

# Raymund E Horch

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/5535537/raymund-e-horch-publications-by-citations.pdf>

**Version:** 2024-04-23

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.

402  
papers

9,235  
citations

48  
h-index

75  
g-index

504  
ext. papers

10,931  
ext. citations

3.3  
avg, IF

6.08  
L-index

#	Paper	IF	Citations
402	Tissue engineering of bone: the reconstructive surgeon's point of view. <i>Journal of Cellular and Molecular Medicine</i> , <b>2006</b> , 10, 7-19	5.6	405
401	Safety of autologous bone marrow-derived mesenchymal stem cell transplantation for cartilage repair in 41 patients with 45 joints followed for up to 11 years and 5 months. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , <b>2011</b> , 5, 146-50	4.4	232
400	Tissue engineering of cultured skin substitutes. <i>Journal of Cellular and Molecular Medicine</i> , <b>2005</b> , 9, 592-608		217
399	Engineering of vascularized transplantable bone tissues: induction of axial vascularization in an osteoconductive matrix using an arteriovenous loop. <i>Tissue Engineering</i> , <b>2006</b> , 12, 1721-31		179
398	Activation of STAT3 integrates common profibrotic pathways to promote fibroblast activation and tissue fibrosis. <i>Nature Communications</i> , <b>2017</b> , 8, 1130	17.4	155
397	Porous ceramic bone scaffolds for vascularized bone tissue regeneration. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2008</b> , 19, 2781-90	4.5	120
396	Single-cell suspensions of cultured human keratinocytes in fibrin-glue reconstitute the epidermis. <i>Cell Transplantation</i> , <b>1998</b> , 7, 309-17	4	110
395	Single-Cell Suspensions of Cultured Human Keratinocytes in Fibrin-Glue Reconstitute the Epidermis. <i>Cell Transplantation</i> , <b>1998</b> , 7, 309-317	4	109
394	Delayed reverse sural flap for staged reconstruction of the foot and lower leg. <i>Plastic and Reconstructive Surgery</i> , <b>2005</b> , 116, 1910-7	2.7	108
393	Translating tissue engineering technology platforms into cancer research. <i>Journal of Cellular and Molecular Medicine</i> , <b>2009</b> , 13, 1417-27	5.6	106
392	Gene transfer strategies in tissue engineering. <i>Journal of Cellular and Molecular Medicine</i> , <b>2007</b> , 11, 206-236		103
391	A new approach to tissue engineering of vascularized skeletal muscle. <i>Journal of Cellular and Molecular Medicine</i> , <b>2006</b> , 10, 716-26	5.6	97
390	Axial prevascularization of porous matrices using an arteriovenous loop promotes survival and differentiation of transplanted autologous osteoblasts. <i>Tissue Engineering</i> , <b>2007</b> , 13, 1549-60		96
389	Cultured human keratinocytes on type I collagen membranes to reconstitute the epidermis. <i>Tissue Engineering</i> , <b>2000</b> , 6, 53-67		93
388	Successful human long-term application of in situ bone tissue engineering. <i>Journal of Cellular and Molecular Medicine</i> , <b>2014</b> , 18, 1478-85	5.6	91
387	Hepatic tissue engineering: from transplantation to customized cell-based liver directed therapies from the laboratory. <i>Journal of Cellular and Molecular Medicine</i> , <b>2008</b> , 12, 56-66	5.6	87
386	Median nerve compression can be detected by magnetic resonance imaging of the carpal tunnel. <i>Neurosurgery</i> , <b>1997</b> , 41, 76-82; discussion 82-3	3.2	81

385	50 years experience with Dupuytren's contracture in the Erlangen University Hospital--a retrospective analysis of 2919 operated hands from 1956 to 2006. <i>BMC Musculoskeletal Disorders</i> , <b>2007</b> , 8, 60	2.8	81
384	and Biocompatibility of Alginate Dialdehyde/Gelatin Hydrogels with and without Nanoscaled Bioactive Glass for Bone Tissue Engineering Applications. <i>Materials</i> , <b>2014</b> , 7, 1957-1974	3.5	80
383	Osteoinduction and survival of osteoblasts and bone-marrow stromal cells in 3D biphasic calcium phosphate scaffolds under static and dynamic culture conditions. <i>Journal of Cellular and Molecular Medicine</i> , <b>2012</b> , 16, 2350-61	5.6	78
382	Topical negative pressure wound therapy: a review of its role and guidelines for its use in the management of acute wounds. <i>International Wound Journal</i> , <b>2008</b> , 5, 511-29	2.6	77
381	Fibrin gel-immobilized VEGF and bFGF efficiently stimulate angiogenesis in the AV loop model. <i>Molecular Medicine</i> , <b>2007</b> , 13, 480-7	6.2	75
380	Evidence-based medicine: vacuum-assisted closure in wound care management. <i>International Wound Journal</i> , <b>2007</b> , 4, 256-69	2.6	73
379	Evaluation of angiogenesis of bioactive glass in the arteriovenous loop model. <i>Tissue Engineering - Part C: Methods</i> , <b>2013</b> , 19, 479-86	2.9	72
378	MR imaging of the carpal tunnel. <i>European Journal of Radiology</i> , <b>1997</b> , 25, 141-5	4.7	72
377	Transplantation of cultured autologous keratinocytes in fibrin sealant biomatrix to resurface chronic wounds. <i>Transplantation Proceedings</i> , <b>2001</b> , 33, 642-4	1.1	72
376	Evaluation of processed bovine cancellous bone matrix seeded with syngenic osteoblasts in a critical size calvarial defect rat model. <i>Journal of Cellular and Molecular Medicine</i> , <b>2006</b> , 10, 695-707	5.6	71
375	Collagen matrices from sponge to nano: new perspectives for tissue engineering of skeletal muscle. <i>BMC Biotechnology</i> , <b>2009</b> , 9, 34	3.5	70
374	Bioactive copper-doped glass scaffolds can stimulate endothelial cells in co-culture in combination with mesenchymal stem cells. <i>PLoS ONE</i> , <b>2014</b> , 9, e113319	3.7	69
373	Autonomously vascularized cellular constructs in tissue engineering: opening a new perspective for biomedical science. <i>Journal of Cellular and Molecular Medicine</i> , <b>2007</b> , 11, 6-20	5.6	68
372	Treatment of second degree facial burns with allografts--preliminary results. <i>Burns</i> , <b>2005</b> , 31, 597-602	2.3	68
371	Applied tissue engineering in the closure of severe burns and chronic wounds using cultured human autologous keratinocytes in a natural fibrin matrix. <i>Cell and Tissue Banking</i> , <b>2004</b> , 5, 89-96	2.2	68
370	Axial vascularization of a large volume calcium phosphate ceramic bone substitute in the sheep AV loop model. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , <b>2010</b> , 4, 216-23	4.4	67
369	The venous graft as an effector of early angiogenesis in a fibrin matrix. <i>Microvascular Research</i> , <b>2008</b> , 75, 25-33	3.7	67
368	Insulin treatment improves hepatic morphology and function through modulation of hepatic signals after severe trauma. <i>Annals of Surgery</i> , <b>2004</b> , 240, 340-9	7.8	66

367	Engineering skeletal muscle tissue--new perspectives in vitro and in vivo. <i>Journal of Cellular and Molecular Medicine</i> , <b>2010</b> , 14, 2622-9	5.6	65
366	A hundred patients with vertical rectus abdominis myocutaneous (VRAM) flap for pelvic reconstruction after total pelvic exenteration. <i>International Journal of Colorectal Disease</i> , <b>2014</b> , 29, 813-23	2.3	60
365	Engineering axially vascularized bone in the sheep arteriovenous-loop model. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , <b>2013</b> , 7, 654-64	4.4	57
364	Incisional negative pressure wound therapy for high-risk wounds. <i>Journal of Wound Care</i> , <b>2015</b> , 24, 21-8	2.2	56
363	Myogenic differentiation of mesenchymal stem cells co-cultured with primary myoblasts. <i>Cell Biology International</i> , <b>2011</b> , 35, 397-406	4.5	55
362	Acceleration of vascularized bone tissue-engineered constructs in a large animal model combining intrinsic and extrinsic vascularization. <i>Tissue Engineering - Part A</i> , <b>2015</b> , 21, 1680-94	3.9	51
361	Automatic quantitative micro-computed tomography evaluation of angiogenesis in an axially vascularized tissue-engineered bone construct. <i>Tissue Engineering - Part C: Methods</i> , <b>2010</b> , 16, 1503-14	2.9	51
360	Phosphaturic Mesenchymal Tumors: Clinicopathologic, Immunohistochemical and Molecular Analysis of 22 Cases Expanding their Morphologic and Immunophenotypic Spectrum. <i>American Journal of Surgical Pathology</i> , <b>2017</b> , 41, 1371-1380	6.7	50
359	Intrapulmonary and cutaneous siliconomas after silent silicone breast implant failure. <i>Breast Journal</i> , <b>2009</b> , 15, 496-9	1.2	49
358	Plasmid gene delivery to human keratinocytes through a fibrin-mediated transfection system. <i>Tissue Engineering</i> , <b>2001</b> , 7, 757-66		49
357	Induction of bone formation in biphasic calcium phosphate scaffolds by bone morphogenetic protein-2 and primary osteoblasts. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , <b>2014</b> , 8, 176-85	4.4	48
356	Dose-finding study of fibrin gel-immobilized vascular endothelial growth factor 165 and basic fibroblast growth factor in the arteriovenous loop rat model. <i>Tissue Engineering - Part A</i> , <b>2009</b> , 15, 2501-11	3.9	48
355	Correlation between serum creatinine kinase levels and extent of muscle damage in electrical burns. <i>Burns</i> , <b>2004</b> , 30, 680-3	2.3	48
354	Tissue engineering and regenerative medicine -where do we stand?. <i>Journal of Cellular and Molecular Medicine</i> , <b>2012</b> , 16, 1157-65	5.6	47
353	Directly auto-transplanted mesenchymal stem cells induce bone formation in a ceramic bone substitute in an ectopic sheep model. <i>Journal of Cellular and Molecular Medicine</i> , <b>2011</b> , 15, 1364-78	5.6	47
352	Bilateral pedicled myocutaneous vertical rectus abdominis muscle flaps to close vesicovaginal and pouch-vaginal fistulas with simultaneous vaginal and perineal reconstruction in irradiated pelvic wounds. <i>Urology</i> , <b>2002</b> , 60, 502-7	1.6	47
351	The versatility of the distally based peroneus brevis muscle flap in reconstructive surgery of the foot and lower leg. <i>Annals of Plastic Surgery</i> , <b>2007</b> , 58, 397-404	1.7	44
350	PHDs inhibitor DMOG promotes the vascularization process in the AV loop by HIF-1a up-regulation and the preliminary discussion on its kinetics in rat. <i>BMC Biotechnology</i> , <b>2014</b> , 14, 112	3.5	43

349	Insulin attenuates apoptosis and exerts anti-inflammatory effects in endotoxemic human macrophages. <i>Journal of Surgical Research</i> , <b>2007</b> , 143, 398-406	2.5	43
348	A case of familial tumoral calcinosis in a neonate and review of the literature. <i>Archives of Orthopaedic and Trauma Surgery</i> , <b>2004</b> , 124, 563-7	3.6	43
347	Cancer research by means of tissue engineering--is there a rationale?. <i>Journal of Cellular and Molecular Medicine</i> , <b>2013</b> , 17, 1197-206	5.6	42
346	Regenerative medicine: then and now--an update of recent history into future possibilities. <i>Journal of Cellular and Molecular Medicine</i> , <b>2010</b> , 14, 2350-8	5.6	42
345	Dipeptidylpeptidase 4 as a Marker of Activated Fibroblasts and a Potential Target for the Treatment of Fibrosis in Systemic Sclerosis. <i>Arthritis and Rheumatology</i> , <b>2020</b> , 72, 137-149	9.5	42
344	Oxidized Alginate-Gelatin Hydrogel: A Favorable Matrix for Growth and Osteogenic Differentiation of Adipose-Derived Stem Cells in 3D. <i>ACS Biomaterials Science and Engineering</i> , <b>2017</b> , 3, 1730-1737	5.5	41
343	Treatment of therapy-refractive ulcera cruris of various origins with autologous keratinocytes in fibrin sealant. <i>Vasa - European Journal of Vascular Medicine</i> , <b>2005</b> , 34, 25-9	1.9	41
342	Phenol burns and intoxications. <i>Burns</i> , <b>1994</b> , 20, 45-50	2.3	41
341	Results of combined vascular reconstruction and free flap transfer for limb salvage in patients with critical limb ischemia. <i>Journal of Vascular Surgery</i> , <b>2015</b> , 61, 1239-48	3.5	40
340	Experimental total wrapping of breast implants with acellular dermal matrix: a preventive tool against capsular contracture in breast surgery?. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , <b>2013</b> , 66, 1382-9	1.7	40
339	De novo generation of axially vascularized tissue in a large animal model. <i>Microsurgery</i> , <b>2009</b> , 29, 42-51	2.1	40
338	Enhancing mandibular bone regeneration and perfusion via axial vascularization of scaffolds. <i>Clinical Oral Investigations</i> , <b>2014</b> , 18, 1671-8	4.2	39
337	Foreign body reaction after usage of tissue adhesives for skin closure: a case report and review of the literature. <i>Archives of Orthopaedic and Trauma Surgery</i> , <b>2009</b> , 129, 167-9	3.6	39
336	Evaluation of blood vessel ingrowth in fibrin gel subject to type and concentration of growth factors. <i>Journal of Cellular and Molecular Medicine</i> , <b>2009</b> , 13, 2864-74	5.6	38
335	Cultured keratinocytes in fibrin with decellularised dermis close porcine full-thickness wounds in a single step. <i>Burns</i> , <b>2008</b> , 34, 1015-21	2.3	38
334	Intrinsic axial vascularization of an osteoconductive bone matrix by means of an arteriovenous vascular bundle. <i>Plastic and Reconstructive Surgery</i> , <b>2007</b> , 120, 855-868	2.7	38
333	Accelerated wound healing by in vivo application of keratinocytes overexpressing KGF. <i>Molecular Therapy</i> , <b>2004</b> , 10, 86-96	11.7	38
332	Novel strontium-doped bioactive glass nanoparticles enhance proliferation and osteogenic differentiation of human bone marrow stromal cells. <i>Journal of Nanoparticle Research</i> , <b>2013</b> , 15, 1	2.3	37

331	Combination of extrinsic and intrinsic pathways significantly accelerates axial vascularization of bioartificial tissues. <i>Plastic and Reconstructive Surgery</i> , <b>2012</b> , 129, 55e-65e	2.7	37
330	Combination of BMP2 and MSCs significantly increases bone formation in the rat arterio-venous loop model. <i>Tissue Engineering - Part A</i> , <b>2015</b> , 21, 96-105	3.9	36
329	Sensory transduction in peripheral nerve axons elicits ectopic action potentials. <i>Journal of Neuroscience</i> , <b>2008</b> , 28, 6281-4	6.6	36
328	N-acetyl-L-cysteine abrogates fibrogenic properties of fibroblasts isolated from Dupuytren's disease by blunting TGF-beta signalling. <i>Journal of Cellular and Molecular Medicine</i> , <b>2006</b> , 10, 157-65	5.6	36
327	Comparison of the effect of a collagen dressing and a polyurethane dressing on the healing of split thickness skin graft (STSG) donor sites. <i>Scandinavian Journal of Plastic and Reconstructive Surgery and Hand Surgery</i> , <b>1998</b> , 32, 407-13		36
326	Adipose- and bone marrow-derived mesenchymal stem cells display different osteogenic differentiation patterns in 3D bioactive glass-based scaffolds. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , <b>2016</b> , 10, E497-E509	4.4	35
325	Foetal hepatocyte transplantation in a vascularized AV-Loop transplantation model in the rat. <i>Journal of Cellular and Molecular Medicine</i> , <b>2010</b> , 14, 267-74	5.6	35
324	Cracking the perfusion code?: Laser-assisted Indocyanine Green angiography and combined laser Doppler spectrophotometry for intraoperative evaluation of tissue perfusion in autologous breast reconstruction with DIEP or ms-TRAM flaps. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , <b>2011</b> , 12, 1222-8	1.7	35
323	Endothelial progenitor cells are integrated in newly formed capillaries and alter adjacent fibrovascular tissue after subcutaneous implantation in a fibrin matrix. <i>Journal of Cellular and Molecular Medicine</i> , <b>2011</b> , 15, 2452-61	5.6	34
322	Hyaluronan-based heparin-incorporated hydrogels for generation of axially vascularized bioartificial bone tissues: in vitro and in vivo evaluation in a PLDLLA-TCP-PCL-composite system. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2011</b> , 22, 1279-91	4.5	34
321	Vascular Tissue Engineering: Effects of Integrating Collagen into a PCL Based Nanofiber Material. <i>BioMed Research International</i> , <b>2017</b> , 2017, 9616939	3	33
320	The use of the artificial dermis (Integra) in combination with vacuum assisted closure for reconstruction of an extensive burn scar--a case report. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , <b>2010</b> , 63, e32-5	1.7	33
319	De novo generation of an axially vascularized processed bovine cancellous-bone substitute in the sheep arteriovenous-loop model. <i>European Surgical Research</i> , <b>2011</b> , 46, 148-55	1.1	33
318	Negative pressure wound treatment with computer-controlled irrigation/instillation decreases bacterial load in contaminated wounds and facilitates wound closure. <i>International Wound Journal</i> , <b>2018</b> , 15, 978-984	2.6	32
317	Development of a pre-vascularized 3D scaffold-hydrogel composite graft using an arterio-venous loop for tissue engineering applications. <i>Journal of Biomaterials Applications</i> , <b>2012</b> , 27, 277-89	2.9	32
316	Differentiation of osteoblasts in three-dimensional culture in processed cancellous bone matrix: quantitative analysis of gene expression based on real-time reverse transcription-polymerase chain reaction. <i>Tissue Engineering</i> , <b>2005</b> , 11, 855-64		32
315	Cologne Burn Centre experiences with glycerol-preserved allogeneic skin: Part I: Clinical experiences and histological findings (overgraft and sandwich technique). <i>Burns</i> , <b>1994</b> , 20 Suppl 1, S23-6	2.3	32
314	Comparison between distally based peroneus brevis and sural flaps for reconstruction of foot, ankle and distal lower leg: an analysis of donor-site morbidity and clinical outcome. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , <b>2011</b> , 64, 656-62	1.7	31

313	Improved safety of autologous breast reconstruction surgery by stabilisation of microsurgical vessel anastomoses using fibrin sealant in 349 free DIEP or fascia-muscle-sparing (fms)-TRAM flaps: a two-centre study. <i>Breast</i> , <b>2008</b> , 17, 492-8	3.6	31
312	Wide topical negative pressure wound dressing treatment for patients undergoing abdominal dermolipectomy following massive weight loss. <i>Obesity Surgery</i> , <b>2011</b> , 21, 1781-6	3.7	30
311	Ulnar shortening after TFCC suture repair of Palmer type 1B lesions. <i>Archives of Orthopaedic and Trauma Surgery</i> , <b>2010</b> , 130, 301-6	3.6	30
310	Tensiometry as a decision tool for abdominal wall reconstruction with component separation. <i>World Journal of Surgery</i> , <b>2009</b> , 33, 1174-80	3.3	29
309	The versatility of the free osteocutaneous fibula flap in the reconstruction of extremities after sarcoma resection. <i>World Journal of Surgical Oncology</i> , <b>2004</b> , 2, 22	3.4	29
308	Sternal wound infections following cardiac surgery: risk factor analysis and interdisciplinary treatment. <i>Heart Surgery Forum</i> , <b>2007</b> , 10, E366-71	0.7	29
307	The effect of vacuum-assisted closure on lymph vessels in chronic wounds. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , <b>2009</b> , 62, 1068-75	1.7	28
306	Acute postoperative infection with <i>Aeromonas hydrophila</i> after using medical leeches for treatment of venous congestion. <i>Archives of Orthopaedic and Trauma Surgery</i> , <b>2010</b> , 130, 1323-8	3.6	28
305	Poly(ADP-ribose) polymerase-1 regulates fibroblast activation in systemic sclerosis. <i>Annals of the Rheumatic Diseases</i> , <b>2018</b> , 77, 744-751	2.4	27
304	Selective isolation and characterization of primary cells from normal breast and tumors reveal plasticity of adipose derived stem cells. <i>Breast Cancer Research</i> , <b>2016</b> , 18, 32	8.3	27
303	To matrigel or not to matrigel. <i>American Journal of Pathology</i> , <b>2008</b> , 172, 1441; author reply 1441-2	5.8	25
302	Pectus excavatum breast and chest deformity: indications for aesthetic plastic surgery versus thoracic surgery in a multicenter experience. <i>Aesthetic Plastic Surgery</i> , <b>2006</b> , 30, 403-11	2	25
301	In vitro cell response to Co-containing 1,393 bioactive glass. <i>Materials Science and Engineering C</i> , <b>2015</b> , 57, 157-63	8.3	24
300	Retrospective cohort study of combined approach for trunk reconstruction using arteriovenous loops and free flaps. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , <b>2018</b> , 71, 394-401	1.7	24
299	Zonal perfusion patterns in pedicled free-style perforator flaps. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , <b>2014</b> , 67, e9-17	1.7	24
298	Vacuum assisted closure: recommendations for use. A consensus document. <i>International Wound Journal</i> , <b>2008</b> , 5 Suppl 4, iii-19	2.6	24
297	Composition and characteristics of an autologous thrombocyte gel. <i>Journal of Surgical Research</i> , <b>2004</b> , 117, 202-7	2.5	24
296	Effect of ultrasonic assisted lipectomy (UAL) on breast tissue: histological findings. <i>Aesthetic Plastic Surgery</i> , <b>2001</b> , 25, 85-8	2	24

295	Metastatic malignant acrospiroma of the hand. <i>European Journal of Surgical Oncology</i> , <b>2001</b> , 27, 431-5	3.6	24
294	T17b murine embryonal endothelial progenitor cells can be induced towards both proliferation and differentiation in a fibrin matrix. <i>Journal of Cellular and Molecular Medicine</i> , <b>2009</b> , 13, 926-35	5.6	23
293	High throughput screening of gene functions in mammalian cells using reversely transfected cell arrays: review and protocol. <i>Combinatorial Chemistry and High Throughput Screening</i> , <b>2008</b> , 11, 159-72	1.3	23
292	Liver fibrogenesis due to cholestasis is associated with increased Smad7 expression and Smad3 signaling. <i>Journal of Cellular and Molecular Medicine</i> , <b>2006</b> , 10, 922-32	5.6	23
291	The rectus abdominis free flap as an emergency procedure in extensive upper extremity soft-tissue defects. <i>Plastic and Reconstructive Surgery</i> , <b>1999</b> , 103, 1421-7	2.7	23
290	Self-Assembled Human Adipose-Derived Stem Cell-Derived Extracellular Vesicle-Functionalized Biotin-Doped Polypyrrole Titanium with Long-Term Stability and Potential Osteoinductive Ability. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 46183-46196	9.5	23
289	The Arteriovenous Loop: Engineering of Axially Vascularized Tissue. <i>European Surgical Research</i> , <b>2018</b> , 59, 286-299	1.1	23
288	Intrinsic versus extrinsic vascularization in tissue engineering. <i>Advances in Experimental Medicine and Biology</i> , <b>2006</b> , 585, 311-26	3.6	23
287	Myogenic differentiation of mesenchymal stem cells in a newly developed neurotised AV-loop model. <i>BioMed Research International</i> , <b>2013</b> , 2013, 935046	3	22
286	A semisynthetic bilaminar skin substitute used to treat pediatric full-body toxic epidermal necrolysis: wraparound technique in a 17-month-old girl. <i>Archives of Dermatology</i> , <b>2004</b> , 140, 160-2		22
285	Is there a Rationale for Autologous Breast Reconstruction in Older Patients? A Retrospective Single Center Analysis of Quality of life, Complications and Comorbidities after DIEP or ms-TRAM Flap Using the BREAST-Q. <i>Breast Journal</i> , <b>2015</b> , 21, 588-95	1.2	21
284	Role of guanylate binding protein-1 in vascular defects associated with chronic inflammatory diseases. <i>Journal of Cellular and Molecular Medicine</i> , <b>2011</b> , 15, 1582-92	5.6	21
283	Expression of HIF-1 alpha in irradiated tissue is altered by topical negative-pressure therapy. <i>Strahlentherapie Und Onkologie</i> , <b>2007</b> , 183, 144-9	4.3	21
282	New aspects on efficient anticoagulation and antiplatelet strategies in sheep. <i>BMC Veterinary Research</i> , <b>2013</b> , 9, 192	2.7	20
281	Immediate changes of angiosome perfusion during tibial angioplasty. <i>Journal of Vascular Surgery</i> , <b>2017</b> , 65, 422-430	3.5	20
280	Flow increase is decisive to initiate angiogenesis in veins exposed to altered hemodynamics. <i>PLoS ONE</i> , <b>2015</b> , 10, e0117407	3.7	20
279	Axially vascularized bone substitutes: a systematic review of literature and presentation of a novel model. <i>Archives of Orthopaedic and Trauma Surgery</i> , <b>2012</b> , 132, 1353-62	3.6	20
278	Flow-Induced Axial Vascularization: The Arteriovenous Loop in Angiogenesis and Tissue Engineering. <i>Plastic and Reconstructive Surgery</i> , <b>2016</b> , 138, 825-835	2.7	20



277	The potential role of telocytes in Tissue Engineering and Regenerative Medicine. <i>Seminars in Cell and Developmental Biology</i> , <b>2016</b> , 55, 70-8	7.5	19
276	Extracorporeal perfusion of free muscle flaps in a porcine model using a miniaturized perfusion system. <i>Archives of Orthopaedic and Trauma Surgery</i> , <b>2011</b> , 131, 849-55	3.6	19
275	Regression and persistence: remodelling in a tissue engineered axial vascular assembly. <i>Journal of Cellular and Molecular Medicine</i> , <b>2009</b> , 13, 4166-75	5.6	19
274	The nutrient omentum free flap: revascularization with vein bypasses and greater omentum flap in severe arterial ulcers. <i>Journal of Vascular Surgery</i> , <b>2007</b> , 45, 837-40	3.5	19
273	Decellularized dermis in combination with cultivated keratinocytes in a short- and long-term animal experimental investigation. <i>Journal of the European Academy of Dermatology and Venereology</i> , <b>2008</b> , 22, 41-9	4.6	19
272	Ancient traditional Chinese medicine in burn treatment: a historical review. <i>Burns</i> , <b>2003</b> , 29, 473-8	2.3	19
271	ADSCs and adipocytes are the main producers in the autotaxin-lysophosphatidic acid axis of breast cancer and healthy mammary tissue in vitro. <i>BMC Cancer</i> , <b>2018</b> , 18, 1273	4.8	19
270	Enhancing Safety in Reconstructive Microsurgery Using Intraoperative Indocyanine Green Angiography. <i>Frontiers in Surgery</i> , <b>2019</b> , 6, 39	2.3	18
269	Coverage of exposed bones and joints in critically ill patients: lower extremity salvage with topical negative pressure therapy. <i>Journal of Cutaneous Medicine and Surgery</i> , <b>2008</b> , 12, 223-9	1.6	18
268	Combined free flaps with arteriovenous loops for reconstruction of extensive thoracic defects after sternal osteomyelitis. <i>Microsurgery</i> , <b>2016</b> , 36, 121-7	2.1	18
267	Microcirculation Evaluated by Intraoperative Fluorescence Angiography after Tibial Bypass Surgery. <i>Annals of Vascular Surgery</i> , <b>2017</b> , 40, 190-197	1.7	17
266	Encapsulation of Mesenchymal Stem Cells Improves Vascularization of Alginate-Based Scaffolds. <i>Tissue Engineering - Part A</i> , <b>2018</b> , 24, 1320-1331	3.9	17
265	Pedicle Transplantation of Axially Vascularized Bone Constructs in a Critical Size Femoral Defect. <i>Tissue Engineering - Part A</i> , <b>2018</b> , 24, 479-492	3.9	17
264	Assessing viability of extracorporeal preserved muscle transplants using external field stimulation: a novel tool to improve methods prolonging bridge-to-transplantation time. <i>Scientific Reports</i> , <b>2015</b> , 5, 11956	4.9	17
263	Plastic and Reconstructive Surgery in the Treatment of Oncological Perineal and Genital Defects. <i>Frontiers in Oncology</i> , <b>2015</b> , 5, 212	5.3	17
262	Gene expression analysis of ischaemia and reperfusion in human microsurgical free muscle tissue transfer. <i>Journal of Cellular and Molecular Medicine</i> , <b>2011</b> , 15, 983-93	5.6	17
261	Subjective outcome, neurophysiological investigations, postoperative complications and recurrence rate of partial medial epicondylectomy in cubital tunnel syndrome. <i>Archives of Orthopaedic and Trauma Surgery</i> , <b>2011</b> , 131, 1027-33	3.6	17
260	Double pedicled perforator flap to close flank defects: an alternative for closure of a large lumbar defect after basalioma excision—a case report and review of the literature. <i>Annals of Plastic Surgery</i> , <b>2009</b> , 63, 422-4	1.7	17

259	Radial collateral ligament repair of the thumb metacarpophalangeal joint using the abductor pollicis brevis tendon. <i>Plastic and Reconstructive Surgery</i> , <b>2006</b> , 117, 491-6	2.7	17
258	Scars and perforator-based flaps in the abdominal region: a contraindication?. <i>Canadian Journal of Surgery</i> , <b>2010</b> , 53, 137-42	2	17
257	Results of combined vascular reconstruction by means of AV loops and free flap transfer in patients with soft tissue defects. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , <b>2016</b> , 69, 545-553	1.7	16
256	Laparoscopic abdominoperineal resection with open posterior cylindrical excision and primary transpelvic VRAM flap. <i>Annals of Surgical Oncology</i> , <b>2012</b> , 19, 502-3	3.1	16
255	Three-dimensional vascularization of electrospun PCL/collagen-blend nanofibrous scaffolds in vivo. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2012</b> , 100, 2302-11	5.4	16
254	Decision-making in DIEP and ms-TRAM flaps: the potential role for a combined laser Doppler spectrophotometry system. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , <b>2013</b> , 66, 73-9	1.7	16
253	High flow conditions increase connexin43 expression in a rat arteriovenous and angiogenic loop model. <i>PLoS ONE</i> , <b>2013</b> , 8, e78782	3.7	16
252	Smooth and textured silicone surfaces of modified gel mammary prostheses cause a different impact on fibroproliferative properties of dermal fibroblasts. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , <b>2011</b> , 64, e60-6	1.7	16
251	Expression of HIF-1 $\alpha$ in ischemia and reperfusion in human microsurgical free muscle tissue transfer. <i>Plastic and Reconstructive Surgery</i> , <b>2011</b> , 127, 2293-2300	2.7	16
250	Composition of fibrin glues significantly influences axial vascularization and degradation in isolation chamber model. <i>Blood Coagulation and Fibrinolysis</i> , <b>2012</b> , 23, 419-27	1	16
249	Apoptotic pathways in degenerative disk lesions in the wrist. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , <b>2009</b> , 25, 1380-6	5.4	16
248	Impact factors and publication times for plastic surgery journals. <i>Plastic and Reconstructive Surgery</i> , <b>2007</b> , 120, 2076-2081	2.7	16
247	Increased metabolic activity of fibroblasts derived from cords compared with nodule fibroblasts sampling from patients with Dupuytren's contracture. <i>Plastic and Reconstructive Surgery</i> , <b>2006</b> , 117, 1248-52	2.7	16
246	Buried chip skin grafting in neuropathic diabetic foot ulcers following vacuum-assisted wound bed preparation: enhancing a classic surgical tool with novel technologies. <i>International Journal of Lower Extremity Wounds</i> , <b>2004</b> , 3, 168-71	1.6	16
245	New and rapid fully automated method for determination of tazobactam and piperacillin in fatty tissue and serum by column-switching liquid chromatography. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2002</b> , 775, 127-32	3.2	16
244	Vacuum application increases therapeutic safety and allows intensified local radiation treatment of malignant soft-tissue tumors. <i>Strahlentherapie Und Onkologie</i> , <b>2005</b> , 181, 124-30	4.3	16
243	The contralateral bilobed trapezius myocutaneous flap for closure of large defects of the dorsal neck permitting primary donor site closure. <i>Head and Neck</i> , <b>2000</b> , 22, 513-9	4.2	16
242	Hemangiosarcoma of the left hand in a patient with the rare combination of Maffucci's and Stewart Treves syndrome. <i>Vasa - European Journal of Vascular Medicine</i> , <b>2000</b> , 29, 71-3	1.9	16

241	Reconstitution of basement membrane after 'sandwich-technique' skin grafting for severe burns demonstrated by immunohistochemistry. <i>Journal of Burn Care and Research</i> , <b>1998</b> , 19, 189-202		16
240	Human adipose-derived stem cells support lymphangiogenesis in vitro by secretion of lymphangiogenic factors. <i>Experimental Cell Research</i> , <b>2020</b> , 388, 111816	4.2	16
239	Intrinsic Vascularization of Recombinant eADF4(C16) Spider Silk Matrices in the Arteriovenous Loop Model. <i>Tissue Engineering - Part A</i> , <b>2019</b> , 25, 1504-1513	3.9	15
238	Mesenchymal stem cells promote lymphangiogenic properties of lymphatic endothelial cells. <i>Journal of Cellular and Molecular Medicine</i> , <b>2018</b> , 22, 3740	5.6	15
237	The Angiosome Concept Evaluated on the Basis of Microperfusion in Critical Limb Ischemia Patients-an Oxygen to See Guided Study. <i>Microcirculation</i> , <b>2015</b> , 22, 737-43	2.9	15
236	In vitro expression of cytokeratin 18, 19 and tube formation of adipose-derived stem cells induced by the breast epithelial cell line HBL-100. <i>Journal of Cellular and Molecular Medicine</i> , <b>2015</b> , 19, 2827-31	5.6	15
235	Perineal and vaginal wall reconstruction using a combined inferior gluteal and pudendal artery perforator flap: a case report. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , <b>2012</b> , 65, 1734-7	1.7	15
234	A new method for treating isolated fractures of the os trapezium. <i>Archives of Orthopaedic and Trauma Surgery</i> , <b>1998</b> , 117, 180-2	3.6	15
233	Preexpansion of the Tensor Fasciae Latae for Free-Flap Transfer. <i>Plastic and Reconstructive Surgery</i> , <b>1998</b> , 102, 1188-1192	2.7	15
232	Detecting of breast cancer metastasis by means of regional lymph node sampling during autologous breast reconstruction--a screening of 519 consecutive patients. <i>Medical Science Monitor</i> , <b>2012</b> , 18, CR605-10	3.2	15
231	Severe mutilating injuries with complex macroamputations of the upper extremity - is it worth the effort?. <i>World Journal of Emergency Surgery</i> , <b>2015</b> , 10, 30	9.2	14
230	Aesthetic and functional correction of female, asymmetric funnel chest - a combined approach. <i>Breast</i> , <b>2009</b> , 18, 60-5	3.6	14
229	Incidence and distribution of blood vessels in punch biopsies of Palmer 1A disc lesions in the wrist. <i>Archives of Orthopaedic and Trauma Surgery</i> , <b>2009</b> , 129, 631-4	3.6	14
228	Amnion cells engineering: a new perspective in fetal membrane healing after intrauterine surgery?. <i>Fetal Diagnosis and Therapy</i> , <b>2006</b> , 21, 494-500	2.4	14
227	Encapsulation of Rat Bone Marrow Derived Mesenchymal Stem Cells in Alginate Dialdehyde/Gelatin Microbeads with and without Nanoscaled Bioactive Glass for In Vivo Bone Tissue Engineering. <i>Materials</i> , <b>2018</b> , 11,	3.5	14
226	Multiphoton microscopy analysis of extracellular collagen I network formation by mesenchymal stem cells. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , <b>2017</b> , 11, 2104-2115	4.4	13
225	Changes of perfusion patterns of surgical wounds under application of closed incision negative pressure wound therapy in postbariatric patients1. <i>Clinical Hemorheology and Microcirculation</i> , <b>2019</b> , 72, 139-150	2.5	13
224	Penile reconstruction with dermal template and vacuum therapy in severe skin and soft tissue defects caused by Fournier's gangrene and hidradenitis suppurativa. <i>International Wound Journal</i> , <b>2016</b> , 13, 77-81	2.6	13

223	Pilot Assessment of the Angiosome Concept by Intra-operative Fluorescence Angiography After Tibial Bypass Surgery. <i>European Journal of Vascular and Endovascular Surgery</i> , <b>2018</b> , 55, 215-221	2.3	13
222	Cocultivation of Mesenchymal Stem Cells and Endothelial Progenitor Cells Reveals Antiapoptotic and Proangiogenic Effects. <i>Cells Tissues Organs</i> , <b>2017</b> , 204, 218-227	2.1	13
221	Carpal tunnel syndrome in young adults--an ultrasonographic and neurophysiological study. <i>Minimally Invasive Neurosurgery</i> , <b>2007</b> , 50, 328-34		13
220	Investigation of the batch-to-batch inconsistencies of Collagen in PCL-Collagen nanofibers. <i>Materials Science and Engineering C</i> , <b>2019</b> , 95, 217-225	8.3	13
219	Reconstruction of composite defects of the scalp and neurocranium-a treatment algorithm from local flaps to combined AV loop free flap reconstruction. <i>World Journal of Surgical Oncology</i> , <b>2018</b> , 16, 217	3.4	13
218	Automatic quantification of angiogenesis in 2D sections: a precise and timesaving approach. <i>Journal of Microscopy</i> , <b>2015</b> , 259, 185-96	1.9	12
217	Free vascularized metacarpal bone graft combined with extended dorsal metacarpal artery flap for phalangeal bone and soft tissue loss: case report. <i>Archives of Orthopaedic and Trauma Surgery</i> , <b>2012</b> , 132, 137-40	3.6	12
216	Ischaemia-related cell damage in extracorporeal preserved tissue - new findings with a novel perfusion model. <i>Journal of Cellular and Molecular Medicine</i> , <b>2014</b> , 18, 885-94	5.6	12
215	On the failure of silicone breast implants: new insights by mapping the mechanical properties of implant shells. <i>Polymer International</i> , <b>2014</b> , 63, 172-178	3.3	12
214	Salvage of a free radial forearm flap by creation of an arteriovenous fistula at the distal arterial pedicle. <i>Microsurgery</i> , <b>2013</b> , 33, 391-5	2.1	12
213	Breast reconstruction after breast-cancer surgery. <i>New England Journal of Medicine</i> , <b>2009</b> , 360, 418-9; author reply 420-1	59.2	12
212	Epidermal growth factor (EGF) transfection of human bone marrow stromal cells in bone tissue engineering. <i>Journal of Cellular and Molecular Medicine</i> , <b>2009</b> , 13, 2593-2601	5.6	12
211	Cultured human keratinocytes as a single cell suspension in fibrin glue combined with preserved dermal grafts enhance skin reconstitution in athymic mice full-thickness wounds. <i>European Journal of Plastic Surgery</i> , <b>1999</b> , 22, 237-243	0.6	12
210	Comparison of Hydrogels for the Development of Well-Defined 3D Cancer Models of Breast Cancer and Melanoma. <i>Cancers</i> , <b>2020</b> , 12,	6.6	12
209	Myogenic differentiation of primary myoblasts and mesenchymal stromal cells under serum-free conditions on PCL-collagen I-nanoscaffolds. <i>BMC Biotechnology</i> , <b>2018</b> , 18, 75	3.5	12
208	The pro-angiogenic role of hypoxia inducible factor stabilizer FG-4592 and its application in an in vivo tissue engineering chamber model. <i>Scientific Reports</i> , <b>2019</b> , 9, 6035	4.9	11
207	Topical negative-pressure wound therapy: emerging devices and techniques. <i>Expert Review of Medical Devices</i> , <b>2020</b> , 17, 139-148	3.5	11
206	The Arteriovenous (AV) Loop in a Small Animal Model to Study Angiogenesis and Vascularized Tissue Engineering. <i>Journal of Visualized Experiments</i> , <b>2016</b> ,	1.6	11

205	Intraoperative flap design using ICG monitoring of a conjoined fabricated anterolateral thigh/tensor fasciae latae perforator flap in a case of extensive soft tissue reconstruction at the lower extremity. <i>Microsurgery</i> , <b>2016</b> , 36, 684-688	2.1	11
204	Vessel transformation in chronic wounds under topical negative pressure therapy: an immunohistochemical analysis. <i>International Wound Journal</i> , <b>2015</b> , 12, 501-9	2.6	11
203	Autologous serum improves bone formation in a primary stable silica-embedded nanohydroxyapatite bone substitute in combination with mesenchymal stem cells and rhBMP-2 in the sheep model. <i>International Journal of Nanomedicine</i> , <b>2014</b> , 9, 5317-39	7.3	11
202	Myocutaneous propeller flap based on the superior gluteal artery (SGA) for closure of large lumbosacral meningocele defects: a case report. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , <b>2012</b> , 65, 521-4	1.7	11
201	Biomechanical and functional analysis of the pins and rubbers tractions system for treatment of proximal interphalangeal joint fracture dislocations. <i>Archives of Orthopaedic and Trauma Surgery</i> , <b>2009</b> , 129, 29-37	3.6	11
200	Immunohistochemical evaluation after ex vivo perfusion of rectus abdominis muscle flaps in a porcine model. <i>Plastic and Reconstructive Surgery</i> , <b>2012</b> , 130, 265e-273e	2.7	11
199	Objective outcome of partial medial epicondylectomy in cubital tunnel syndrome. <i>Archives of Orthopaedic and Trauma Surgery</i> , <b>2010</b> , 130, 1549-56	3.6	11
198	Post-malignancy irradiation ulcers with exposed alloplastic materials can be salvaged with topical negative pressure therapy (TNP). <i>European Journal of Surgical Oncology</i> , <b>2007</b> , 33, 920-5	3.6	11
197	The free vastus lateralis flap for reconstruction in ablative oncologic head and neck surgery. <i>European Journal of Surgical Oncology</i> , <b>2006</b> , 32, 103-7	3.6	11
196	Mondor's disease after breast reduction surgery. <i>Plastic and Reconstructive Surgery</i> , <b>2006</b> , 117, 129e-132e	2.7	11
195	Wound closure by means of free flap and arteriovenous loop: Development of flap autonomy in the long-term follow-up. <i>International Wound Journal</i> , <b>2020</b> , 17, 107-116	2.6	11
194	Indocyanine green angiography and the old question of vascular autonomy - Long term changes of microcirculation in microsurgically transplanted free flaps. <i>Clinical Hemorheology and Microcirculation</i> , <b>2019</b> , 72, 421-430	2.5	10
193	A novel early precursor cell population from rat bone marrow promotes angiogenesis in vitro. <i>BMC Cell Biology</i> , <b>2014</b> , 15, 12		10
192	Management of chronic osteomyelitis of the tibia with life-threatening complications under negative pressure wound therapy and isolation of <i>Helicobacterium</i> <i>kunzii</i> . <i>International Wound Journal</i> , <b>2015</b> , 12, 443-6	2.6	10
191	Guanylate-binding protein 1 expression from embryonal endothelial progenitor cells reduces blood vessel density and cellular apoptosis in an axially vascularised tissue-engineered construct. <i>BMC Biotechnology</i> , <b>2012</b> , 12, 94	3.5	10
190	Online oxygen measurements in ex vivo perfused muscle tissue in a porcine model using dynamic quenching methods. <i>Archives of Orthopaedic and Trauma Surgery</i> , <b>2012</b> , 132, 655-61	3.6	10
189	Retrospective analysis of 242 patients whose carpal tunnels were released using a one-port endoscopic procedure: superior results of early intervention. <i>Journal of Plastic Surgery and Hand Surgery</i> , <b>2010</b> , 44, 311-7	1.5	10
188	Pseudotumors after primary abdominal lipectomy as a new sequela in patients with abdominal apron. <i>Obesity Surgery</i> , <b>2009</b> , 19, 1599-604	3.7	10

187	Aesthetic correction of tuberous breast deformity: lessons learned with a single-stage procedure. <i>Breast Journal</i> , <b>2009</b> , 15, 279-86	1.2	10
186	Ethical issues in cellular and molecular medicine and tissue engineering. <i>Journal of Cellular and Molecular Medicine</i> , <b>2008</b> , 12, 1785-93	5.6	10
185	Two easy and simple modifications when using a distally based sural flap to reduce the risk of venous congestion. <i>Plastic and Reconstructive Surgery</i> , <b>2008</b> , 122, 683-684	2.7	10
184	Dermatofibrosarcoma protuberans: surgical management of a challenging mesenchymal tumor. <i>World Journal of Surgical Oncology</i> , <b>2019</b> , 17, 90	3.4	9
183	Proangiogenic effects of tumor cells on endothelial progenitor cells vary with tumor type in an in vitro and in vivo rat model. <i>FASEB Journal</i> , <b>2018</b> , 32, 5587-5601	0.9	9
182	Emergency arterio-venous loop for free-flap defect reconstruction of the lower thigh with a post-irradiated and heavily infected wound. <i>International Wound Journal</i> , <b>2015</b> , 12, 598-600	2.6	9
181	Changes of anabolic processes at the cellular and molecular level in chronic wounds under topical negative pressure can be revealed by transcriptome analysis. <i>Journal of Cellular and Molecular Medicine</i> , <b>2011</b> , 15, 1564-71	5.6	9
180	Projected pain from noxious heat stimulation of an exposed peripheral nerve--a case report. <i>European Journal of Pain</i> , <b>2009</b> , 13, 35-7	3.7	9
179	Factors influencing successful outcome in the arteriovenous loop model: a retrospective study of 612 loop operations. <i>Journal of Reconstructive Microsurgery</i> , <b>2011</b> , 27, 11-8	2.5	9
178	Cartilage cell proliferation in degenerative TFCC wrist lesions. <i>Archives of Orthopaedic and Trauma Surgery</i> , <b>2010</b> , 130, 953-6	3.6	9
177	Unusual explosive growth of a squamous cell carcinoma of the scalp after electrical burn injury and subsequent coverage by sequential free flap vascular connection--a case report. <i>BMC Cancer</i> , <b>2005</b> , 5, 150	4.8	9
176	Radiologic findings in lymphangioma of the posterior tibial nerve. <i>Journal of Computer Assisted Tomography</i> , <b>1998</b> , 22, 28-30	2.2	9
175	Hydroxyethyl starch solution for extracorporeal tissue perfusion. <i>Clinical Hemorheology and Microcirculation</i> , <b>2016</b> , 64, 91-103	2.5	9
174	Body Contouring Surgery Improves Physical Activity in Patients After Massive Weight Loss-a Retrospective Study. <i>Obesity Surgery</i> , <b>2020</b> , 30, 146-153	3.7	9
173	Vascularization of the Arteriovenous Loop in a Rat Isolation Chamber Model-Quantification of Hypoxia and Evaluation of Its Effects. <i>Tissue Engineering - Part A</i> , <b>2018</b> , 24, 719-728	3.9	8
172	Patient's quality of life after surgery and radiotherapy for extremity soft tissue sarcoma - a retrospective single-center study over ten years. <i>Health and Quality of Life Outcomes</i> , <b>2019</b> , 17, 170	3	8
171	Management of extremely hard-to-heal extremity wounds with severe life-threatening complications. <i>International Wound Journal</i> , <b>2017</b> , 14, 708-715	2.6	8
170	Axially vascularised mandibular constructs: Is it time for a clinical trial?. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , <b>2015</b> , 43, 1028-32	3.6	8

169	Aplasia cutis congenita--plastic reconstruction of three scalp and skull defects with two opposed scalp rotation flaps and split thickness skin grafting. <i>Neuropediatrics</i> , <b>2009</b> , 40, 134-6	1.6	8
168	Evaluation of intra-operative abdominal wall perfusion in post-bariatric abdominal dermolipectomy. <i>Obesity Facts</i> , <b>2012</b> , 5, 651-9	5.1	8
167	Reduction mammoplasty for benign phyllodes tumour in an adolescent female--a 13-year follow up. <i>Breast</i> , <b>2006</b> , 15, 550-3	3.6	8
166	Laryngotracheal reconstruction using prefabricated and preconditioned composite radial forearm free flaps. A report of two cases. <i>Auris Nasus Larynx</i> , <b>2007</b> , 34, 253-8	2.2	8
165	Membrane cell grafts , fresh and frozen, to cover full thickness wounds in athymic nude mice. <i>European Journal of Plastic Surgery</i> , <b>1999</b> , 22, 213-219	0.6	8
164	Evaluation of in vivo angiogenetic effects of copper doped bioactive glass scaffolds in the AV loop model. <i>Biomedical Glasses</i> , <b>2016</b> , 2,	2.7	8
163	Operating on the Edge? Body Contouring Procedures in Patients with Body Mass Index Greater 35. <i>Obesity Surgery</i> , <b>2019</b> , 29, 1563-1570	3.7	8
162	Successful free flap salvage upon venous congestion in bilateral breast reconstruction using a venous cross-over bypass: A case report. <i>Microsurgery</i> , <b>2020</b> , 40, 74-78	2.1	8
161	Adipose-derived mesenchymal stem cells formed acinar-like structure when stimulated with breast epithelial cells in three-dimensional culture. <i>PLoS ONE</i> , <b>2018</b> , 13, e0204077	3.7	8
160	Bone Tissue Engineering Under Xenogeneic-Free Conditions in a Large Animal Model as a Basis for Early Clinical Applicability. <i>Tissue Engineering - Part A</i> , <b>2017</b> , 23, 208-222	3.9	7
159	Free Latissimus Dorsi Myocutaneous Flap in a 6-Month-Old Child for Reconstruction of a Temporal Fossa Defect After Teratoma Resection. <i>Annals of Plastic Surgery</i> , <b>2019</b> , 82, 62-63	1.7	7
158	Bone tissue engineering using adipose-derived stem cells and endothelial cells: Effects of the cell ratio. <i>Journal of Cellular and Molecular Medicine</i> , <b>2020</b> , 24, 7034-7043	5.6	7
157	Stromal-epithelial cell interactions and alteration of branching morphogenesis in macromastic mammary glands. <i>Journal of Cellular and Molecular Medicine</i> , <b>2014</b> , 18, 1257-66	5.6	7
156	Solving acne inversa (hidradenitis suppurativa) in Crohn disease with buried chip skin grafts. <i>Journal of Cutaneous Medicine and Surgery</i> , <b>2009</b> , 13, 164-8	1.6	7
155	Retroauricular skin flap and primary Z-plasty for donor site closure in partial ear reconstruction. <i>Journal of Laryngology and Otology</i> , <b>2003</b> , 117, 487-9	1.8	7
154	Autologous Breast Reconstruction with Transverse Rectus Abdominis Musculocutaneous (TRAM) or Deep Inferior Epigastric Perforator (DIEP) Flaps: An Analysis of the 100 Most Cited Articles. <i>Medical Science Monitor</i> , <b>2019</b> , 25, 3520-3536	3.2	7
153	Immediate versus delayed lip reconstruction after dog bite lesions. <i>Plastic and Reconstructive Surgery</i> , <b>1997</b> , 100, 1073	2.7	7
152	Distal pedal bypasses combined with free microsurgical flaps in chronic limb ischaemia for problematic wounds. <i>International Wound Journal</i> , <b>2016</b> , 13, 425-6	2.6	7

151	Human Umbilical Vein Endothelial Cell Support Bone Formation of Adipose-Derived Stem Cell-Loaded and 3D-Printed Osteogenic Matrices in the Arteriovenous Loop Model. <i>Tissue Engineering - Part A</i> , <b>2021</b> , 27, 413-423	3.9	7
150	Development of a surgical algorithm and optimized management of complications - based on a review of 706 abdominal free flaps for breast reconstruction. <i>Medical Science Monitor</i> , <b>2010</b> , 16, CR518-22 <sup>2</sup>	3.2	7
149	Limb salvage procedure in immunocompromised patients with therapy-resistant leg ulcers-The value of ultra-radical debridement and instillation negative-pressure wound therapy. <i>International Wound Journal</i> , <b>2020</b> , 17, 1496-1507	2.6	6
148	Vascularization of the dorsal base of the second metacarpal bone: an anatomical study using C-arm cone beam computed tomography. <i>Plastic and Reconstructive Surgery</i> , <b>2014</b> , 134, 72e-80e	2.7	6
147	Transverse cervical artery perforator propeller flap for reconstruction of supraclavicular defects. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , <b>2011</b> , 64, 952-4	1.7	6
146	An unusual case of gonococcal arthritis of the finger. <i>Archives of Orthopaedic and Trauma Surgery</i> , <b>2009</b> , 129, 1335-8	3.6	6
145	The impact of VEGF and bFGF on vascular stereomorphology in the context of angiogenic neo-arborisation after vascular induction. <i>Journal of Electron Microscopy</i> , <b>2011</b> , 60, 267-74		6
144	Reconstruction of a child's forefoot defect using a distally based pedicled medial plantar flap. <i>Archives of Orthopaedic and Trauma Surgery</i> , <b>2010</b> , 130, 155-8	3.6	6
143	Secondary "Hybrid Reconstruction" Concept with Silicone Implants After Autologous Breast Reconstruction - Is It Safe and Reasonable?. <i>Medical Science Monitor</i> , <b>2020</b> , 26, e921329	3.2	6
142	Extracorporeal Perfusion for Salvage of Major Amputates. <i>Annals of Surgery</i> , <b>2019</b> , 270, e5-e6	7.8	6
141	Actually Seeing What Is Going on - Intravital Microscopy in Tissue Engineering. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2021</b> , 9, 627462	5.8	6
140	Changes in sternal perfusion following internal mammary artery bypass surgery. <i>Clinical Hemorheology and Microcirculation</i> , <b>2017</b> , 67, 35-43	2.5	5
139	Interdisciplinary Surgical Approaches in Vaginal and Perineal Reconstruction of Advanced Rectal and Anal Female Cancer Patients. <i>Frontiers in Oncology</i> , <b>2020</b> , 10, 719	5.3	5
138	Size matters-in vitro behaviour of human fibroblasts on textured silicone surfaces with different pore sizes. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2020</b> , 31, 23	4.5	5
137	Extracorporeal perfusion - reduced to a one-way infusion. <i>Clinical Hemorheology and Microcirculation</i> , <b>2021</b> , 79, 257-267	2.5	5
136	Plasticity of patient-matched normal mammary epithelial cells is dependent on autologous adipose-derived stem cells. <i>Scientific Reports</i> , <b>2019</b> , 9, 10722	4.9	5
135	A histopathologic and immunohistochemical study on liquification of human adipose tissue ex vivo. <i>Aesthetic Plastic Surgery</i> , <b>2014</b> , 38, 976-84	2	5
134	Nanotechnologies in tissue engineering. <i>Nanotechnology Reviews</i> , <b>2013</b> , 2, 411-425	6.3	5



133	The transpelvic vertical rectus abdominis flap: one interdisciplinary approach to reduce postoperative complications after surgery for rectal cancer. <i>Annals of Surgery</i> , <b>2013</b> , 257, e16	7.8	5
132	Expression of leptin, leptin receptor, and connective tissue growth factor in degenerative disk lesions in the wrist. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , <b>2011</b> , 27, 755-60	5.4	5
131	Tissue augmentation with fibrin sealant and cultured fibroblasts: a preliminary study. <i>Aesthetic Plastic Surgery</i> , <b>2011</b> , 35, 1009-15	2	5
130	Chemical leeches for successful two-finger re-plantation in a 71-year-old patient. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , <b>2010</b> , 63, e107-8	1.7	5
129	Phlegmonous-infection in first degree Dupuytren's disease. <i>Archives of Orthopaedic and Trauma Surgery</i> , <b>2009</b> , 129, 445-8	3.6	5
128	Interesting image. Tc-99m sestamibi SPECT/CT as a new tool for monitoring perfusion and viability of buried perforator based free flaps in breast reconstruction after breast cancer. <i>Clinical Nuclear Medicine</i> , <b>2010</b> , 35, 36-7	1.7	5
127	Bilateral atypical muscles causing acute bilateral carpal tunnel syndrome in recreational climber. <i>Archives of Orthopaedic and Trauma Surgery</i> , <b>2010</b> , 130, 37-40	3.6	5
126	Giant rodent ulcer of the elbow requiring defect coverage by preconditioned latissimus dorsi pedicled myocutaneous flap following excision. <i>Journal of the European Academy of Dermatology and Venereology</i> , <b>2007</b> , 21, 252-4	4.6	5
125	Aesthetic correction of tuberous breast deformity in a male-to-female transsexual patient. <i>Plastic and Reconstructive Surgery</i> , <b>2007</b> , 119, 1138-40	2.7	5
124	Minimally-invasive endoscopic correction of funnel chest deformity via an umbilical incision. <i>Aesthetic Plastic Surgery</i> , <b>2002</b> , 26, 295-8	2	5
123	The composite vastus medialis-patellar complex osseomuscular flap as a salvage procedure after complex trauma of the knee--an anatomical study and clinical application. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , <b>2005</b> , 58, 646-51		5
122	Preexpansion of the tensor fasciae latae for free-flap transfer. <i>Plastic and Reconstructive Surgery</i> , <b>1998</b> , 102, 1188-92	2.7	5
121	Intra- and Postoperative Blood Flow Monitoring in a Sheep Model of Uterus Transplantation. <i>In Vivo</i> , <b>2019</b> , 33, 325-336	2.3	5
120	Discussion: Extracellular Vesicles from Human Adipose-Derived Stem Cells for the Improvement of Angiogenesis and Fat-Grafting Application. <i>Plastic and Reconstructive Surgery</i> , <b>2019</b> , 144, 881-882	2.7	5
119	Treatment of standardised wounds with pure epidermal micrografts generated with an automated device. <i>International Wound Journal</i> , <b>2017</b> , 14, 856-863	2.6	4
118	Interdisciplinary Treatment of Breast Cancer After Mastectomy With Autologous Breast Reconstruction Using Abdominal Free Flaps in a University Teaching Hospital-A Standardized and Safe Procedure. <i>Frontiers in Oncology</i> , <b>2020</b> , 10, 177	5.3	4
117	Compressive and cyclic loading of silicone breast implants and their effect on shape resilience and reliability of the shell material. <i>Polymer International</i> , <b>2018</b> , 67, 380-385	3.3	4
116	Interdisciplinary Treatment for Cutaneous Abdominal Wall Metastasis from Cervical Cancer with Resection and Reconstruction of the Abdominal Wall Using Free Latissimus Dorsi Muscle Flap: A Case Report. <i>Geburtshilfe Und Frauenheilkunde</i> , <b>2014</b> , 74, 574-578	2	4

115	Treatment of a chronic vesicocutaneous fistula and abdominal wall defect after resection of a soft tissue sarcoma using a bipediced latissimus dorsi and serratus anterior free flap. <i>International Journal of Urology</i> , <b>2014</b> , 21, 1178-80	2.3	4
114	Bilateral obstetric brachial plexus paralysis: a case report. <i>Klinische Padiatrie</i> , <b>2009</b> , 221, 57-9	0.9	4
113	Modified device for easy infiltration of tumescent solution in liposuction. <i>Aesthetic Plastic Surgery</i> , <b>2007</b> , 31, 85-7	2	4
112	Post-mastectomy breast reconstruction: pectoralis major myomammary flap versus DIEP and MS-2 TRAM. <i>World Journal of Surgery</i> , <b>2008</b> , 32, 502	3.3	4
111	Keratinocyte Monolayers on Hyaluronic Acid Membranes as "Upside-Down" Grafts Reconstitute Full-Thickness Wounds. <i>Medical Science Monitor</i> , <b>2019</b> , 25, 6702-6710	3.2	4
110	Tumor-type-dependent effects on the angiogenic abilities of endothelial cells in an in vitro rat cell model. <i>Oncology Reports</i> , <b>2019</b> , 42, 350-360	3.5	4
109	Three-dimensional computed tomography reconstruction of the carpal tunnel and carpal bones. <i>Plastic and Reconstructive Surgery</i> , <b>1998</b> , 101, 1060-4	2.7	4
108	Novel imaging methods reveal positive impact of topical negative pressure application on tissue perfusion in an in vivo skin model. <i>International Wound Journal</i> , <b>2021</b> , 18, 932-939	2.6	4
107	Enhanced vascularization and tissue formation in hydrogels made of engineered RGD-tagged spider silk proteins in the arteriovenous loop model. <i>Biofabrication</i> , <b>2021</b> , 13,	10.5	4
106	Tissue Engineering of Lymphatic Vasculature in the Arteriovenous Loop Model of the Rat. <i>Tissue Engineering - Part A</i> , <b>2021</b> , 27, 129-141	3.9	4
105	Sternal resection and reconstruction for secondary malignancies. <i>Journal of Thoracic Disease</i> , <b>2018</b> , 10, 4230-4235	2.6	4
104	Personalized medicine for reconstruction of critical-size bone defects - a translational approach with customizable vascularized bone tissue. <i>Npj Regenerative Medicine</i> , <b>2021</b> , 6, 49	15.8	4
103	The Potential Role of Telocytes for Tissue Engineering and Regenerative Medicine. <i>Advances in Experimental Medicine and Biology</i> , <b>2016</b> , 913, 139-147	3.6	3
102	Myocutaneous transpelvic flaps do improve quality of life and help to reduce wound healing complications in patients receiving abdominoperineal resection in the real world. <i>International Journal of Colorectal Disease</i> , <b>2016</b> , 31, 1525-7	3	3
101	Bilateral pre-expanded free TFL flaps for reconstruction of severe thoracic scar contractures in an 8-year-old girl. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , <b>2013</b> , 66, 1766-9	1.7	3
100	Four-flap compound repair of thoracic hernia after sternum osteomyelitis and omentum flap. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2012</b> , 144, e117-9	1.5	3
99	Severe soft tissue infection caused by a non-beta-hemolytic <i>Streptococcus pyogenes</i> strain harboring a premature stop mutation in the sagC gene. <i>Journal of Clinical Microbiology</i> , <b>2013</b> , 51, 1962-5	9.7	3
98	Expression of TRAIL and death receptor DR4 in Palmer type 2 TFCC lesions. <i>Archives of Orthopaedic and Trauma Surgery</i> , <b>2010</b> , 130, 1215-20	3.6	3

97	Simultaneous heart valve replacement and reconstruction of the radiation-damaged chest wall with a delayed vertical rectus abdominis myocutaneous flap. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2006</b> , 132, 980-1	1.5	3
96	Banta rhei Vakuumentherapie im Wandel - Ein Vorwort zum Supplement Drei-Länder-Kongress N�nberg 2006. <i>Zentralblatt Fur Chirurgie</i> , <b>2006</b> , 131, 1-2	2	3
95	Tissue Engineering of Cultured Skin Substitutes <b>2009</b> , 329-343		3
94	Engineering of Vascularized Transplantable Bone Tissues: Induction of Axial Vascularization in an Osteoconductive Matrix Using an Arteriovenous Loop. <i>Tissue Engineering</i> , <b>2006</b> , 060802052515051		3
93	Can systemically administered antibiotics be detected in wound tissues and surfaces under negative pressure wound therapy?. <i>International Wound Journal</i> , <b>2019</b> , 16, 503-510	2.6	3
92	Overall Complication Rates of DIEP Flap Breast Reconstructions in Germany-A Multi-Center Analysis Based on the DGPR Prospective National Online Registry for Microsurgical Breast Reconstructions. <i>Journal of Clinical Medicine</i> , <b>2021</b> , 10,	5.1	3
91	Three-dimensional mapping of the arteriovenous loop model using two-dimensional histological methods. <i>Microscopy Research and Technique</i> , <b>2016</b> , 79, 899-907	2.8	2
90	Irrigation of chronic wounds with tap water as a prerequisite for improved healing. <i>International Wound Journal</i> , <b>2016</b> , 13, 424	2.6	2
89	Influence of Different Irradiation Protocols on Vascularization and Bone Formation Parameters in Rat Femora. <i>Tissue Engineering - Part C: Methods</i> , <b>2017</b> , 23, 583-591	2.9	2
88	Flow Induced Microvascular Network Formation of Therapeutic Relevant Arteriovenous (AV) Loop-Based Constructs in Response to Ionizing Radiation. <i>Medical Science Monitor</i> , <b>2017</b> , 23, 834-842	3.2	2
87	Comparison of the Ramirez technique for the closure of large open myelomeningocele defects with alternative methods. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , <b>2015</b> , 68, 1675-82	1.7	2
86	Comments on: "In vivo bone regeneration using tubular perfusion system bioreactor cultured nanofibrous scaffolds" vascularization--one challenge of tissue engineering. <i>Tissue Engineering - Part A</i> , <b>2014</b> , 20, 1778-9	3.9	2
85	Nerve fiber staining investigations in traumatic and degenerative disc lesions of the wrist. <i>Journal of Hand Surgery</i> , <b>2011</b> , 36, 843-6	2.6	2
84	Molecular events of cellular apoptosis and proliferation in the early tendon healing period. <i>Journal of Hand Surgery</i> , <b>2010</b> , 35, 691-2; author reply 692-3	2.6	2
83	Correction of vitiligo with contralateral areolar skin graft during mammary reduction plasty. <i>Aesthetic Plastic Surgery</i> , <b>1999</b> , 23, 147-50	2	2
82	Role of Fiber Thickness and Surface Treatment of Electrospun Polycaprolactone Matrices on the Growth of Different Breast Cancer-Associated Cells. <i>Advanced Materials Interfaces</i> , <b>2018</b> , 2101808	4.6	2
81	History of Regenerative Medicine <b>2011</b> , 1-17		2
80	Is short term intraoperative application of disinfectants harmful to breast implants in breast reconstruction? An experimental study and literature survey. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , <b>2019</b> , 90, 264-268	4.1	2

79	Donor Site Morbidity of Patients Receiving Vertical Rectus Abdominis Myocutaneous Flap for Perineal, Vaginal or Inguinal Reconstruction. <i>World Journal of Surgery</i> , <b>2021</b> , 45, 132-140	3.3	2
78	Improving the Safety of DIEP Flap Transplantation: Detailed Perforator Anatomy Study Using Preoperative CTA. <i>Journal of Personalized Medicine</i> , <b>2022</b> , 12, 701	3.6	2
77	Resistance of silicone breast explants under cyclic compressive load as a function of implantation time and explant mass. <i>Polymer Testing</i> , <b>2020</b> , 84, 106377	4.5	1
76	Staged reconstruction of challenging abdominal full thickness wounds caused by necrotizing fasciitis and complicated by occult rectal cancer--a rare combination. <i>International Journal of Colorectal Disease</i> , <b>2016</b> , 31, 769-70	3	1
75	The primary excision of benign dermal cylindroma on the scalp in the correct layer is crucial to avoid recurrence with cranial bone erosion. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , <b>2014</b> , 67, 1595-6	1.7	1
74	The quality of aesthetic surgery training in plastic surgery residency. <i>Annals of Plastic Surgery</i> , <b>2014</b> , 73, 114-5	1.7	1
73	Comment on "Microsurgical Techniques Used to Construct the Vascularized and Neurotized Tissue Engineered Bone". <i>BioMed Research International</i> , <b>2015</b> , 2015, 685412	3	1
72	Kn�rberne und ligament�re Verletzungen des Handgelenks. <i>Trauma Und Berufskrankheit</i> , <b>2012</b> , 14, 352-357		1
71	Clinical impact of surgical glues: interdisciplinary indications for its use. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2010</b> , 37, 985; author reply 985-6	3	1
70	Physiology and Wound Healing <b>2010</b> , 3-10		1
69	Multi-layer reconstruction of cloacal bladder exstrophy with a pedicled anterior lateral thigh perforator flap, vastus lateralis muscle and fascia lata. <i>European Journal of Pediatric Surgery</i> , <b>2011</b> , 21, 335-6	1.9	1
68	New Developments and Trends in Tissue Engineering: An Update. <i>Journal of Tissue Science &amp; Engineering</i> , <b>2012</b> , 03,		1
67	Skeletal traction treatment of severe finger contracture: a new innovative skeletal distraction device. <i>Plastic and Reconstructive Surgery</i> , <b>2008</b> , 122, 99e-100e	2.7	1
66	Klassische Beitr�ge zur Kolon- und Rektumchirurgie. <i>Chirurg</i> , <b>2008</b> , 79, 1082-1086	4.2	1
65	Fournier-Gangr�. <i>Chirurg</i> , <b>2008</b> , 79, 1080-1081	4.2	1
64	A Myocutaneous Latissimus Dorsi Propeller Flap Based on a Single Dorsal Intercostal Perforator. <i>Plastic and Reconstructive Surgery - Global Open</i> , <b>2021</b> , 9, e3881	1.2	1
63	A New Printable Alginate/Hyaluronic Acid/Gelatin Hydrogel Suitable for Biofabrication of In Vitro and In Vivo Metastatic Melanoma Models. <i>Advanced Functional Materials</i> , 2107993	15.6	1
62	Perforator-Based Flaps for Defect Reconstruction of the Posterior Trunk. <i>Annals of Plastic Surgery</i> , <b>2021</b> , 86, 72-77	1.7	1

61	Rhizarthrose <b>2011</b> , 1401-1411		1
60	Management of Acute and Traumatic Wounds With Negative-Pressure Wound Therapy With Instillation and Dwell Time. <i>Plastic and Reconstructive Surgery</i> , <b>2021</b> , 147, 43S-53S	2.7	1
59	History of Regenerative Medicine <b>2016</b> , 1-19		1
58	Principles of Wound Repair <b>2010</b> , 57-63		1
57	Burn reconstruction: Skin substitutes and tissue engineering <b>2012</b> , 149-167		1
56	Negative Pressure Wound Therapy Combined With Instillation for Sternoclavicular Joint Infection. <i>Annals of Thoracic Surgery</i> , <b>2020</b> , 110, 1722-1725	2.7	1
55	Less is more - retrospective comparison of shoulder strength and range of motion between conventional and muscle-sparing harvesting technique of a latissimus dorsi flap. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , <b>2021</b> , 74, 2527-2536	1.7	1
54	Polytetrafluoroethylene (PTFE) suture vs fiberwire and polypropylene in flexor tendon repair. <i>Archives of Orthopaedic and Trauma Surgery</i> , <b>2021</b> , 141, 1609-1614	3.6	1
53	Watching the Vessels Grow: Establishment of Intravital Microscopy in the Arteriovenous Loop Rat Model. <i>Tissue Engineering - Part C: Methods</i> , <b>2021</b> , 27, 357-365	2.9	1
52	Stereoscopic Analysis of Silicone Breast Implant Shells Damaged by Surgical Instruments. <i>Plastic and Reconstructive Surgery</i> , <b>2016</b> , 137, 753e-754e	2.7	1
51	Endurance of gel-filled silicone breast implants as a function of maximum load in cyclic compression tests. <i>Polymer International</i> , <b>2019</b> , 68, 648-650	3.3	1
50	Bildgebende Diagnostik zur Therapieplanung bei Lip- und Lymphödem. <i>Phlebologie</i> , <b>2020</b> , 49, 72-78	0.3	1
49	Macromastia: an economic burden? A disease cost analysis based on real-world data in Germany. <i>Archives of Gynecology and Obstetrics</i> , <b>2021</b> , 303, 521-531	2.5	1
48	Bone Structure Analysis of the Radius Using Ultrahigh Field (7T) MRI: Relevance of Technical Parameters and Comparison with 3T MRI and Radiography. <i>Diagnostics</i> , <b>2021</b> , 11,	3.8	1
47	Engrailed 1 coordinates cytoskeletal reorganization to induce myofibroblast differentiation. <i>Journal of Experimental Medicine</i> , <b>2021</b> , 218,	16.6	1
46	The Adipose-Derived Stem Cell and Endothelial Cell Coculture System-Role of Growth Factors?. <i>Cells</i> , <b>2021</b> , 10,	7.9	1
45	Response to the letter to the editor 'Novel imaging methods reveal positive impact of topical negative pressure application on tissue perfusion in an in-vivo skin model'. <i>International Wound Journal</i> , <b>2021</b> , 18, 942-943	2.6	1
44	Vital staining of blood vessels and bile ducts with carboxyfluorescein diacetate succinimidyl ester: a novel tool for isolation of cholangiocytes. <i>Histology and Histopathology</i> , <b>2013</b> , 28, 1013-20	1.4	1

43	Commentary on the article of C. Radtke et al.: efficient production of transfected human keratinocytes under serum free and feeder layer free conditions. <i>Handchirurgie Mikrochirurgie Plastische Chirurgie</i> , <b>2009</b> , 41, 341-2	1.2	o
42	Surgical treatment of facial cutis verticis gyrata with direct excision. <i>Journal of Cutaneous Medicine and Surgery</i> , <b>2007</b> , 11, 4-8	1.6	o
41	Bilateral free flap breast reconstruction using venous cross-over bypass to contralateral internal mammary artery for salvaging thrombosed arterial anastomosis in unilateral repeated irradiation of the breast: A case report. <i>Microsurgery</i> , <b>2021</b> ,	2.1	o
40	Haut und Hautersatz, <i>Tissue Engineering</i> <b>2009</b> , 123-143		o
39	Retrospective analysis of free temporoparietal fascial flap for defect reconstruction of the hand and the distal upper extremity. <i>Archives of Orthopaedic and Trauma Surgery</i> , <b>2021</b> , 141, 165-171	3.6	o
38	External Screw-Threaded Traction Device Helps Optimize Finger Joint Mobility in Severe Stage III and IV Dupuytren Disease. <i>Medical Science Monitor</i> , <b>2021</b> , 27, e929814	3.2	o
37	Anatomical Study of all Carpal and Adjoining Bones of the Wrist using 3D CT Reconstruction - Finding the ultimate Biomechanical Theory.. <i>Annals of Anatomy</i> , <b>2022</b> , 151909	2.9	o
36	Vessel grafts for tissue engineering revisited-Vessel segments show location-specific vascularization patterns in ex vivo ring assay. <i>Microcirculation</i> , <b>2021</b> , e12742	2.9	o
35	Commentary on JPRAS-D-18-00185: The use of Laser Speckle Contrast Imaging to predict flap necrosis: An experimental study in a porcine flap model article. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , <b>2019</b> , 72, 778-780	1.7	
34	Commentary on the paper: "Efficacy of a novel strategy for poststernotomy deep sternal infection after thoracic aorta replacement using a prosthetic graft". <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , <b>2018</b> , 71, 710-711	1.7	
33	Comment on 'Basic concepts regarding fractures healing and the current options and future directions in managing bone fractures'. <i>International Wound Journal</i> , <b>2016</b> , 13, 1080-2	2.6	
32	Reply: vascularization of the dorsal base of the second metacarpal bone: implications for a reverse second metacarpal dorsal artery flap. <i>Plastic and Reconstructive Surgery</i> , <b>2015</b> , 135, 232e	2.7	
31	Distal Row Carpectomy-A Possible Salvage Procedure of Severe Carpal Trauma. <i>Plastic and Reconstructive Surgery - Global Open</i> , <b>2015</b> , 3, e480	1.2	
30	Commentary to 'An algorithmic approach to post traumatic nail deformities based on an anatomical classification'. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , <b>2014</b> , 67, 548-9	1.7	
29	Invited commentary. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , <b>2011</b> , 64, 1603	1.7	
28	Lokale Perforatorlappen. <i>Trauma Und Berufskrankheit</i> , <b>2011</b> , 13, 77-82		o
27	Malignant Natural-Killer cell neoplasm presenting as a mucous cyst on the distal interphalangeal joint of the finger. <i>Archives of Orthopaedic and Trauma Surgery</i> , <b>2009</b> , 129, 1613-6	3.6	
26	Die hypertrophe Narbe und das Keloid. <i>Journal Fur Asthetische Chirurgie</i> , <b>2009</b> , 2, 141-147	0.1	

25	Modified Component Separation with One Rectus Abdominis Muscle: Reply to Letter. <i>World Journal of Surgery</i> , <b>2009</b> , 33, 2731-2731	3.3
24	Corrective breast reduction surgery after sternum osteomyelitis and multiple coronary artery bypass surgery. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , <b>2009</b> , 62, e525-7	1.7
23	Die kombinierte Therapie chronischer Ulzera mittels Revaskularisation und Omentumplastik. <i>Gefasschirurgie</i> , <b>2010</b> , 15, 252-255	0.3
22	Comment on: Microsurgical arterovenous loops and biological templates: a novel in vivo chamber for tissue engineering. <i>Microsurgery</i> , <b>2008</b> , 28, 210-1	2.1
21	Shall We Still Use the Delayed Sural Flap?. <i>Plastic and Reconstructive Surgery</i> , <b>2006</b> , 118, 572-573	2.7
20	Can journals help the improvement of meta-analyses quality in plastic surgery?. <i>Annals of Surgery</i> , <b>2006</b> , 243, 289; author reply 289-90	7.8
19	Surgical management of a high-flow arteriovenous malformation of the upper extremity producing severe hemodynamic impairment. <i>European Journal of Plastic Surgery</i> , <b>2004</b> , 27, 204	0.6
18	Hautersatzmaterialien [Ein Überblick über kultivierte autologe Epidermis zur Behandlung von Wunden] <b>2020</b> , 319-324	
17	Rekonstruktion onkologischer Defekte der Perianalregion. <i>Coloproctology</i> , <b>2021</b> , 43, 431-442	0.2
16	The Impossible Anastomosis: Intima-to-adventitia Suture Technique for Microanastomosis of Severely Calcified Arteries. <i>Plastic and Reconstructive Surgery - Global Open</i> , <b>2021</b> , 9, e3866	1.2
15	Burn Reconstruction: Skin Substitutes and Tissue Engineering <b>2020</b> , 165-182	
14	Antwort auf den Leserbrief von T. Bertsch und T. Hirsch zu: Zetzmann K, Ludolph I, Horch R, et al. Bildgebende Diagnostik zur Therapieplanung bei Lip- und Lymphödem. <i>Phlebologie</i> 2020, 2(49): 72-78. <i>Phlebologie</i> , <b>2021</b> , 50, e3-e4	0.3
13	Management of the Patient After Flap Failure <b>2015</b> , 231-239	
12	Handinfektionen <b>2013</b> , 350-356	
11	History of Regenerative Medicine <b>2013</b> , 1-17	
10	Aspergillus fumigatus Spores Are Not Able to Penetrate Silicone Breast Implant Shells. <i>Annals of Plastic Surgery</i> , <b>2020</b> , 85, 306-309	1.7
9	Qualitätssicherung in der Brustrekonstruktion [Etablierung eines prospektiven nationalen Onlineregisters für mikrochirurgische Brustrekonstruktionen. <i>Senologie - Zeitschrift für Mammadiagnostik Und -therapie</i> , <b>2020</b> , 17, 187-196	0
8	Bone Allograft and Locking Plate for Severe Proximal Humeral Fractures: Early and Late Outcomes. <i>Medical Science Monitor</i> , <b>2021</b> , 27, e928982	3.2

7	Abdominal Panniculectomy Can Simplify Kidney Transplantation in Obese Patients. <i>Urologia Internationalis</i> , <b>2021</b> , 105, 1068-1075	1.9
6	Reconstruction of Extensive Volar Finger Defects with Double Cross-Finger Flaps. <i>Plastic and Reconstructive Surgery - Global Open</i> , <b>2016</b> , 4, e693	1.2
5	Plastisch-chirurgische Rekonstruktion bei ausgedehnten Beckenbodendefekten nach onkologischer Chirurgie. <i>Coloproctology</i> , <b>2021</b> , 43, 32-37	0.2
4	Flaps for Reconstruction: Vertical Rectus Abdominis Myocutaneous Flap. <i>Springer Surgery Atlas Series</i> , <b>2021</b> , 423-438	0
3	Is Reduction Mammoplasty Cost-Effective? A Cost-Utility Analysis of Surgical Treatment for Macromastia in Germany.. <i>Breast Care</i> , <b>2021</b> , 16, 614-622	2.4
2	The influence of K-wire transfixation on proximalization of the first metacarpal after resection suspension interposition arthroplasty. <i>Archives of Orthopaedic and Trauma Surgery</i> , <b>2021</b> , 141, 535-541	3.6
1	Influence of the autotaxin-lysophosphatidic acid axis on cellular function and cytokine expression in different breast cancer cell lines.. <i>Scientific Reports</i> , <b>2022</b> , 12, 5565	4.9