. <i>Journal of Hand Surgery</i> , 2002, 27, 1095-1103.	1.6	48
21	The Face as a Sensory Organ. <i>Plastic and Reconstructive Surgery</i> , 2011, 127, 652-662.	1.4	48
22	Coronal-Posterior Approach for Face/Scalp Flap Harvesting in Preparation for Face Transplantation. <i>Journal of Reconstructive Microsurgery</i> , 2006, 22, 399-406.	1.8	47
23	Techniques and materials for enhancement of peripheral nerve regeneration: A literature review. <i>Microsurgery</i> , 2013, 33, 318-328.	1.3	46
24	Composite vascularized skin/bone graft model: A viable source for vascularized bone marrow transplantation. <i>Microsurgery</i> , 2004, 24, 200-206.	1.3	45
25	Hematopoietic Stem Cell Engraftment and Seeding Permits Multi-Lymphoid Chimerism in Vascularized Bone Marrow Transplants. <i>American Journal of Transplantation</i> , 2008, 8, 1163-1176.	4.7	45
26	Advances in the development of experimental composite tissue transplantation models. <i>Transplant International</i> , 2010, 23, 2-13.	1.6	45
27	Peripheral Nerve Defect Repair With Epineural Tubes Supported With Bone Marrow Stromal Cells. <i>Annals of Plastic Surgery</i> , 2011, 67, 73-84.	0.9	45
28	Cost Analysis of Conventional Facial Reconstruction Procedures Followed by Face Transplantation. <i>American Journal of Transplantation</i> , 2011, 11, 379-385.	4.7	45
29	The Issue of "Facial Appearance and Identity Transfer" after Mock Transplantation: A Cadaver Study in Preparation for Facial Allograft Transplantation in Humans. <i>Journal of Reconstructive Microsurgery</i> , 2006, 22, 329-334.	1.8	44
30	Natural conduits for bridging a 15-mm nerve defect: Comparison of the vein supported by muscle and bone marrow stromal cells with a nerve autograft. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , 2013, 66, 251-259.	1.0	42
31	Intraosseus Transplantation of Donor-Derived Hematopoietic Stem and Progenitor Cells Induces Donor-Specific Chimerism and Extends Composite Tissue Allograft Survival. <i>Transplantation Proceedings</i> , 2005, 37, 2303-2308.	0.6	41
32	Clinical Outcome of Peripheral Nerve Decompression in Diabetic and Nondiabetic Peripheral Neuropathy. <i>Annals of Plastic Surgery</i> , 2006, 57, 385-390.	0.9	39
33	ANATOMIC CHARACTERISTICS OF A FASCIA AND ITS BANDS OVERLYING THE ULNAR NERVE IN THE PROXIMAL FOREARM: A CADAVER STUDY. <i>Journal of Hand Surgery: European Volume</i> , 2007, 32, 302-307.	1.0	38
34	Diabetic Neuropathy: Pathogenesis and Treatment. A Review. <i>Journal of Reconstructive Microsurgery</i> , 2004, 20, 241-252.	1.8	37
35	Allotransplantation of the Face: How Close Are We?. <i>Clinics in Plastic Surgery</i> , 2005, 32, 401-409.	1.5	36
36	Applications of Bilateral Vascularized Femoral Bone Marrow Transplantation for Chimerism Induction Across the Major Histocompatibility (MHC) Barrier. <i>Annals of Plastic Surgery</i> , 2006, 57, 422-430.	0.9	36

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37	Epineural Sleeve Neuroorrhaphy: Surgical Technique and Functional Results???A Preliminary Report. <i>Annals of Plastic Surgery</i> , 2002, 48, 281-285.	0.9	34
38	Development of donor-specific chimerism and tolerance in composite tissue allografts under ??-T-cell receptor monoclonal antibody and cyclosporine a treatment protocols. <i>Microsurgery</i> , 2004, 24, 248-254.	1.3	33
39	Role of Blood Transfusion in Transplantation: A Review. <i>Journal of Reconstructive Microsurgery</i> , 2005, 21, 555-564.	1.8	31
40	Impact of Donor Bone Marrow on Survival of Composite Tissue Allografts. <i>Annals of Plastic Surgery</i> , 2008, 60, 455-462.	0.9	29
41	Creation of Dystrophin Expressing Chimeric Cells of Myoblast Origin as a Novel Stem Cell Based Therapy for Duchenne Muscular Dystrophy. <i>Stem Cell Reviews and Reports</i> , 2018, 14, 189-199.	5.6	29
42	Immunomodulatory Effects of Different Cellular Therapies of Bone Marrow Origin on Chimerism Induction and Maintenance Across MHC Barriers in a Face Allograft Transplantation Model. <i>Archivum Immunologiae Et Therapiae Experimentalis</i> , 2016, 64, 299-310.	2.3	28
43	A New Method of Bone Marrow Transplantation Leads to Extension of Skin Allograft Survival. <i>Transplantation Proceedings</i> , 2005, 37, 2309-2314.	0.6	27
44	Long-Term Survival of Composite Hemiface/Mandible/Tongue Allografts Correlates With Multilineage Chimerism Development in the Lymphoid and Myeloid Compartments of Recipients. <i>Transplantation</i> , 2010, 90, 843-852.	1.0	27
45	The miracle of face transplantation after 10 years. <i>British Medical Bulletin</i> , 2016, 120, 5-14.	6.9	27
46	Donorâ€œorigin cell engraftment after intraosseous or intravenous bone marrow transplantation in a rat model. <i>Bone Marrow Transplantation</i> , 2007, 40, 373-380.	2.4	26
47	Isogenic venous graft supported with bone marrow stromal cells as a natural conduit for bridging a 20 mm nerve gap. <i>Microsurgery</i> , 2010, 30, 639-645.	1.3	26
48	Composite osseomusculocutaneous sternum, ribs, thymus, pectoralis muscles, and skin allotransplantation model of bone marrow transplantation. <i>Microsurgery</i> , 2013, 33, 43-50.	1.3	26
49	Current Status of Composite Tissue Allotransplantation. <i>Handchirurgie Mikrochirurgie Plastische Chirurgie</i> , 2007, 39, 145-155.	0.3	25
50	Effect of subepineurial dehydroepiandrosterone treatment on healing of transected nerves repaired with the epineurial sleeve technique. <i>Microsurgery</i> , 2003, 23, 49-55.	1.3	24
51	Experimental Models of Composite Tissue Allograft Transplants. <i>Seminars in Plastic Surgery</i> , 2007, 21, 205-212.	2.1	24
52	Tolerance and Future Directions for Composite Tissue Allograft Transplants: Part II. <i>Plastic and Reconstructive Surgery</i> , 2009, 123, 7e-17e.	1.4	23
53	Dystrophin Expressing Chimeric (DEC) Human Cells Provide a Potential Therapy for Duchenne Muscular Dystrophy. <i>Stem Cell Reviews and Reports</i> , 2018, 14, 370-384.	5.6	23
54	Computer-guided microsurgery: Surgical evaluation of a telerobotic arm. <i>Microsurgery</i> , 2001, 21, 22-29.	1.3	22

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55	A contemporary overview of peripheral nerve research from the Cleveland Clinic Microsurgery Laboratory. <i>Neurological Research</i> , 2004, 26, 218-225.	1.3	22
56	Composite Vascularized Skin/Bone Transplantation Models for Bone Marrow-Based Tolerance Studies. <i>Annals of Plastic Surgery</i> , 2006, 56, 295-300.	0.9	21
57	Repair of Peripheral Nerve Defects With Epineural Sheath Grafts. <i>Annals of Plastic Surgery</i> , 2010, 65, 546-554.	0.9	21
58	The Technical and Anatomical Aspects of the World's First Near-Total Human Face and Maxilla Transplant. <i>Archives of Facial Plastic Surgery</i> , 2009, 11, 369-377.	0.7	21
59	Facial Transplantation. <i>Seminars in Plastic Surgery</i> , 2007, 21, 259-268.	2.1	20
60	Effect of Early Nerve Release on the Progression of Neuropathy in Diabetic Rats. <i>Annals of Plastic Surgery</i> , 2007, 59, 102-108.	0.9	20
61	Chimerism and bone marrow based therapies in transplantation. <i>Microsurgery</i> , 2007, 27, 510-521.	1.3	17
62	Cardiac Protection after Systemic Transplant of Dystrophin Expressing Chimeric (DEC) Cells to the mdx Mouse Model of Duchenne Muscular Dystrophy. <i>Stem Cell Reviews and Reports</i> , 2019, 15, 827-841.	3.8	17
63	Human Dystrophin Expressing Chimeric (DEC) Cell Therapy Ameliorates Cardiac, Respiratory, and Skeletal Muscle's Function in Duchenne Muscular Dystrophy. <i>Stem Cells Translational Medicine</i> , 2021, 10, 1406-1418.	3.3	17
64	A Method of Enhancing Regeneration of Conventionally Repaired Peripheral Nerves. <i>Annals of Plastic Surgery</i> , 1995, 34, 67-75.	0.9	16
65	The Single-Fascicle Method of Nerve Grafting. <i>Annals of Plastic Surgery</i> , 2004, 52, 72-79.	0.9	16
66	Donor Operation for Face Transplantation. <i>Journal of Reconstructive Microsurgery</i> , 2012, 28, 35-42.	1.8	16
67	Impact of Reconstructive Transplantation on the Future of Plastic and Reconstructive Surgery. <i>Clinics in Plastic Surgery</i> , 2012, 39, 425-434.	1.5	16
68	Basics of Immune Responses in Transplantation in Preparation for Application of Composite Tissue Allografts in Plastic and Reconstructive Surgery: Part I. <i>Plastic and Reconstructive Surgery</i> , 2008, 121, 4e-12e.	1.4	15
69	Application of Cell-Based Therapies in Facial Transplantation. <i>Annals of Plastic Surgery</i> , 2012, 69, 575-579.	0.9	15
70	Epineural Sheath Jacket as a New Surgical Technique for Neuroma Prevention in the Rat Sciatic Nerve Model. <i>Annals of Plastic Surgery</i> , 2017, 79, 377-384.	0.9	15
71	Chimerism-Based Experimental Models for Tolerance Induction in Vascularized Composite Allografts: Cleveland Clinic Research Experience. <i>Clinical and Developmental Immunology</i> , 2013, 2013, 1-12.	3.3	14
72	The reversed paradigm of chimerism induction: Donor conditioning with recipientâ€derived bone marrow cells as a novel approach for tolerance induction in vascularized composite allotransplantation. <i>Microsurgery</i> , 2016, 36, 676-683.	1.3	14

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73	Establishing the Feasibility of Face Transplantation in Granulomatosis With Polyangiitis. American Journal of Transplantation, 2016, 16, 2213-2223.	4.7	13
74	Vascularized composite allotransplantation: a new concept in musculoskeletal regeneration. Journal of Materials Science: Materials in Medicine, 2015, 26, 266.	3.6	12
75	Transplantation of Dystrophin Expressing Chimeric Human Cells of Myoblast/Mesenchymal Stem Cell Origin Improves Function in Duchenne Muscular Dystrophy Model. Stem Cells and Development, 2021, 30, 190-202.	2.1	12
76	Long-Term Protective Effect of Human Dystrophin Expressing Chimeric (DEC) Cell Therapy on Amelioration of Function of Cardiac, Respiratory and Skeletal Muscles in Duchenne Muscular Dystrophy. Stem Cell Reviews and Reports, 2022, 18, 2872-2892.	3.8	12
77	Immunologic Responses in Vascularized and Nonvascularized Skin Allografts. Journal of Reconstructive Microsurgery, 2008, 24, 497-505.	1.8	11
78	Anatomic variations of brachial and lumbosacral plexus models in different rat strains. Microsurgery, 2017, 37, 327-333.	1.3	11
79	Tissue Transplantation in Plastic Surgery. Clinics in Plastic Surgery, 2007, 34, 251-269.	1.5	10
80	Cranial defect repair using e-PTFE: Part I. Evaluation of bone stiffness. Journal of Biomedical Materials Research Part B, 2000, 53, 62-66.	3.1	9
81	Analysis of Historical Outcomes of Composite Tissue Allograft Transplants in Nonhuman Primates. Transplantation, 2005, 80, 1374-1375.	1.0	9
82	Trafficking of Donor-Derived Bone Marrow Correlates With Chimerism and Extension of Composite Allograft Survival Across MHC Barrier. Transplantation Proceedings, 2006, 38, 1625-1633.	0.6	9
83	A new total hemiface allotransplantation model in rats. Microsurgery, 2016, 36, 230-238.	1.3	9
84	The effect of thymus transplantation on donor-specific chimerism in the rat model of composite osseomusculocutaneous sternum, ribs, thymus, pectoralis muscles, and skin allotransplantation. Microsurgery, 2020, 40, 576-584.	1.3	9
85	Methods of Assessment of Cortical Plasticity in Patients Following Amputation, Replantation, and Composite Tissue Allograft Transplantation. Annals of Plastic Surgery, 2010, 65, 344-348.	0.9	8
86	Immunodepletive anti-CD2-TCR antibody in transplantation of composite tissue allografts: Cleveland Clinic research experience. Immunotherapy, 2009, 1, 585-598.	2.0	8
87	Strategies for Tolerance Induction in Nonhuman Primates. Annals of Plastic Surgery, 2005, 55, 545-553.	0.9	7
88	Face Transplantation: A Leading Surgeon's Perspective. Transplantation Proceedings, 2011, 43, 2850-2852.	0.6	7
89	Repair of the peripheral nerve gap with epineural sheath conduit to prevent muscle denervation atrophy in the diabetic rat model. Polski Przegląd Chirurgiczny, 2013, 85, 387-94.	0.4	7
90	Application of epineural sheath conduit for restoration of 6-cm long nerve defects in a sheep median nerve model. Microsurgery, 2019, 39, 332-339.	1.3	7

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91	New Minimal Immunosuppression Strategies for Composite Tissue Allograft Transplantation: The Cleveland Clinic Experience. <i>Journal of the American Academy of Orthopaedic Surgeons</i> , The, 2011, 19, S38-S39.	2.5	7
92	Histological Assessment of Wallerian Degeneration of the Rat Tibial Nerve Following Crush and Transection Injuries. <i>Journal of Reconstructive Microsurgery</i> , 2021, 37, 391-404.	1.8	7
93	Donor Recipient Chimeric Cells Induce Chimerism and Extend Survival of Vascularized Composite Allografts. <i>Archivum Immunologiae Et Therapiae Experimentalis</i> , 2021, 69, 13.	2.3	6
94	Application of Human Epineural Conduit Supported with Human Mesenchymal Stem Cells as a Novel Therapy for Enhancement of Nerve Gap Regeneration. <i>Stem Cell Reviews and Reports</i> , 2021, , 1.	3.8	6
95	Introduction of cremaster muscle chamber technique for long-term intravital microscopy. <i>Annals of Plastic Surgery</i> , 1999, 43, 161-6.	0.9	6
96	Microcirculatory effect of topical vapocoolants. <i>Plastic Surgery</i> , 2015, 23, 71-76.	1.0	5
97	Failure in developing a model for complete vascular thrombosis in the common iliac artery in the rat. <i>Microsurgery</i> , 1999, 19, 401-403.	1.3	4
98	Development of Donor Recipient Chimeric Cells of bone marrow origin as a novel approach for tolerance induction in transplantation. <i>Stem Cell Investigation</i> , 2021, 8, 8-8.	3.0	4
99	Application of Epineural Sheath as a Novel Approach for Fat Volume Maintenance. <i>Annals of Plastic Surgery</i> , 2017, 79, 606-612.	0.9	3
100	Assessment of immunologic, proangiogenic and neurogenic properties of human peripheral nerve epineurium for potential clinical application. <i>Histology and Histopathology</i> , 2017, 32, 1197-1205.	0.7	3
101	Arterial crush injury causes decrease in tissue perfusion at the level of the microcirculation in skeletal muscle flap. , 1999, 19, 364-368.		2
102	Effects of h² inhibitor on microcirculation of rat cremaster muscle flap following ischemiaâ€reperfusion injury. <i>Microsurgery</i> , 2017, 37, 624-631.	1.3	2
103	The Positive Impact of Donor Bone Marrow Cells Transplantation into Immunoprivileged Compartments on the Survival of Vascularized Skin Allografts. <i>Archivum Immunologiae Et Therapiae Experimentalis</i> , 2021, 69, 28.	2.3	2
104	The Effects of Microcirculatory Responses to Hypovolemic Shock Following Resuscitation with Colloid Solutions. <i>FASEB Journal</i> , 2008, 22, 730.34.	0.5	2
105	Microcirculatory effect of topical vapocoolants. <i>Plastic Surgery</i> , 2015, 23, 71-6.	1.0	2
106	Composite Tissue Allograft Transplantation. <i>Seminars in Plastic Surgery</i> , 2007, 21, 203-203.	2.1	1
107	Novel approach to treat fecal incontinence with muscle stem cell-based therapy. <i>Techniques in Coloproctology</i> , 2015, 19, 669-670.	1.8	1
108	Reply. <i>Plastic and Reconstructive Surgery</i> , 2019, 143, 439e-440e.	1.4	1

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109	Bone Marrow-Derived Ex Vivo Created Hematopoietic Chimeric Cells to Support Engraftment and Maintain Long-Term Graft Survival in Reconstructive Transplantation. <i>Pancreatic Islet Biology</i> , 2015, , 227-254.	0.3	1
110	Development of Mouse Cremaster Transplantation Model for Intravital Microscopic Evaluation. <i>Microcirculation</i> , 2002, 9, 487-495.	1.8	1
111	Feasibility of Using External Jugular Vein and Its Branches as Y- and X-Shaped Vein Grafts for Bridging of Arterial Defects and Providing Additional Arterial Sources for Free Flap Applications in Rat Model. <i>Journal of Reconstructive Microsurgery</i> , 2014, 30, 371-374.	1.8	0
112	Microcirculatory response to shock wave therapy in ischemia reperfusion " preliminary report.. <i>FASEB Journal</i> , 2007, 21, A1236.	0.5	0
113	Microcirculatory responses to hypovolemic shock following resuscitation with Ringer's solutions.. <i>FASEB Journal</i> , 2007, 21, A1236.	0.5	0
114	PACE therapy and its influence on microcirculatory hemodynamics and leukocyte-endothelial interactions. <i>FASEB Journal</i> , 2008, 22, 731.16.	0.5	0