## Won Jai Lee

## List of Publications by Year in descending order

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257101 315357 2,124 123 24 38 h-index citations g-index papers 123 123 123 2799 citing authors docs citations times ranked all docs

#	Article	IF	CITATIONS
1	Effect of Human Adipose Derived Stem Cells on Scar Formation and Remodeling in a Pig Model: A Pilot Study. Dermatologic Surgery, 2012, 38, 1678-1688.	0.4	106
2	The Use of Matriderm and Autologous Skin Graft in the Treatment of Full Thickness Skin Defects. Archives of Plastic Surgery, 2014, 41, 330-336.	0.4	97
3	Correlation of Neotongue Volume Changes With Functional Outcomes After Long-Term Follow-Up of Total Glossectomy. Journal of Craniofacial Surgery, 2010, 21, 111-116.	0.3	91
4	The Effect of Human Placenta Extract in a Wound Healing Model. Annals of Plastic Surgery, 2010, 65, 96-100.	0.5	80
5	Early Postoperative Treatment of Thyroidectomy Scars Using a Fractional Carbon Dioxide Laser. Dermatologic Surgery, 2011, 37, 217-223.	0.4	68
6	Characterization and tissue incorporation of cross-linked human acellular dermal matrix. Biomaterials, 2015, 44, 195-205.	5.7	63
7	Endothelialâ€toâ€mesenchymal transition induced by <scp>W</scp> nt 3a in keloid pathogenesis. Wound Repair and Regeneration, 2015, 23, 435-442.	1.5	60
8	Scar Prevention and Enhanced Wound Healing Induced by Polydeoxyribonucleotide in a Rat Incisional Wound-Healing Model. International Journal of Molecular Sciences, 2017, 18, 1698.	1.8	53
9	Inferior gluteal artery perforator flap: a viable alternative for ischial pressure sores. Journal of Plastic, Reconstructive and Aesthetic Surgery, 2009, 62, 1347-1354.	0.5	48
10	TSLP Is a Potential Initiator of Collagen Synthesis and an Activator of CXCR4/SDF-1 Axis in Keloid Pathogenesis. Journal of Investigative Dermatology, 2016, 136, 507-515.	0.3	43
11	Skin color analysis using a spectrophotometer in Asians. Skin Research and Technology, 2010, 16, 311-5.	0.8	42
12	Combined Therapeutic Strategies for Keloid Treatment. Dermatologic Surgery, 2019, 45, 802-810.	0.4	41
13	Enhanced Chondrogenic Responses of Human Articular Chondrocytes Onto Silk Fibroin/Wool Keratose Scaffolds Treated With Microwaveâ€Induced Argon Plasma. Artificial Organs, 2010, 34, 384-392.	1.0	35
14	Free Flap Reconstruction After Robot-Assisted Neck Dissection Via a Modified Face-Lift or Retroauricular Approach. Annals of Surgical Oncology, 2013, 20, 891-898.	0.7	35
15	Decorinâ€expressing adenovirus decreases collagen synthesis and upregulates MMP expression in keloid fibroblasts and keloid spheroids. Experimental Dermatology, 2015, 24, 591-597.	1.4	32
16	Penoscrotal Reconstruction With Gracilis Muscle Flap and Internal Pudendal Artery Perforator Flap Transposition. Urology, 2012, 79, 1390-1396.	0.5	31
17	Functional Outcomes of Multiple Sural Nerve Grafts for Facial Nerve Defects after Tumor-Ablative Surgery. Archives of Plastic Surgery, 2015, 42, 461-468.	0.4	30
18	Surgical Management of Gynecomastia: Subcutaneous Mastectomy and Liposuction. Aesthetic Plastic Surgery, 2016, 40, 877-884.	0.5	29

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19	Longâ€term functional outcomes after total tongue reconstruction: Consideration of flap types, volume, and functional results. Microsurgery, 2017, 37, 190-196.	0.6	29
20	Hypoxia-Induced Epithelial-To-Mesenchymal Transition Mediates Fibroblast Abnormalities via ERK Activation in Cutaneous Wound Healing. International Journal of Molecular Sciences, 2019, 20, 2546.	1.8	29
21	The Effect of Platelet-Rich Plasma on Composite Graft Survival. Plastic and Reconstructive Surgery, 2014, 134, 239-246.	0.7	28
22	Lower Extremity Reconstruction Using Vastus Lateralis Myocutaneous Flap versus Anterolateral Thigh Fasciocutaneous Flap. Archives of Plastic Surgery, 2012, 39, 367-375.	0.4	27
23	Metformin Alleviates Radiation-Induced Skin Fibrosis via the Downregulation of FOXO3. Cellular Physiology and Biochemistry, 2018, 48, 959-970.	1.1	26
24	Gluteal artery perforator flap: a viable alternative for sacral radiation ulcer and osteoradionecrosis. Journal of Plastic, Reconstructive and Aesthetic Surgery, 2010, 63, 642-647.	0.5	25
25	Heat Shock Protein 90 Inhibitor (17-AAG) Induces Apoptosis and Decreases Cell Migration/Motility of Keloid Fibroblasts. Plastic and Reconstructive Surgery, 2015, 136, 44e-53e.	0.7	25
26	High-Mobility Group Box 1 Mediates Fibroblast Activity via RAGE-MAPK and NF-κB Signaling in Keloid Scar Formation. International Journal of Molecular Sciences, 2018, 19, 76.	1.8	25
27	Profibrogenic effect of high-mobility group box protein-1 in human dermal fibroblasts and its excess in keloid tissues. Scientific Reports, 2018, 8, 8434.	1.6	25
28	A novel threeâ€dimensional model system for keloid study: Organotypic multicellular scar model. Wound Repair and Regeneration, 2013, 21, 155-165.	1.5	24
29	Evaluation of the Efficacy of Microsurgical Practice Through Time Factor Added Protocol. Journal of Craniofacial Surgery, 2010, 21, 876-881.	0.3	23
30	Hypopharyngeal Reconstruction Using Remnant Narrow Pharyngeal Wall as Omega-Shaped Radial Forearm Free Flap. Journal of Craniofacial Surgery, 2009, 20, 1334-1340.	0.3	22
31	Development of a porcine skin injury model and characterization of the dose-dependent response to high-dose radiation. Journal of Radiation Research, 2013, 54, 823-831.	0.8	22
32	Reconstruction of Pretibial Defect Using Pedicled Perforator Flaps. Archives of Plastic Surgery, 2012, 39, 360.	0.4	22
33	Effects of Hepatocyte Growth Factor on Collagen Synthesis and Matrix Metalloproteinase Production in Keloids. Journal of Korean Medical Science, 2011, 26, 1081.	1.1	21
34	Hsp70 Knockdown by siRNA Decreased Collagen Production in Keloid Fibroblasts. Yonsei Medical Journal, 2015, 56, 1619.	0.9	21
35	Regulation of MMP and TIMP expression in synovial fibroblasts from knee osteoarthritis with flexion contracture using adenovirus-mediated relaxin gene therapy. Knee, 2019, 26, 317-329.	0.8	21
36	Safety of Combined Fractional Microneedle Radiofrequency and CO2 as an Early Intervention for Inflammatory Acne and Scarring Treated With Concomitant Isotretinoin. Dermatologic Surgery, 2020, 46, e71-e77.	0.4	20

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37	Acellular Dermal Matrix to Treat Full Thickness Skin Defects: Follow-Up Subjective and Objective Skin Quality Assessments. Archives of Craniofacial Surgery, 2014, 15, 14.	0.4	20
38	Pectoralis major–rectus abdominis bipedicled muscle flap in the treatment of poststernotomy mediastinitis. Journal of Thoracic and Cardiovascular Surgery, 2008, 136, 618-622.	0.4	19
39	Objective and Quantitative Evaluation of Scar Color Using the L*a*b* Color Coordinates. Journal of Craniofacial Surgery, 2010, 21, 679-684.	0.3	18
40	Treatment of Ischial Pressure Sores with Both Profunda Femoris Artery Perforator Flaps and Muscle Flaps. Archives of Plastic Surgery, 2014, 41, 387-393.	0.4	18
41	Heat Shock Protein 90 Inhibitor Decreases Collagen Synthesis of Keloid Fibroblasts and Attenuates the Extracellular Matrix on the Keloid Spheroid Model. Plastic and Reconstructive Surgery, 2015, 136, 328e-337e.	0.7	18
42	Usefulness of Cross-Linked Human Acellular Dermal Matrix as an Implant for Dorsal Augmentation in Rhinoplasty. Aesthetic Plastic Surgery, 2018, 42, 288-294.	0.5	18
43	Radial forearmâ€palmaris longus tenocutaneous free flap; implication in the repair of the moderateâ€sized postoncologic soft palate defect. Head and Neck, 2009, 31, 1220-1227.	0.9	17
44	Relaxin-Expressing Adenovirus Decreases Collagen Synthesis and Up-Regulates Matrix Metalloproteinase Expression in Keloid Fibroblasts. Plastic and Reconstructive Surgery, 2012, 130, 407e-417e.	0.7	17
45	Comparison of the efficacy and safety of povidoneâ€iodine foam dressing (Betafoam), hydrocellular foam dressing (Allevyn), and petrolatum gauze for splitâ€thickness skin graft donor site dressing. International Wound Journal, 2019, 16, 379-386.	1.3	17
46	Reconstruction of Ankle and Heel Defects with Peroneal Artery Perforator-Based Pedicled Flaps. Archives of Plastic Surgery, 2015, 42, 619.	0.4	17
47	Perineal reconstruction using a bilobed pudendal artery perforator flap. Gynecologic Oncology, 2010, 118, 313-316.	0.6	16
48	Proteomic Profiling Reveals Upregulated Protein Expression of Hsp70 in Keloids. BioMed Research International, 2013, 2013, 1-9.	0.9	16
49	Reconstruction of Various Perinasal Defects Using Facial Artery Perforator-Based Nasolabial Island Flaps. Archives of Plastic Surgery, 2013, 40, 754.	0.4	16
50	The Effect of Polydeoxyribonucleotide on Ischemic Rat Skin Flap Survival. Annals of Plastic Surgery, 2015, 75, 84-90.	0.5	15
51	Antifibrotic Effects of High-Mobility Group Box 1 Protein Inhibitor (Glycyrrhizin) on Keloid Fibroblasts and Keloid Spheroids through Reduction of Autophagy and Induction of Apoptosis. International Journal of Molecular Sciences, 2019, 20, 4134.	1.8	15
52	First Percutaneous Reduction and Next External Suspension With Steinmann Pin and Kirschner Wire of Isolated Zygomatic Fractures. Journal of Craniofacial Surgery, 2010, 21, 1060-1065.	0.3	14
53	Comparing the Effect of Nonactivated Platelet-Rich Plasma, Activated Platelet-Rich Plasma, and Bone Morphogenetic Protein-2 on Calvarial Bone Regeneration. Journal of Craniofacial Surgery, 2016, 27, 317-321.	0.3	14
54	Acceleration of osteogenesis by platelet-rich plasma with acellular dermal matrix in a calvarial defect model. Child's Nervous System, 2016, 32, 1653-1659.	0.6	13

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55	Scaffold Free Bone Regeneration Using Platelet-Rich Fibrin in Calvarial Defect Model. Journal of Craniofacial Surgery, 2018, 29, 251-254.	0.3	13
56	Lateral Oropharyngeal Wall Coverage with Buccinator Myomucosal and Buccal Fat Pad Flaps. Archives of Plastic Surgery, 2015, 42, 453-460.	0.4	13
57	Reconstruction of a Total Soft Palatal Defect Using a Folded Radial Forearm Free Flap and Palmaris Longus Tendon Sling. Archives of Plastic Surgery, 2012, 39, 25-30.	0.4	12
58	Altered vimentin protein expression in human dermal microvascular endothelial cells after ultraviolet or intense pulsed light treatment. Lasers in Surgery and Medicine, 2014, 46, 431-438.	1.1	12
59	Mortalin deficiency suppresses fibrosis and induces apoptosis in keloid spheroids. Scientific Reports, 2017, 7, 12957.	1.6	12
60	Comparative Skin Evaluation After Split-Thickness SkinÂGrafts Using 2 Different Acellular Dermal MatricesÂto Cover Composite Forearm Defects. Journal of Hand Surgery, 2017, 42, 297.e1-297.e10.	0.7	11
61	Particulate matterâ€induced atmospheric skin aging is aggravated by UVA and inhibited by a topical <scp>l</scp> â€ascorbic acid compound. Photodermatology Photoimmunology and Photomedicine, 2022, 38, 123-131.	0.7	11
62	Use of a Collagen Patch for Management of Pharyngocutaneous Fistula After Hypopharyngeal Reconstruction. Journal of Craniofacial Surgery, 2010, 21, 1674-1676.	0.3	10
63	Multilayered implantation using acellular dermal matrix into nude mice. Journal of Materials Science: Materials in Medicine, 2014, 25, 2669-2676.	1.7	10
64	Use of Acellular Allogenic Dermal Matrix (MegaDerm) in Orbital Wall Reconstruction: A Comparison With Absorbable Mesh Plate and Porous Polyethylene. Journal of Craniofacial Surgery, 2017, 28, e644-e649.	0.3	10
65	Preventive effect of polynucleotide on postâ€thyroidectomy scars: A randomized, doubleâ€blinded, controlled trial. Lasers in Surgery and Medicine, 2018, 50, 755-762.	1.1	10
66	Anterolateral thigh free flaps and radial forearm free flaps in head and neck reconstruction: A 20-year analysis from a single institution. Archives of Plastic Surgery, 2021, 48, 49-54.	0.4	10
67	Sequential reconstruction for recurrent head and neck cancer: A 10-year experience. Archives of Plastic Surgery, 2019, 46, 449-454.	0.4	10
68	Sex-related and racial variations in orbital floor anatomy. Archives of Craniofacial Surgery, 2020, 21, 219-224.	0.4	10
69	Gene Therapy Using Hepatocyte Growth Factor Expressing Adenovirus Improves Skin Flap Survival in a Rat Model. Journal of Korean Medical Science, 2014, 29, S228.	1.1	9
70	Development of novel biocompatible thermosensitive anti-adhesive agents using human-derived acellular dermal matrix. PLoS ONE, 2019, 14, e0212583.	1.1	9
71	Reconstruction of Large Defects in the Perineal Area Using Multiple Perforator Flaps. Archives of Plastic Surgery, 2016, 43, 446-450.	0.4	9
72	Palatal Mucoperiosteal Island Flaps for Palate Reconstruction. Archives of Craniofacial Surgery, 2014, 15, 70.	0.4	9

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73	Treatment of fibrous dysplasia of the zygomaticomaxillary complex with radical resection and three-dimensional reconstruction with autologous calvarial bone graft. Archives of Craniofacial Surgery, 2018, 19, 200-204.	0.4	9
74	The tie-over dressing using skin-staples and round rubber bands. Journal of Plastic, Reconstructive and Aesthetic Surgery, 2005, 58, 751-752.	1.1	8
75	Augmentation of rat skin flap viability by relaxinâ€expressing adenovirus. Wound Repair and Regeneration, 2011, 19, 709-717.	1.5	8
76	Extramarginal excision is preferable for hypertrophic scars. International Journal of Dermatology, 2014, 53, 1138-1144.	0.5	8
77	Micronized Cross-Linked Human Acellular Dermal Matrices: An Effective Scaffold for Collagen Synthesis and Promising Material for Tissue Augmentation. Tissue Engineering and Regenerative Medicine, 2017, 14, 517-523.	1.6	8
78	A Novel Technique of Asian Tip Plasty: Rein-Shaped Columellar Strut Graft. Aesthetic Plastic Surgery, 2019, 43, 1301-1309.	0.5	8
79	Inhibition of Wnt signaling pathway suppresses radiation-induced dermal fibrosis. Scientific Reports, 2020, 10, 13594.	1.6	8
80	Orbital floor reconstruction using a tensor fascia lata sling after total maxillectomy. Journal of Cranio-Maxillo-Facial Surgery, 2016, 44, 648-653.	0.7	7
81	Decoy Wnt receptor (sLRP6E1E2)-expressing adenovirus induces anti-fibrotic effect via inhibition of Wnt and TGF- $\hat{l}^2$ signaling. Scientific Reports, 2017, 7, 15070.	1.6	7
82	Proposal of a Classification System for the Assessment and Treatment of Prominent Ear Deformity. Aesthetic Plastic Surgery, 2018, 42, 759-765.	0.5	7
83	Radially patterned polycaprolactone nanofibers as an active wound dressing agent. Archives of Plastic Surgery, 2019, 46, 399-404.	0.4	7
84	The Effects of Botulinum Toxin A on Collagen Synthesis, Expression of MMP (matrix) Tj ETQq0 0 0 rgBT /Overlock Archives of Aesthetic Plastic Surgery, 2013, 19, 114.	0.1	307 Td (meta 7
85	Tissue-remodelling M2 Macrophages Recruits Matrix MetalloÂproteinase-9 for Cryotherapy-induced Fibrotic Resolution during Keloid Treatment. Acta Dermato-Venereologica, 2020, 100, adv00306.	0.6	7
86	<i>In vivo</i> relative quantitative proteomics reveals <scp>HMGB</scp> 1 as a downstream mediator of oestrogenâ€stimulated keratinocyte migration. Experimental Dermatology, 2015, 24, 478-480.	1.4	6
87	Development of an easy-to-handle murine model for the characterization of radiation-induced gross and molecular changes in skin. Archives of Plastic Surgery, 2018, 45, 403-410.	0.4	6
88	Three-Dimensionally Printed Breast Reconstruction Devices Facilitate Nanostructure Surface-Guided Healthy Lipogenesis. ACS Biomaterials Science and Engineering, 2019, 5, 4962-4969.	2.6	6
89	Synergistic Effect of 300 $\hat{l}$ 4m Needle-Depth Fractional Microneedling Radiofrequency on the Treatment of Senescence-Induced Aging Hyperpigmentation of the Skin. International Journal of Molecular Sciences, 2021, 22, 7480.	1.8	6
90	Effect of Relaxin Expression from an Alginate Gel-Encapsulated Adenovirus on Scar Remodeling in a Pig Model. Yonsei Medical Journal, 2019, 60, 854.	0.9	6

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91	Super-thin ALT flap elevation using preoperative color doppler ultrasound planning: Identification of horizontally running pathway at the deep adipofascial layers. Journal of Plastic, Reconstructive and Aesthetic Surgery, 2022, 75, 665-673.	0.5	6
92	Hepatocyte growth factorâ€expressing adenovirus upregulates matrix metalloproteinaseâ€1 expression in keloid fibroblasts. International Journal of Dermatology, 2016, 55, 356-361.	0.5	5
93	Adipose Tissue Formation Utilizing Fat Flap Distraction Technique. Scientific Reports, 2017, 7, 5174.	1.6	5
94	Oral propranolol therapy in 23 infants with infantile hemangioma. Archives of Plastic Surgery, 2018, 45, 517-524.	0.4	5
95	A Prospective Randomized Study: The Usefulness and Efficacy of Negative Pressure Wound Therapy with Lipidocolloid Polyester Mesh Compared to Traditional Negative Pressure Wound Therapy for Treatment of Pressure Ulcers. Pharmaceutics, 2020, 12, 813.	2.0	5
96	Sustained Release of Decoy Wnt Receptor (sLRP6E1E2)-Expressing Adenovirus Using Gel-Encapsulation for Scar Remodeling in Pig Model. International Journal of Molecular Sciences, 2020, 21, 2242.	1.8	5
97	Incorporating a continuous suction system as a preventive measure against fistula-related complications in head and neck reconstructive surgery. Archives of Plastic Surgery, 2018, 45, 449-457.	0.4	5
98	Metformin Inhibits Transforming Growth Factor β–Induced Fibrogenic Response of Human Dermal Fibroblasts and Suppresses Fibrosis in Keloid Spheroids. Annals of Plastic Surgery, 2021, 86, 406-411.	0.5	5
99	Skin-Fat Composite Grafts on Full-Thickness Facial Skin Defects. Annals of Plastic Surgery, 2013, 71, 176-180.	0.5	4
100	Double-sided folded internal pudendal artery perforator flap for the repair of a recurrent rectovaginal fistula. Archives of Plastic Surgery, 2018, 45, 90-92.	0.4	4
101	Analysis of factors involved in brain-death donor processing for face transplantation in Korea: How much time is available from brain death to transplantation?. Archives of Plastic Surgery, 2019, 46, 405-413.	0.4	4
102	Extended temporalis flap for skull base reconstruction. Archives of Craniofacial Surgery, 2019, 20, 126-129.	0.4	4
103	Anterior skull base reconstruction using an anterolateral thigh free flap. Archives of Craniofacial Surgery, 2021, 22, 232-238.	0.4	4
104	The Effect of Red Ginseng Extract Intake on Ischemic Flaps. Journal of Investigative Surgery, 2017, 30, 19-25.	0.6	3
105	Huge Anterior Skull Base Defect Reconstruction on Communicating Between Cranium and Nasal Cavity. Journal of Craniofacial Surgery, 2020, 31, 436-439.	0.3	3
106	Current Status of Face Transplantation: Where Do We Stand in Korea?. Archives of Craniofacial Surgery, 2012, 13, 85.	0.4	3
107	Quantitative Mandibular Angle Ostectomy Facilitated by Oscillating-Blade Saw With Scalable Guide. Journal of Craniofacial Surgery, 2016, 27, 194-197.	0.3	2
108	Dickkopf 2–Expressing Adenovirus Increases the Survival of Random-Pattern Flaps and Promotes Vasculogenesis in a Rat Model. Annals of Plastic Surgery, 2020, 84, 588-594.	0.5	2

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109	Research, Plastic Surgery, and Archives of Plastic Surgery. Archives of Plastic Surgery, 2017, 44, 359-360.	0.4	2
110	Epithelial-mesenchymal transition in keloid tissue. Archives of Plastic Surgery, 2018, 45, 600-601.	0.4	2
111	Use of Topical Rapamycin as Maintenance Treatment after a Single Session of Fractionated CO2 Laser Ablation: A Method to Enhance Percutaneous Drug Delivery. Annals of Dermatology, 2019, 31, 555.	0.3	2
112	Effect of Mortalin on Scar Formation in Human Dermal Fibroblasts and a Rat Incisional Scar Model. International Journal of Molecular Sciences, 2022, 23, 7918.	1.8	2
113	Effectiveness of the Trapezius Vein in the Reconstruction of Intraoral Defects With Bare Neck. Journal of Craniofacial Surgery, 2010, 21, 1423-1427.	0.3	1
114	Internal Jugular Vein Reconstruction in Bilateral Radical Neck Dissection followed by Free Flap Reconstruction: A Case Report. Journal of Reconstructive Microsurgery, 2014, 30, 359-362.	1.0	1
115	Microsurgical reconstruction of posttraumatic large soft tissue defects on face. Journal of the Korean Medical Association, 2018, 61, 724.	0.1	1
116	A prospective comparative study of radiotherapy effect upon scar quality. Journal of Plastic, Reconstructive and Aesthetic Surgery, 2021, 74, 1801-1806.	0.5	1
117	The effect of early arm exercise on drainage volume after total mastectomy and tissue expander insertion in breast cancer patients: a prospective study. Archives of Plastic Surgery, 2021, 48, 583-589.	0.4	1
118	Perforating patterns of cutaneous perforator vessels in anterolateral thigh flaps for head and neck reconstruction and clinical outcomes. Archives of Craniofacial Surgery, 2022, 23, 64-70.	0.4	1
119	Robotic Microsurgery Training for Robot Assisted Reconstructive Surgery. Archives of Hand and Microsurgery, 2019, 24, 358.	0.1	0
120	Effect of Relaxin Expressing Adenovirus on Scar Remodeling: A Preliminary Study. Archives of Craniofacial Surgery, 2017, 18, 9-15.	0.4	0
121	Modified rat limb transplantation model for VCA experiments: difficulties and know-how of vascularized bone marrow flap. Korean Journal of Transplantation, 2020, 34, S176-S176.	0.0	O
122	Analysis for factors of brain death donor processing for face and hand transplantation in Korea: how much time will be available from brain death to transplantation?. Korean Journal of Transplantation, 2020, 34, S31-S31.	0.0	0
123	Outcomes of grafted skin on the dorsum of the foot after car-tire friction injuries. Archives of Plastic Surgery, 2021, 48, 678-684.	0.4	0