

# 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	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. <i>Stem Cell Reviews and Reports</i> , 2022, 18, 2872-2892.	3.8	12
2	Transplantation of Dystrophin Expressing Chimeric Human Cells of Myoblast/Mesenchymal Stem Cell Origin Improves Function in Duchenne Muscular Dystrophy Model. <i>Stem Cells and Development</i> , 2021, 30, 190-202.	2.1	12
3	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
4	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
5	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
6	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
7	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
8	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
9	The effect of thymus transplantation on donor-specific chimerism in the rat model of composite osseomusculocutaneous sternum, ribs, thymus, pectoralis muscles, and skin allotransplantation. <i>Microsurgery</i> , 2020, 40, 576-584.	1.3	9
10	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
11	Reply. <i>Plastic and Reconstructive Surgery</i> , 2019, 143, 439e-440e.	1.4	1
12	Application of epineural sheath conduit for restoration of 6â€m long nerve defects in a sheep median nerve model. <i>Microsurgery</i> , 2019, 39, 332-339.	1.3	7
13	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
14	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
15	Anatomic variations of brachial and lumbosacral plexus models in different rat strains. <i>Microsurgery</i> , 2017, 37, 327-333.	1.3	11
16	The decade of face transplant outcomes. <i>Journal of Materials Science: Materials in Medicine</i> , 2017, 28, 64.	3.6	61
17	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
18	Effects of h<sc>PTP</sc> <sup>2</sup> inhibitor on microcirculation of rat cremaster muscle flap following ischemiaâ€reperfusion injury. <i>Microsurgery</i> , 2017, 37, 624-631.	1.3	2

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19	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
20	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
21	A new total hemiface allotransplantation model in rats. <i>Microsurgery</i> , 2016, 36, 230-238.	1.3	9
22	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
23	The miracle of face transplantation after 10 years. <i>British Medical Bulletin</i> , 2016, 120, 5-14.	6.9	27
24	Establishing the Feasibility of Face Transplantation in Granulomatosis With Polyangiitis. <i>American Journal of Transplantation</i> , 2016, 16, 2213-2223.	4.7	13
25	Immunomodulatory Effects of Different Cellular Therapies of Bone Marrow Origin on Chimerism Induction and Maintenance Across MHC Barriers in a Face Allotransplantation Model. <i>Archivum Immunologiae Et Therapiae Experimentalis</i> , 2016, 64, 299-310.	2.3	28
26	Microcirculatory effect of topical vapocoolants. <i>Plastic Surgery</i> , 2015, 23, 71-76.	1.0	5
27	Novel approach to treat fecal incontinence with muscle stem cell-based therapy. <i>Techniques in Coloproctology</i> , 2015, 19, 669-670.	1.8	1
28	Vascularized composite allotransplantation: a new concept in musculoskeletal regeneration. <i>Journal of Materials Science: Materials in Medicine</i> , 2015, 26, 266.	3.6	12
29	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
30	Microcirculatory effect of topical vapocoolants. <i>Plastic Surgery</i> , 2015, 23, 71-6.	1.0	2
31	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
32	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
33	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
34	Techniques and materials for enhancement of peripheral nerve regeneration: A literature review. <i>Microsurgery</i> , 2013, 33, 318-328.	1.3	46
35	Successes and lessons learned after more than a decade of upper extremity and face transplantation. <i>Current Opinion in Organ Transplantation</i> , 2013, 18, 633-639.	1.6	55
36	Repair of the peripheral nerve gap with epineural sheath conduit to prevent muscle denervation atrophy in the diabetic rat model. <i>Polski Przegląd Chirurgiczny</i> , 2013, 85, 387-94.	0.4	7

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37	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
38	Donor Operation for Face Transplantation. <i>Journal of Reconstructive Microsurgery</i> , 2012, 28, 35-42.	1.8	16
39	Face Transplantation. <i>Journal of Craniofacial Surgery</i> , 2012, 23, 254-259.	0.7	88
40	Application of Cell-Based Therapies in Facial Transplantation. <i>Annals of Plastic Surgery</i> , 2012, 69, 575-579.	0.9	15
41	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
42	Face Transplantation: A Leading Surgeon's Perspective. <i>Transplantation Proceedings</i> , 2011, 43, 2850-2852.	0.6	7
43	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
44	An Update on Facial Transplantation Cases Performed between 2005 and 2010. <i>Plastic and Reconstructive Surgery</i> , 2011, 128, 707e-720e.	1.4	92
45	The Face as a Sensory Organ. <i>Plastic and Reconstructive Surgery</i> , 2011, 127, 652-662.	1.4	48
46	Cost Analysis of Conventional Facial Reconstruction Procedures Followed by Face Transplantation. <i>American Journal of Transplantation</i> , 2011, 11, 379-385.	4.7	45
47	Pathways of Sensory Recovery after Face Transplantation. <i>Plastic and Reconstructive Surgery</i> , 2011, 127, 1875-1889.	1.4	60
48	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
49	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
50	Repair of Peripheral Nerve Defects With Epineural Sheath Grafts. <i>Annals of Plastic Surgery</i> , 2010, 65, 546-554.	0.9	21
51	Methods of Assessment of Cortical Plasticity in Patients Following Amputation, Replantation, and Composite Tissue Allograft Transplantation. <i>Annals of Plastic Surgery</i> , 2010, 65, 344-348.	0.9	8
52	Overview of Guidelines for Establishing a Face Transplant Program: A Work in Progress. <i>American Journal of Transplantation</i> , 2010, 10, 1290-1296.	4.7	99
53	Regeneration and repair of peripheral nerves with different biomaterials: Review. <i>Microsurgery</i> , 2010, 30, 574-588.	1.3	154
54	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

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55	Advances in the development of experimental composite tissue transplantation models. <i>Transplant International</i> , 2010, 23, 2-13.	1.6	45
56	Near-total human face transplantation for a severely disfigured patient in the USA. <i>Lancet, The</i> , 2009, 374, 203-209.	13.7	314
57	Chapter 8 Current Techniques and Concepts in Peripheral Nerve Repair. <i>International Review of Neurobiology</i> , 2009, 87, 141-172.	2.0	365
58	Tolerance and Future Directions for Composite Tissue Allograft Transplants: Part II. <i>Plastic and Reconstructive Surgery</i> , 2009, 123, 7e-17e.	1.4	23
59	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
60	Immunodepletive anti- $\alpha\beta$ 2-TCR antibody in transplantation of composite tissue allografts: Cleveland Clinic research experience. <i>Immunotherapy</i> , 2009, 1, 585-598.	2.0	8
61	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
62	Immunologic Responses in Vascularized and Nonvascularized Skin Allografts. <i>Journal of Reconstructive Microsurgery</i> , 2008, 24, 497-505.	1.8	11
63	Face as an Organ. <i>Annals of Plastic Surgery</i> , 2008, 61, 345-352.	0.9	57
64	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
65	Impact of Donor Bone Marrow on Survival of Composite Tissue Allografts. <i>Annals of Plastic Surgery</i> , 2008, 60, 455-462.	0.9	29
66	The Effects of Microcirculatory Responses to Hypovolemic Shock Following Resuscitation with Colloid Solutions. <i>FASEB Journal</i> , 2008, 22, 730.34.	0.5	2
67	PACE therapy and its influence on microcirculatory hemodynamics and leukocyte-endothelial interactions. <i>FASEB Journal</i> , 2008, 22, 731.16.	0.5	0
68	Current Status of Composite Tissue Allotransplantation. <i>Handchirurgie Mikrochirurgie Plastische Chirurgie</i> , 2007, 39, 145-155.	0.3	25
69	Composite Tissue Allograft Transplantation. <i>Seminars in Plastic Surgery</i> , 2007, 21, 203-203.	2.1	1
70	Experimental Models of Composite Tissue Allograft Transplants. <i>Seminars in Plastic Surgery</i> , 2007, 21, 205-212.	2.1	24
71	Facial Transplantation. <i>Seminars in Plastic Surgery</i> , 2007, 21, 259-268.	2.1	20
72	Nerve Allograft Transplantation: A Review. <i>Journal of Reconstructive Microsurgery</i> , 2007, 23, 511-520.	1.8	85

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73	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
74	Tissue Transplantation in Plastic Surgery. <i>Clinics in Plastic Surgery</i> , 2007, 34, 251-269.	1.5	10
75	Chimerism and bone marrow based therapies in transplantation. <i>Microsurgery</i> , 2007, 27, 510-521.	1.3	17
76	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
77	Donorâ€‘origin 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
78	Microcirculatory response to shock wave therapy in ischemia reperfusion â€‘ preliminary report.. <i>FASEB Journal</i> , 2007, 21, A1236.	0.5	0
79	Microcirculatory responses to hypovolemic shock following resuscitation with Ringerâ€™s solutions.. <i>FASEB Journal</i> , 2007, 21, A1236.	0.5	0
80	Trafficking of Donor-Derived Bone Marrow Correlates With Chimerism and Extension of Composite Allograft Survival Across MHC Barrier. <i>Transplantation Proceedings</i> , 2006, 38, 1625-1633.	0.6	9
81	A Cadaver Study in Preparation for Facial Allograft Transplantation in Humans: Part II. Mock Facial Transplantation. <i>Plastic and Reconstructive Surgery</i> , 2006, 117, 876-885.	1.4	90
82	Role of Thymus in Operational Tolerance Induction in Limb Allograft Transplant Model. <i>Transplantation</i> , 2006, 81, 1568-1576.	1.0	52
83	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
84	A Cadaver Study in Preparation for Facial Allograft Transplantation in Humans: Part I. What Are Alternative Sources for Total Facial Defect Coverage?. <i>Plastic and Reconstructive Surgery</i> , 2006, 117, 864-872.	1.4	85
85	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
86	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
87	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
88	The Issue of â€‘Facial Appearance and Identity Transferâ€™ 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
89	Analysis of Historical Outcomes of Composite Tissue Allograft Transplants in Nonhuman Primates. <i>Transplantation</i> , 2005, 80, 1374-1375.	1.0	9
90	Development and Maintenance of Donor-Specific Chimerism in Semi-Allogenic and Fully Major Histocompatibility Complex Mismatched Facial Allograft Transplants. <i>Transplantation</i> , 2005, 79, 558-567.	1.0	76

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91	Strategies for Tolerance Induction in Nonhuman Primates. <i>Annals of Plastic Surgery</i> , 2005, 55, 545-553.	0.9	7
92	Role of Blood Transfusion in Transplantation: A Review. <i>Journal of Reconstructive Microsurgery</i> , 2005, 21, 555-564.	1.8	31
93	Allotransplantation of the Face: How Close Are We?. <i>Clinics in Plastic Surgery</i> , 2005, 32, 401-409.	1.5	36
94	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
95	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
96	Diabetic Neuropathy: Pathogenesis and Treatment. A Review. <i>Journal of Reconstructive Microsurgery</i> , 2004, 20, 241-252.	1.8	37
97	A contemporary overview of peripheral nerve research from the Cleveland Clinic Microsurgery Laboratory. <i>Neurological Research</i> , 2004, 26, 218-225.	1.3	22
98	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
99	Composite vascularized skin/bone graft model: A viable source for vascularized bone marrow transplantation. <i>Microsurgery</i> , 2004, 24, 200-206.	1.3	45
100	Ischemia/reperfusion injury: A review in relation to free tissue transfers. <i>Microsurgery</i> , 2004, 24, 468-475.	1.3	289
101	The Single-Fascicle Method of Nerve Grafting. <i>Annals of Plastic Surgery</i> , 2004, 52, 72-79.	0.9	16
102	Prospects for Facial Allograft Transplantation in Humans. <i>Plastic and Reconstructive Surgery</i> , 2004, 113, 1421-1428.	1.4	66
103	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
104	Induction of tolerance in composite-tissue allografts. <i>Transplantation</i> , 2002, 74, 1211-1217.	1.0	86
105	Epineurial Sleeve Neurorrhaphy: Surgical Technique and Functional Results???A Preliminary Report. <i>Annals of Plastic Surgery</i> , 2002, 48, 281-285.	0.9	34
106	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
107	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
108	Development of Mouse Cremaster Transplantation Model for Intravital Microscopic Evaluation. <i>Microcirculation</i> , 2002, 9, 487-495.	1.8	1

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109	Computer-guided microsurgery: Surgical evaluation of a telerobotic arm. <i>Microsurgery</i> , 2001, 21, 22-29.	1.3	22
110	Cranial defect repair using e-PTFE: Part I. Evaluation of bone stiffness. <i>Journal of Biomedical Materials Research Part B</i> , 2000, 53, 62-66.	3.1	9
111	Arterial crush injury causes decrease in tissue perfusion at the level of the microcirculation in skeletal muscle flap. , 1999, 19, 364-368.		2
112	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
113	Introduction of cremaster muscle chamber technique for long-term intravital microscopy. <i>Annals of Plastic Surgery</i> , 1999, 43, 161-6.	0.9	6
114	A Method of Enhancing Regeneration of Conventionally Repaired Peripheral Nerves. <i>Annals of Plastic Surgery</i> , 1995, 34, 67-75.	0.9	16