Irena Pastar

List of Publications by Citations

75 papers	3,742 citations	29 h-index	61 g-index
81 ext. papers	4,726 ext. citations	5.1 avg, IF	5.31 L-index

#	Paper	IF	Citations
75	Epithelialization in Wound Healing: A Comprehensive Review. *Advances in Wound Care*, **2014**, 3, 445-464	4.8	624
74	Epithelial-mesenchymal transition in tissue repair and fibrosis. *Cell and Tissue Research*, **2016**, 365, 495-506	4.2	273
73	Molecular markers in patients with chronic wounds to guide surgical debridement. *Molecular Medicine*, **2007**, 13, 30-9	6.2	241
72	Interactions of methicillin resistant Staphylococcus aureus USA300 and Pseudomonas aeruginosa in polymicrobial wound infection. *PLoS ONE*, **2013**, 8, e56846	3.7	221
71	Nanotechnology-Driven Therapeutic Interventions in Wound Healing: Potential Uses and Applications. *ACS Central Science*, **2017**, 3, 163-175	16.8	215
70	Stem Cells in Skin Regeneration, Wound Healing, and Their Clinical Applications. *International Journal of Molecular Sciences*, **2015**, 16, 25476-501	6.3	166
69	Novel genomic effects of glucocorticoids in epidermal keratinocytes: inhibition of apoptosis, interferon-gamma pathway, and wound healing along with promotion of terminal differentiation. *Journal of Biological Chemistry*, **2007**, 282, 4021-34	5.4	146
68	Cortisol synthesis in epidermis is induced by IL-1 and tissue injury. *Journal of Biological Chemistry*, **2011**, 286, 10265-75	5.4	144
67	Biology and Biomarkers for Wound Healing. *Plastic and Reconstructive Surgery*, **2016**, 138, 18S-28S	2.7	127
66	Attenuation of the transforming growth factor beta-signaling pathway in chronic venous ulcers. *Molecular Medicine*, **2010**, 16, 92-101	6.2	103
65	Induction of specific microRNAs inhibits cutaneous wound healing. *Journal of Biological Chemistry*, **2012**, 287, 29324-35	5.4	97
64	Deregulation of keratinocyte differentiation and activation: a hallmark of venous ulcers. *Journal of Cellular and Molecular Medicine*, **2008**, 12, 2675-90	5.6	91
63	The Role of TGF Signaling in Wound Epithelialization. *Advances in Wound Care*, **2014**, 3, 482-491	4.8	79
62	An adenosine-to-inosine tRNA-editing enzyme that can perform C-to-U deamination of DNA. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 7821-6	11.5	71
61	The role of stem cells in the treatment of diabetic foot ulcers. *Diabetes Research and Clinical Practice*, **2012**, 96, 1-9	7.4	65
60	Role of keratinocytes in healing of chronic wounds. *Surgical Technology International*, **2008**, 17, 105-12	0.8	61
59	Probiotics or pro-healers: the role of beneficial bacteria in tissue repair. *Wound Repair and Regeneration*, **2017**, 25, 912-922	3.6	56

58	Keratin dressings speed epithelialization of deep partial-thickness wounds. *Wound Repair and Regeneration*, **2012**, 20, 236-42	3.6	55
57	Integrative analysis of miRNA and mRNA paired expression profiling of primary fibroblast derived from diabetic foot ulcers reveals multiple impaired cellular functions. *Wound Repair and Regeneration*, **2016**, 24, 943-953	3.6	48
56	Farnesyl pyrophosphate inhibits epithelialization and wound healing through the glucocorticoid receptor. *Journal of Biological Chemistry*, **2010**, 285, 1980-8	5.4	48
55	Deregulated immune cell recruitment orchestrated by FOXM1 impairs human diabetic wound healing. *Nature Communications*, **2020**, 11, 4678	17.4	45
54	Stress Signals, Mediated by Membranous Glucocorticoid Receptor, Activate PLC/PKC/GSK-3β/β-catenin Pathway to Inhibit Wound Closure. *Journal of Investigative Dermatology*, **2017**, 137, 1144-1154	4.3	42
53	Identification of novel cyclic lipopeptides from a positional scanning combinatorial library with enhanced antibacterial and antibiofilm activities. *European Journal of Medicinal Chemistry*, **2016**, 108, 354-363	6.8	42
52	Increased number of Langerhans cells in the epidermis of diabetic foot ulcers correlates with healing outcome. *Immunologic Research*, **2013**, 57, 222-8	4.3	41
51	Comparative Genomic, MicroRNA, and Tissue Analyses Reveal Subtle Differences between Non-Diabetic and Diabetic Foot Skin. *PLoS ONE*, **2015**, 10, e0137133	3.7	41
50	Staphylococcus aureus Triggers Induction of miR-15B-5P to Diminish DNA Repair and Deregulate Inflammatory Response in Diabetic Foot Ulcers. *Journal of Investigative Dermatology*, **2018**, 138, 1187-1196	4.3	38
49	Descriptive vs mechanistic scientific approach to study wound healing and its inhibition: Is there a value of translational research involving human subjects?. *Experimental Dermatology*, **2018**, 27, 551-562	4	37
48	Deregulation of epidermal stem cell niche contributes to pathogenesis of nonhealing venous ulcers. *Wound Repair and Regeneration*, **2014**, 22, 220-227	3.6	36
47	Topical mevastatin promotes wound healing by inhibiting the transcription factor c-Myc via the glucocorticoid receptor and the long non-coding RNA Gas5. *Journal of Biological Chemistry*, **2018**, 293, 1439-1449	5.4	32
46	CRE recombinase-based positive-negative selection systems for genetic manipulation in Trypanosoma brucei. *Molecular and Biochemical Parasitology*, **2008**, 157, 73-82	1.9	29
45	Skin Microbiota and its Interplay with Wound Healing. *American Journal of Clinical Dermatology*, **2020**, 21, 36-43	7.1	28
44	Mesenchymal stem cell therapy and delivery systems in nonhealing wounds. *Advances in Skin and Wound Care*, **2011**, 24, 524-32; quiz 533-4	1.5	27
43	Mesenchymal stromal cells prevent bleomycin-induced lung and skin fibrosis in aged mice and restore wound healing. *Journal of Cellular Physiology*, **2018**, 233, 5503-5512	7	24
42	The effects of caffeine on wound healing. *International Wound Journal*, **2016**, 13, 605-13	2.6	23
41	C to U editing at position 32 of the anticodon loop precedes tRNA 5′-leader removal in trypanosomatids. *Nucleic Acids Research*, **2007**, 35, 6740-9	20.1	22

40	Mevastatin promotes healing by targeting caveolin-1 to restore EGFR signaling. *JCI Insight*, **2019**, 4,	9.9	19
39	Statins as potential therapeutic agents for healing disorders. *Expert Review of Dermatology*, **2010**, 5, 689-698		18
38	Differentiation of diabetic foot ulcer-derived induced pluripotent stem cells reveals distinct cellular and tissue phenotypes. *FASEB Journal*, **2019**, 33, 1262-1277	0.9	17
37	Pharmacological and Genetic Inhibition of Caveolin-1 Promotes Epithelialization and Wound Closure. *Molecular Therapy*, **2019**, 27, 1992-2004	11.7	16
36	Preclinical evaluation of a novel silver gelling fiber dressing on Pseudomonas aeruginosa in a porcine wound infection model. *Wound Repair and Regeneration*, **2019**, 27, 360-365	3.6	16
35	MiR-21 and miR-205 are induced in invasive cutaneous squamous cell carcinomas. *Archives of Dermatological Research*, **2017**, 309, 133-139	3.3	15
34	Single cell analyses reveal specific distribution of anti-bacterial molecule Perforin-2 in human skin and its modulation by wounding and Staphylococcus aureus infection. *Experimental Dermatology*, **2019**, 28, 225-232	4	15
33	Micro-RNAs: New Regulators of Wound Healing. *Surgical Technology International*, **2011**, 21, 51-60	0.8	14
32	A multidisciplinary team approach to hydroxyurea-associated chronic wound with squamous cell carcinoma. *International Wound Journal*, **2012**, 9, 324-9	2.6	13
31	Glucocorticoid receptor localizes to adherens junctions at the plasma membrane of keratinocytes. *PLoS ONE*, **2013**, 8, e63453	3.7	13
30	Skin Metabolite, Farnesyl Pyrophosphate, Regulates Epidermal Response to Inflammation, Oxidative Stress, and Migration. *Journal of Cellular Physiology*, **2016**, 231, 2452-63	7	13
29	Boosts Innate Immune Response by Activation of Gamma Delta T Cells and Induction of Perforin-2 in Human Skin. *Frontiers in Immunology*, **2020**, 11, 550946	8.4	12
28	Quality assessment of tissue specimens for studies of diabetic foot ulcers. *Experimental Dermatology*, **2013**, 22, 216-8	4	11
27	In vitro and in vivo activities of novel cyclic lipopeptides against staphylococcal biofilms. *Protein and Peptide Letters*, **2014**, 21, 352-6	1.9	11
26	A tractable, simplified ex vivo human skin model of wound infection. *Wound Repair and Regeneration*, **2019**, 27, 421-425	3.6	10
25	Optical coherence tomography for assessment of epithelialization in a human ex vivo wound model. *Wound Repair and Regeneration*, **2017**, 25, 1017-1026	3.6	10
24	Intracellular escape strategies of Staphylococcus aureus in persistent cutaneous infections. *Experimental Dermatology*, **2021**, 30, 1428-1439	4	9
23	Preclinical models for wound-healing studies **2018**, 223-253		8

22	A bioengineered living cell construct activates metallothionein/zinc/MMP8 and inhibits TGFβ1 to stimulate remodeling of fibrotic venous leg ulcers. *Wound Repair and Regeneration*, **2020**, 28, 164-176	3.6	8
21	Nanoparticles for Fidgety Cell Movement and Enhanced Wound Healing. *Journal of Investigative Dermatology*, **2015**, 135, 2151-2153	4.3	7
20	Epigenetic regulation of cellular functions in wound healing. *Experimental Dermatology*, **2021**, 30, 1073-1089	4	7
19	In vitro Engineering of a Skin Substitute Based on Adipose-Derived Stem Cells. *Cells Tissues Organs*, **2019**, 207, 46-57	2.1	6
18	Keratinocytes produce IL-6 in response to desmoglein 1 cleavage by Staphylococcus aureus exfoliative toxin A. *Immunologic Research*, **2013**, 57, 258-67	4.3	6
17	Rosiglitazone modulates the behaviors of diabetic host-derived fibroblasts in a carboxymethyllysine-modified collagen model. *Wound Repair and Regeneration*, **2012**, 20, 435-43	3.6	5
16	Glucocorticoid-mediated induction of caveolin-1 disrupts cytoskeletal organization, inhibits cell migration and re-epithelialization of non-healing wounds. *Communications Biology*, **2021**, 4, 757	6.7	4
15	Notch1 signaling determines the plasticity and function of fibroblasts in diabetic wounds. *Life Science Alliance*, **2020**, 3,	5.8	3
14	Perforins Expression by Cutaneous Gamma Delta T Cells. *Frontiers in Immunology*, **2020**, 11, 1839	8.4	3
13	Correlates of injection-related wounds and skin infections amongst persons who inject drugs and use a syringe service programme: A single center study. *International Wound Journal*, **2021**, 18, 701-707	2.6	3
12	Intracellular Staphylococcus aureus triggers pyroptosis and contributes to inhibition of healing due to Perforin-2 suppression. *Journal of Clinical Investigation*, **2021**,	15.9	2
11	Cortisol Synthesis Enzyme CYP11B1 as Tissue Biomarker for Diabetic Foot Ulcers. *Diabetes*, **2018**, 67, 641-P	0.9	2
10	Cellular reprogramming of diabetic foot ulcer fibroblasts triggers pro-healing miRNA-mediated epigenetic signature. *Experimental Dermatology*, **2021**, 30, 1065-1072	4	2
9	Wounds and Skin and Soft Tissue Infections in People Who Inject Drugs and the Utility of Syringe Service Programs in Their Management. *Advances in Wound Care*, **2021**, 10, 571-582	4.8	2
8	Reply to "Questioning the use of an acute porcine wound model to assess anti-biofilm activity of dressings". *Wound Repair and Regeneration*, **2020**, 28, 429-430	3.6	1
7	Physiology and Pathophysiology of Wound Healing in Diabetes **2012**, 127-149		1
6	Catalase, a therapeutic target in the reversal of estrogen-mediated aging. *Molecular Therapy*, **2021**,	11.7	1
5	Novel mevalonate kinase missense mutation in a patient with disseminated superficial actinic porokeratosis. *JAAD Case Reports*, **2018**, 4, 340-343	1.4	0

4	Novel Cyclic Lipopeptides Fusaricidin Analogs for Treating Wound Infections. *Frontiers in Microbiology*, **2021**, 12, 708904	5.7	0
3	Physiology and Pathophysiology of Wound Healing in Diabetes. *Contemporary Diabetes*, **2018**, 109-130	0	0
2	Novel Diagnostic Technologies and Therapeutic Approaches Targeting Chronic Wound Biofilms and Microbiota. *Current Dermatology Reports*,1	1.5	0
1	Dichotomous role of miR193b-3p in diabetic foot ulcers maintains inhibition of healing and suppression of tumor formation.. *Science Translational Medicine*, **2022**, 14, eabg8397	17.5	0