Ulrich Kneser

List of Publications by Year
in descending order

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278	6,911	61984	91884
papers	citations	43 h-index	69 g-index

304	304	304	6795
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Regenerating bone with bioactive glass scaffolds: A review of in vivo studies in bone defect models. Acta Biomaterialia, 2017, 62, 1-28.	8.3	432
2	Tissue engineering of cultured skin substitutes. Journal of Cellular and Molecular Medicine, 2005, 9, 592-608.	3.6	260
3	Engineering of Vascularized Transplantable Bone Tissues: Induction of Axial Vascularization in an Osteoconductive Matrix Using an Arteriovenous Loop. Tissue Engineering, 2006, 12, 1721-1731.	4.6	200
4	Porous ceramic bone scaffolds for vascularized bone tissue regeneration. Journal of Materials Science: Materials in Medicine, 2008, 19, 2781-2790.	3.6	146
5	Delayed Reverse Sural Flap for Staged Reconstruction of the Foot and Lower Leg. Plastic and Reconstructive Surgery, 2005, 116, 1910-1917.	1.4	126
6	Translating tissue engineering technology platforms into cancer research. Journal of Cellular and Molecular Medicine, 2009, 13, 1417-1427.	3.6	122
7	Gene transfer strategies in tissue engineering. Journal of Cellular and Molecular Medicine, 2007, 11, 206-223.	3.6	121
8	Successful human longâ€term application of in situ bone tissue engineering. Journal of Cellular and Molecular Medicine, 2014, 18, 1478-1485.	3.6	118
9	Free flaps for reconstruction of soft tissue defects in lower extremity: A metaâ€analysis on microsurgical outcome and safety. Microsurgery, 2016, 36, 511-524.	1.3	113
10	Axial Prevascularization of Porous Matrices Using an Arteriovenous Loop Promotes Survival and Differentiation of Transplanted Autologous Osteoblasts. Tissue Engineering, 2007, 13, 1549-1560.	4.6	107
11	In vitro and in vivo Biocompatibility of Alginate Dialdehyde/Gelatin Hydrogels with and without Nanoscaled Bioactive Glass for Bone Tissue Engineering Applications. Materials, 2014, 7, 1957-1974.	2.9	107
12	Eschar removal by bromelain based enzymatic debridement (Nexobrid Â®) in burns: An European consensus. Burns, 2017, 43, 1640-1653.	1.9	102
13	Hepatic tissue engineering: from transplantation to customized cellâ€based liver directed therapies from the laboratory. Journal of Cellular and Molecular Medicine, 2008, 12, 56-66.	3.6	100
14	Bioactive Copper-Doped Glass Scaffolds Can Stimulate Endothelial Cells in Co-Culture in Combination with Mesenchymal Stem Cells. PLoS ONE, 2014, 9, e113319.	2.5	87
15	Osteoinduction and survival of osteoblasts and boneâ€marrow stromal cells in 3<scp>D</scp> biphasic calcium phosphate scaffolds under static and dynamic culture conditions. Journal of Cellular and Molecular Medicine, 2012, 16, 2350-2361.	3.6	84
16	Eschar removal by bromelain based enzymatic debridement (NexobridÂ®) in burns: European consensus guidelines update. Burns, 2020, 46, 782-796.	1.9	84
17	Fibrin Gel-Immobilized VEGF and bFGF Efficiently Stimulate Angiogenesis in the AV Loop Model. Molecular Medicine, 2007, 13, 480-487.	4.4	83
18	Engineering skeletal muscle tissue â€“ new perspectives in vitro and in vivo. Journal of Cellular and Molecular Medicine, 2010, 14, 2622-2629.	3.6	79

#	Article	IF	Citations
19	Applied tissue engineering in the closure of severe burns and chronic wounds using cultured human autologous keratinocytes in a natural fibrin matrix. Cell and Tissue Banking, 2004, 5, 81-87.	1.1	78
20	Tissue Engineering of Injectable Muscle: Three-Dimensional Myoblast-Fibrin Injection in the Syngeneic Rat Animal Model. Plastic and Reconstructive Surgery, 2006, 118, 1113-1121.	1.4	78
21	Axial vascularization of a large volume calcium phosphate ceramic bone substitute in the sheep AV loop model. Journal of Tissue Engineering and Regenerative Medicine, 2010, 4, 216-223.	2.7	76
22	Myogenic differentiation of mesenchymal stem cells co-cultured with primary myoblasts. Cell Biology International, 2011, 35, 397-406.	3.0	74
23	Injectable Liver: A Novel Approach Using Fibrin Gel as a Matrix for Culture and Intrahepatic Transplantation of Hepatocytes. Tissue Engineering, 2005, 11, 1718-1726.	4.6	70
24	Application of VEGFA and FGF-9 Enhances Angiogenesis, Osteogenesis and Bone Remodeling in Type 2 Diabetic Long Bone Regeneration. PLoS ONE, 2015, 10, e0118823.	2.5	69
25	Acute and long-term costs of 268 peripheral nerve injuries in the upper extremity. PLoS ONE, 2020, 15, e0229530.	2.5	68
26	Intrapulmonary and Cutaneous Siliconomas after Silent Silicone Breast Implant Failure. Breast Journal, 2009, 15, 496-499.	1.0	65
27	Engineering axially vascularized bone in the sheep arteriovenous-loop model. Journal of Tissue Engineering and Regenerative Medicine, 2013, 7, 654-664.	2.7	64
28	Oxidized Alginate-Gelatin Hydrogel: A Favorable Matrix for Growth and Osteogenic Differentiation of Adipose-Derived Stem Cells in 3D. ACS Biomaterials Science and Engineering, 2017, 3, 1730-1737.	5.2	62
29	Tissue engineering and regenerative medicine â€“where do we stand?. Journal of Cellular and Molecular Medicine, 2012, 16, 1157-1165.	3.6	59
30	Influence of Flow Conditions and Matrix Coatings on Growth and Differentiation of Three-Dimensionally Cultured Rat Hepatocytes. Tissue Engineering, 2004, 10, 165-174.	4.6	57
31	The Versatility of the Distally Based Peroneus Brevis Muscle Flap in Reconstructive Surgery of the Foot and Lower Leg. Annals of Plastic Surgery, 2007, 58, 397-404.	0.9	57
32	Dose-Finding Study of Fibrin Gel-Immobilized Vascular Endothelial Growth Factor 165 and Basic Fibroblast Growth Factor in the Arteriovenous Loop Rat Model. Tissue Engineering - Part A, 2009, 15, 2501-2511.	3.1	56
33	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. BMC Biotechnology, 2014, 14, 112.	3.3	53
34	Enhancing the Outcome of Traumatic Sensory Nerve Lesions of the Hand by Additional Use of a Chitosan Nerve Tube in Primary Nerve Repair: A Randomized Controlled Bicentric Trial. Plastic and Reconstructive Surgery, 2018, 142, 415-424.	1.4	53
35	Directly autoâ€transplanted mesenchymal stem cells induce bone formation in a ceramic bone substitute in an ectopic sheep model. Journal of Cellular and Molecular Medicine, 2011, 15, 1364-1378.	3.6	52
36	Combination of Extrinsic and Intrinsic Pathways Significantly Accelerates Axial Vascularization of Bioartificial Tissues. Plastic and Reconstructive Surgery, 2012, 129, 55e-65e.	1.4	49

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37	Enhancing mandibular bone regeneration and perfusion via axial vascularization of scaffolds. Clinical Oral Investigations, 2014, 18, 1671-1678.	3.0	48
38	Combination of BMP2 and MSCs Significantly Increases Bone Formation in the Rat Arterio-Venous Loop Model. Tissue Engineering - Part A, 2015, 21, 96-105.	3.1	46
39	Ageâ€dependent alterations in osteoblast and osteoclast activity in human cancellous bone. Journal of Cellular and Molecular Medicine, 2017, 21, 2773-2781.	3.6	46
40	Accelerated Wound Healing by In vivo Application of Keratinocytes Overexpressing KGF. Molecular Therapy, 2004, 10, 86-96.	8.2	45
41	Foreign body reaction after usage of tissue adhesives for skin closure: a case report and review of the literature. Archives of Orthopaedic and Trauma Surgery, 2009, 129, 167-169.	2.4	45
42	The 1,2-Intercompartmental Supraretinacular Artery Vascularized Bone Graft for Scaphoid Nonunion: Management and Clinical Outcome. Journal of Hand Surgery, 2014, 39, 423-429.	1.6	45
43	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. Journal of Plastic, Reconstructive and Aesthetic Surgery, 2011, 64, 656-662.	1.0	44
44	Zinc-containing bioactive glasses for bone regeneration, dental and orthopedic applications. Biomedical Glasses, 2015, 1, .	2.4	43
45	Indocyanine Green Fluorescence for Free-Flap Perfusion Imaging Revisited. Surgical Innovation, 2016, 23, 249-260.	0.9	42
46	Intrinsic Axial Vascularization of an Osteoconductive Bone Matrix by Means of an Arteriovenous Vascular Bundle. Plastic and Reconstructive Surgery, 2007, 120, 855-868.	1.4	41
47	Endothelial progenitor cells are integrated in newly formed capillaries and alter adjacent fibrovascular tissue after subcutaneous implantation in a fibrin matrix. Journal of Cellular and Molecular Medicine, 2011, 15, 2452-2461.	3.6	41
48	Long-Term Outcome after Successful Lower Extremity Free Flap Salvage. Journal of Reconstructive Microsurgery, 2019, 35, 263-269.	1.8	41
49	In vitro evaluation of 45S5 BioglassÂ®â€derived glassâ€ceramic scaffolds coated with carbon nanotubes. Journal of Biomedical Materials Research - Part A, 2011, 99A, 435-444.	4.0	40
50	Adipose- and bone marrow-derived mesenchymal stem cells display different osteogenic differentiation patterns in 3D bioactive glass-based scaffolds. Journal of Tissue Engineering and Regenerative Medicine, 2016, 10, E497-E509.	2.7	40
51	One-Stage versus Two-Stage Arteriovenous Loop Reconstructions: An Experience on 103 Cases from a Single Center. Plastic and Reconstructive Surgery, 2019, 143, 912-924.	1.4	40
52	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. Tissue Engineering, 2005, 11, 855-864.	4.6	38
53	Sternal Wound Infections following Cardiac Surgery: Risk Factor Analysis and Interdisciplinary Treatment. Heart Surgery Forum, 2007, 10, E366-E371.	0.5	38
54	Tensiometry as a Decision Tool for Abdominal Wall Reconstruction with Component Separation. World Journal of Surgery, 2009, 33, 1174-1180.	1.6	37

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55	Hyaluronan-based heparin-incorporated hydrogels for generation of axially vascularized bioartificial bone tissues: inÂvitro and inÂvivo evaluation in a PLDLLAâ€“TCPâ€“PCL-composite system. Journal of Materials Science: Materials in Medicine, 2011, 22, 1279-1291.	3.6	37
56	Development of a pre-vascularized 3D scaffold-hydrogel composite graft using an arterio-venous loop for tissue engineering applications. Journal of Biomaterials Applications, 2012, 27, 277-289.	2.4	37
57	Pectus Excavatum Breast and Chest Deformity: Indications for Aesthetic Plastic Surgery Versus Thoracic Surgery in a Multicenter Experience. Aesthetic Plastic Surgery, 2006, 30, 403-411.	0.9	35
58	Zonal perfusion patterns in pedicled free-style perforator flaps. Journal of Plastic, Reconstructive and Aesthetic Surgery, 2014, 67, e9-e17.	1.0	34
59	Soft tissue free flap for reconstruction of upper extremities: A metaâ€analysis on outcome and safety. Microsurgery, 2019, 39, 463-475.	1.3	34
60	Knowledge gaps in oncoplastic breast surgery. Lancet Oncology, The, 2020, 21, e375-e385.	10.7	34
61	HEPATOCYTE TRANSPLANTATION USING BIODEGRADABLE MATRICES IN ASCORBIC ACID-DEFICIENT RATS: COMPARISON WITH HETEROTOPICALLY TRANSPLANTED LIVER GRAFTS1. Transplantation, 2001, 71, 1226-1231.	1.0	33
62	Ultrasound and shock-wave stimulation to promote axonal regeneration following nerve surgery: a systematic review and meta-analysis of preclinical studies. Scientific Reports, 2018, 8, 3168.	3.3	33
63	Influence of Pancreatic Islets on Growth and Differentiation of Hepatocytes in Co-Culture. Tissue Engineering, 1999, 5, 583-596.	4.6	32
64	Wide Topical Negative Pressure Wound Dressing Treatment for Patients Undergoing Abdominal Dermolipectomy Following Massive Weight Loss. Obesity Surgery, 2011, 21, 1781-1786.	2.1	32
65	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. Breast Journal, 2015, 21, 588-595.	1.0	31
66	Flow Increase Is Decisive to Initiate Angiogenesis in Veins Exposed to Altered Hemodynamics. PLoS ONE, 2015, 10, e0117407.	2.5	31
67	T17b murine embryonal endothelial progenitor cells can be induced towards both proliferation and differentiation in a fibrin matrix. Journal of Cellular and Molecular Medicine, 2009, 13, 926-935.	3.6	29
68	Development of hepatic tissue engineering. Pediatric Surgery International, 2009, 25, 667-673.	1.4	29
69	Flow-Induced Axial Vascularization: The Arteriovenous Loop in Angiogenesis and Tissue Engineering. Plastic and Reconstructive Surgery, 2016, 138, 825-835.	1.4	29
70	MicroRNA-regulated pathways of flow-stimulated angiogenesis and vascular remodeling in vivo. Journal of Translational Medicine, 2019, 17, 22.	4.4	29
71	Microvascular free flaps are a safe and suitable training procedure during structured plastic surgery residency: AÂcomparative cohort study with 391 patients. Journal of Plastic, Reconstructive and Aesthetic Surgery, 2016, 69, 715-721.	1.0	28
72	Comparison of Donor-Site Morbidity and Satisfaction between Anterolateral Thigh and Parascapular Free Flaps in the Same Patient. Journal of Reconstructive Microsurgery, 2013, 29, 537-544.	1.8	27

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73	Collagen-Elastin and Collagen-Glycosaminoglycan Scaffolds Promote Distinct Patterns of Matrix Maturation and Axial Vascularization in Arteriovenous Loopâ€“Based Soft Tissue Flaps. Annals of Plastic Surgery, 2017, 79, 92-100.	0.9	27
74	Role of guanylate binding protein-1 in vascular defects associated with chronic inflammatory diseases. Journal of Cellular and Molecular Medicine, 2011, 15, 1582-1592.	3.6	26
75	Threeâ€dimensional vascularization of electrospun PCL/collagenâ€blend nanofibrous scaffolds in vivo. Journal of Biomedical Materials Research - Part A, 2012, 100A, 2302-2311.	4.0	26
76	Silicone Implants with Smooth Surfaces Induce Thinner but Denser Fibrotic Capsules Compared to Those with Textured Surfaces in a Rodent Model. PLoS ONE, 2015, 10, e0132131.	2.5	26
77	Feasibility and safety of enzymatic debridement for the prevention of operative escharotomy in circumferential deep burns of the distal upper extremity. Surgery, 2019, 165, 1100-1105.	1.9	26
78	Xenogeneic skin transplantation promotes angiogenesis and tissue regeneration through activated Trem2 ⁺ macrophages. Science Advances, 2021, 7, eabi4528.	10.3	26
79	Coverage of Exposed Bones and Joints in Critically Ill Patients: Lower Extremity Salvage with Topical Negative Pressure Therapy. Journal of Cutaneous Medicine and Surgery, 2008, 12, 223-229.	1.2	25
80	High Throughput Screening of Gene Functions in Mammalian Cells Using Reversely Transfected Cell Arrays: Review And Protocol. Combinatorial Chemistry and High Throughput Screening, 2008, 11, 159-172.	1.1	25
81	Subjective outcome, neurophysiological investigations, postoperative complications and recurrence rate of partial medial epicondylectomy in cubital tunnel syndrome. Archives of Orthopaedic and Trauma Surgery, 2011, 131, 1027-1033.	2.4	25
82	Extracorporeal perfusion of free muscle flaps in a porcine model using a miniaturized perfusion system. Archives of Orthopaedic and Trauma Surgery, 2011, 131, 849-855.	2.4	25
83	Therapeutic options and postoperative wound complications after extremity soft tissue sarcoma resection and postoperative external beam radiotherapy. International Wound Journal, 2018, 15, 148-158.	2.9	24
84	Pedicled Transplantation of Axially Vascularized Bone Constructs in a Critical Size Femoral Defect. Tissue Engineering - Part A, 2018, 24, 479-492.	3.1	23
85	Chitosan nerve tube for primary repair of traumatic sensory nerve lesions of the hand without a gap: study protocol for a randomized controlled trial. Trials, 2016, 17, 48.	1.6	22
86	Early hypothermia as risk factor in severely burned patients: A retrospective outcome study. Burns, 2019, 45, 1895-1900.	1.9	22
87	The Impact of Indocyanine-Green Fluorescence Angiography on Intraoperative Decision-Making and Postoperative Outcome in Free Flap Surgery. Journal of Reconstructive Microsurgery, 2020, 36, 556-566.	1.8	22
88	Oncoplastic breast consortium recommendations for mastectomy and whole breast reconstruction in the setting of post-mastectomy radiation therapy. Breast, 2022, 63, 123-139.	2.2	22
89	Buried Chip Skin Grafting in Neuropathic Diabetic Foot Ulcers Following Vacuum-Assisted Wound Bed Preparation: Enhancing a Classic Surgical Tool with Novel Technologies. International Journal of Lower Extremity Wounds, 2004, 3, 168-171.	1.1	21
90	Radial Collateral Ligament Repair of the Thumb Metacarpophalangeal Joint Using the Abductor Pollicis Brevis Tendon. Plastic and Reconstructive Surgery, 2006, 117, 491-496.	1.4	21

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91	Double Pedicled Perforator Flap to Close Flank Defects. Annals of Plastic Surgery, 2009, 63, 422-424.	0.9	21
92	Microsurgical reconstruction for postâ€”traumatic defects of lower leg in the elderly: A comparative study. Injury, 2016, 47, 2558-2564.	1.7	21
93	Scars and perforator-based flaps in the abdominal region: a contraindication?. Canadian Journal of Surgery, 2010, 53, 137-42.	1.2	21
94	Objective outcome of partial medial epicondylectomy in cubital tunnel syndrome. Archives of Orthopaedic and Trauma Surgery, 2010, 130, 1549-1556.	2.4	20
95	Gene expression analysis of ischaemia and reperfusion in human microsurgical free muscle tissue transfer. Journal of Cellular and Molecular Medicine, 2011, 15, 983-993.	3.6	20
96	Four-corner fusion: comparison of patient satisfaction and functional outcome of conventional K-wire technique vs. a new locking plate. Archives of Orthopaedic and Trauma Surgery, 2016, 136, 571-578.	2.4	20
97	Comparison of subâ€•versus suprafascially raised anterolateral thigh free flaps with regard to donorâ€•site morbidity, function and aesthetics. Microsurgery, 2018, 38, 444-449.	1.3	20
98	Aesthetic and functional correction of female, asymmetric funnel chest â€“ A combined approach. Breast, 2009, 18, 60-65.	2.2	19
99	Scaffolds for vascularized bone regeneration: advances and challenges. Expert Review of Medical Devices, 2012, 9, 457-460.	2.8	19
100	High Flow Conditions Increase Connexin43 Expression in a Rat Arteriovenous and Angioinductive Loop Model. PLoS ONE, 2013, 8, e78782.	2.5	19
101	Free and Pedicled Flaps for Reconstruction of the Weightbearing Sole ofÂthe Foot: A Comparative Analysis of Functional Results. Journal of Foot and Ankle Surgery, 2014, 53, 727-734.	1.0	19
102	Expression of HIF-1Î± in Ischemia and Reperfusion in Human Microsurgical Free Muscle Tissue Transfer. Plastic and Reconstructive Surgery, 2011, 127, 2293-2300.	1.4	18
103	Geriatric Patients with Free Flap Reconstruction: A Comparative Clinical Analysis of 256 Cases. Journal of Reconstructive Microsurgery, 2020, 36, 127-135.	1.8	18
104	Negative pressure wound therapy as an accelerator and stabilizer for incorporation of artificial dermal skin substitutes â€“ A retrospective, non-blinded, and non-randomized comparative study. Journal of Plastic, Reconstructive and Aesthetic Surgery, 2021, 74, 357-363.	1.0	18
105	IS THERE AN OPTIMAL CONCENTRATION OF COTRANSPLANTED ISLETS OF LANGERHANS FOR STIMULATION OF HEPATOCYTES IN THREE DIMENSIONAL MATRICES?1. Transplantation, 1999, 68, 272-279.	1.0	18
106	Biomechanical and functional analysis of the pins and rubbers tractions system for treatment of proximal interphalangeal joint fracture dislocations. Archives of Orthopaedic and Trauma Surgery, 2009, 129, 29-37.	2.4	17
107	Pseudotumors after Primary Abdominal Lipectomy as a New Sequela in Patients with Abdominal Apron. Obesity Surgery, 2009, 19, 1599-1604.	2.1	17
108	Composition of fibrin glues significantly influences axial vascularization and degradation in isolation chamber model. Blood Coagulation and Fibrinolysis, 2012, 23, 419-427.	1.0	17

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109	Perforator-Based Monitoring Skin Islands in Free Muscle Flaps. Plastic and Reconstructive Surgery, 2012, 129, 586e-587e.	1.4	16
110	Characteristics of Bone Turnover in the Long Bone Metaphysis Fractured Patients with Normal or Low Bone Mineral Density (BMD). PLoS ONE, 2014, 9, e96058.	2.5	16
111	Suprathel Â® for severe burns in the elderly: Case report and review of the literature. Burns, 2016, 42, e86-e92.	1.9	16
112	Safety and donor site morbidity of the transverse musculocutaneous gracilis (TMG) flap in autologous breast reconstructionâ€"A systematic review and metaâ€analysis. Journal of Surgical Oncology, 2021, 124, 492-509.	1.7	16
113	Aesthetic Correction of Tuberous Breast Deformity-Lessons Learned with a Single-Stage Procedure. Breast Journal, 2009, 15, 279-286.	1.0	15
114	Free vascularized metacarpal bone graft combined with extended dorsal metacarpal artery flap for phalangeal bone and soft tissue loss: case report. Archives of Orthopaedic and Trauma Surgery, 2012, 132, 137-140.	2.4	15
115	The Collagenase of the Bacterium Clostridium histolyticum for the Treatment of Capsular Fibrosis after Silicone Implants. Plastic and Reconstructive Surgery, 2015, 136, 981-989.	1.4	15
116	From 3D to 4D: Integration of temporal information into CT angiography studies. European Journal of Radiology, 2015, 84, 2421-2424.	2.6	15
117	The free fasciocutaneous infragluteal (FCI) flap: Outcome and patient satisfaction after 142 breast reconstructions. Journal of Plastic, Reconstructive and Aesthetic Surgery, 2016, 69, 461-469.	1.0	15
118	Vascularized versus non-vascularized bone grafts in the treatment of scaphoid non-union. Journal of Orthopaedic Surgery, 2017, 25, 230949901668429.	1.0	15
119	Long-Term Effects of the Collagenase of the Bacterium Clostridium histolyticum for the Treatment of Capsular Fibrosis After Silicone Implants. Aesthetic Plastic Surgery, 2017, 41, 211-220.	0.9	15
120	Evaluation of 389 patients following freeâ€flap lower extremity reconstruction with respect to secondary refinement procedures. Microsurgery, 2018, 38, 242-250.	1.3	15
121	Immunohistochemical Evaluation after Ex Vivo Perfusion of Rectus Abdominis Muscle Flaps in a Porcine Model. Plastic and Reconstructive Surgery, 2012, 130, 265e-273e.	1.4	14
122	Sequential chimeric medial femoral condyle and anterolateral thigh flowâ€through flaps for oneâ€stage reconstructions of composite bone and soft tissue defects: Report of three cases. Microsurgery, 2017, 37, 824-830.	1.3	14
123	In view of standardization Part 2: Management of challenges in the initial treatment of burn patients in Burn Centers in Germany, Austria and Switzerland. Burns, 2017, 43, 318-325.	1.9	14
124	Axially vascularized tissueâ€engineered bone constructs retain their in vivo angiogenic and osteogenic capacity after highâ€dose irradiation. Journal of Tissue Engineering and Regenerative Medicine, 2018, 12, e657-e668.	2.7	14
125	The conjoined parascapular and latissimus dorsi free flap for reconstruction of extensive knee defects. Microsurgery, 2018, 38, 867-875.	1.3	14
126	Two Easy and Simple Modifications When Using a Distally Based Sural Flap to Reduce the Risk of Venous Congestion. Plastic and Reconstructive Surgery, 2008, 122, 683-684.	1.4	13

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127	Haemodynamically stimulated and in vivo generated axially vascularized softâ€tissue free flaps for closure of complex defects: Evaluation in a small animal model. Journal of Tissue Engineering and Regenerative Medicine, 2018, 12, 622-632.	2.7	13
128	Clinically Available Low Intensity Ultrasound Devices do not Promote Axonal Regeneration After Peripheral Nerve Surgeryâ€"A Preclinical Investigation of an FDA-Approved Device. Frontiers in Neurology, 2018, 9, 1057.	2.4	13
129	Low-profile locking-plate vs. the conventional AO system: early comparative results in wrist arthrodesis. Archives of Orthopaedic and Trauma Surgery, 2020, 140, 433-439.	2.4	13
130	Microsurgical reconstruction of extensive lower extremity defects with the conjoined parascapular and latissimus dorsi free flap. Microsurgery, 2020, 40, 639-648.	1.3	13
131	A comparative study of preoperative <scp>colorâ€coded</scp> Duplex ultrasonography versus handheld audible Dopplers in <scp>ALT</scp> flap planning. Microsurgery, 2020, 40, 561-567.	1.3	13
132	Utilization of Interdisciplinary Tumor Boards for Sarcoma Care in Germany: Results from the PROSa Study. Oncology Research and Treatment, 2021, 44, 301-312.	1.2	13
133	Long-term sequelae of critical illness in sepsis, trauma and burns: A systematic review and meta-analysis. Journal of Trauma and Acute Care Surgery, 2021, 91, 736-747.	2.1	13
134	Management of chronic osteomyelitis of the tibia with lifeâ€threatening complications under negative pressure wound therapy and isolation of Helcococcus kunzii. International Wound Journal, 2015, 12, 443-446.	2.9	12
135	Human scaphoid nonâ€unions exhibit increased osteoclast activity compared to adjacent cancellous bone. Journal of Cellular and Molecular Medicine, 2015, 19, 2842-2850.	3.6	12
136	Impact of diagnostic bronchoscopy in burned adults with suspected inhalation injury. Burns, 2019, 45, 1275-1282.	1.9	12
137	Comparison of Fasciocutaneous and Muscle-based Free Flaps for Soft Tissue Reconstruction of the Upper Extremity. Plastic and Reconstructive Surgery - Global Open, 2019, 7, e2543.	0.6	12
138	Influence of closed incisionnegativeâ€pressuretherapy on abdominaldonorâ€sitemorbidity in microsurgical breast reconstruction. Microsurgery, 2020, , .	1.3	12
139	Expression of Connexin43 Stimulates Endothelial Angiogenesis Independently of Gap Junctional Communication In Vitro. International Journal of Molecular Sciences, 2021, 22, 7400.	4.1	12
140	Management of Acute and Traumatic Wounds With Negative-Pressure Wound Therapy With Instillation and Dwell Time. Plastic and Reconstructive Surgery, 2021, 147, 43S-53S.	1.4	12
141	Lysineurethanedimethacrylateâ€"a novel generation of amino acid based monomers for bone cements and tissue repair. Biomaterials, 2002, 23, 2849-2854.	11.4	11
142	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. International Journal of Nanomedicine, 2014, 9, 5317.	6.7	11
143	Novel use of a flowable collagenâ€"glycosaminoglycan matrix (Integraâ„¢ Flowable Wound Matrix) combined with percutaneous cannula scar tissue release in treatment of post-burn malfunction of the handâ€"A preliminary 6 month follow-up. Burns, 2016, 42, e1-e7.	1.9	11
144	Fluid Management as a Risk Factor for Intra-abdominal Compartment Syndrome in Burn Patients: A Total Body Surface Areaâ€"Independent Multicenter Trial Part I. Journal of Burn Care and Research, 2019, 40, 500-506.	0.4	11

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145	Safety, Pharmacodynamics, and Efficacy of High- Versus Low-Dose Ascorbic Acid in Severely Burned Adults. Journal of Burn Care and Research, 2020, 41, 871-877.	0.4	11
146	Enzymatic Debridement for Burn Wound Care: Interrater Reliability and Impact of Experience in Post-intervention Therapy Decision. Journal of Burn Care and Research, 2021, 42, 953-961.	0.4	11
147	Efficacy and Safety of the Collagenase of the Bacterium Clostridium Histolyticum for the Treatment of Capsular Contracture after Silicone Implants: Ex-Vivo Study on Human Tissue. PLoS ONE, 2016, 11, e0156428.	2.5	11
148	Evaluation of Intra-Operative Abdominal Wall Perfusion in Post-Bariatric Abdominal Dermolipectomy. Obesity Facts, 2012, 5, 651-659.	3.4	10
149	In view of standardization: Comparison and analysis of initial management of severely burned patients in Germany, Austria and Switzerland. Burns, 2015, 41, 33-38.	1.9	10
150	Surgical Revascularizationâ€"An Innovative Approach to the Treatment of Talar Osteonecrosis Dissecans Stages II and III. Journal of Foot and Ankle Surgery, 2017, 56, 176-181.	1.0	10
151	Micro-RNAâ€"Regulated Proangiogenic Signaling in Arteriovenous Loops in Patients with Combined Vascular and Soft-Tissue Reconstructions: Revisiting the Nutrient Flap Concept. Plastic and Reconstructive Surgery, 2018, 142, 489e-502e.	1.4	10
152	The Collagenase of the Bacterium Clostridium histolyticum in the Treatment of Irradiation-Induced Capsular Contracture. Aesthetic Plastic Surgery, 2019, 43, 836-844.	0.9	10
153	Comparative outcome analysis of internal screw fixation and Kirschner wire fixation in the treatment of scaphoid nonunion. Journal of Plastic, Reconstructive and Aesthetic Surgery, 2020, 73, 1675-1682.	1.0	10
154	The transverse musculocutaneous gracilis flap for autologous breast reconstruction: focus on donor site morbidity. Breast Cancer, 2021, 28, 1273-1282.	2.9	10
155	Promoting axonal regeneration following nerve surgery: a perspective on ultrasound treatment for nerve injuries. Neural Regeneration Research, 2018, 13, 1530.	3.0	10
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