

# Irena Pastar

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Dichotomous role of miR193b-3p in diabetic foot ulcers maintains inhibition of healing and suppression of tumor formation.. <i>Science Translational Medicine</i> , <b>2022</b> , 14, eabg8397	17.5	0
74	Intracellular Staphylococcus aureus triggers pyroptosis and contributes to inhibition of healing due to Perforin-2 suppression. <i>Journal of Clinical Investigation</i> , <b>2021</b> ,	15.9	2
73	Intracellular escape strategies of Staphylococcus aureus in persistent cutaneous infections. <i>Experimental Dermatology</i> , <b>2021</b> , 30, 1428-1439	4	9
72	Epigenetic regulation of cellular functions in wound healing. <i>Experimental Dermatology</i> , <b>2021</b> , 30, 1073-1089	4.89	7
71	Cellular reprogramming of diabetic foot ulcer fibroblasts triggers pro-healing miRNA-mediated epigenetic signature. <i>Experimental Dermatology</i> , <b>2021</b> , 30, 1065-1072	4	2
70	Catalase, a therapeutic target in the reversal of estrogen-mediated aging. <i>Molecular Therapy</i> , <b>2021</b> ,	11.7	1
69	Glucocorticoid-mediated induction of caveolin-1 disrupts cytoskeletal organization, inhibits cell migration and re-epithelialization of non-healing wounds. <i>Communications Biology</i> , <b>2021</b> , 4, 757	6.7	4
68	Novel Cyclic Lipopeptides Fusaricidin Analogs for Treating Wound Infections. <i>Frontiers in Microbiology</i> , <b>2021</b> , 12, 708904	5.7	0
67	Correlates of injection-related wounds and skin infections amongst persons who inject drugs and use a syringe service programme: A single center study. <i>International Wound Journal</i> , <b>2021</b> , 18, 701-707	2.6	3
66	Wounds and Skin and Soft Tissue Infections in People Who Inject Drugs and the Utility of Syringe Service Programs in Their Management. <i>Advances in Wound Care</i> , <b>2021</b> , 10, 571-582	4.8	2
65	Reply to "Questioning the use of an acute porcine wound model to assess anti-biofilm activity of dressings". <i>Wound Repair and Regeneration</i> , <b>2020</b> , 28, 429-430	3.6	1
64	Notch1 signaling determines the plasticity and function of fibroblasts in diabetic wounds. <i>Life Science Alliance</i> , <b>2020</b> , 3,	5.8	3
63	A bioengineered living cell construct activates metallothionein/zinc/MMP8 and inhibits TGFβ to stimulate remodeling of fibrotic venous leg ulcers. <i>Wound Repair and Regeneration</i> , <b>2020</b> , 28, 164-176	3.6	8
62	Boosts Innate Immune Response by Activation of Gamma Delta T Cells and Induction of Perforin-2 in Human Skin. <i>Frontiers in Immunology</i> , <b>2020</b> , 11, 550946	8.4	12
61	Perforins Expression by Cutaneous Gamma Delta T Cells. <i>Frontiers in Immunology</i> , <b>2020</b> , 11, 1839	8.4	3
60	Deregulated immune cell recruitment orchestrated by FOXM1 impairs human diabetic wound healing. <i>Nature Communications</i> , <b>2020</b> , 11, 4678	17.4	45
59	Skin Microbiota and its Interplay with Wound Healing. <i>American Journal of Clinical Dermatology</i> , <b>2020</b> , 21, 36-43	7.1	28

58	Pharmacological and Genetic Inhibition of Caveolin-1 Promotes Epithelialization and Wound Closure. <i>Molecular Therapy</i> , <b>2019</b> , 27, 1992-2004	11.7	16
57	A tractable, simplified ex vivo human skin model of wound infection. <i>Wound Repair and Regeneration</i> , <b>2019</b> , 27, 421-425	3.6	10
56	Preclinical evaluation of a novel silver gelling fiber dressing on <i>Pseudomonas aeruginosa</i> in a porcine wound infection model. <i>Wound Repair and Regeneration</i> , <b>2019</b> , 27, 360-365	3.6	16
55	Differentiation of diabetic foot ulcer-derived induced pluripotent stem cells reveals distinct cellular and tissue phenotypes. <i>FASEB Journal</i> , <b>2019</b> , 33, 1262-1277	0.9	17
54	In vitro Engineering of a Skin Substitute Based on Adipose-Derived Stem Cells. <i>Cells Tissues Organs</i> , <b>2019</b> , 207, 46-57	2.1	6
53	Mevastatin promotes healing by targeting caveolin-1 to restore EGFR signaling. <i>JCI Insight</i> , <b>2019</b> , 4,	9.9	19
52	Single cell analyses reveal specific distribution of anti-bacterial molecule Perforin-2 in human skin and its modulation by wounding and <i>Staphylococcus aureus</i> infection. <i>Experimental Dermatology</i> , <b>2019</b> , 28, 225-232	4	15
51	Descriptive vs mechanistic scientific approach to study wound healing and its inhibition: Is there a value of translational research involving human subjects?. <i>Experimental Dermatology</i> , <b>2018</b> , 27, 551-562	4	37
50	Preclinical models for wound-healing studies <b>2018</b> , 223-253		8
49	Mesenchymal stromal cells prevent bleomycin-induced lung and skin fibrosis in aged mice and restore wound healing. <i>Journal of Cellular Physiology</i> , <b>2018</b> , 233, 5503-5512	7	24
48	<i>Staphylococcus aureus</i> Triggers Induction of miR-15B-5P to Diminish DNA Repair and Deregulate Inflammatory Response in Diabetic Foot Ulcers. <i>Journal of Investigative Dermatology</i> , <b>2018</b> , 138, 1187-1198	4.3	38
47	Novel mevalonate kinase missense mutation in a patient with disseminated superficial actinic porokeratosis. <i>JAAD Case Reports</i> , <b>2018</b> , 4, 340-343	1.4	0
46	Cortisol Synthesis Enzyme CYP11B1 as Tissue Biomarker for Diabetic Foot Ulcers. <i>Diabetes</i> , <b>2018</b> , 67, 641-P	0.9	2
45	Topical mevastatin promotes wound healing by inhibiting the transcription factor c-Myc via the glucocorticoid receptor and the long non-coding RNA Gas5. <i>Journal of Biological Chemistry</i> , <b>2018</b> , 293, 1439-1449	5.4	32
44	Physiology and Pathophysiology of Wound Healing in Diabetes. <i>Contemporary Diabetes</i> , <b>2018</b> , 109-130	0	0
43	Nanotechnology-Driven Therapeutic Interventions in Wound Healing: Potential Uses and Applications. <i>ACS Central Science</i> , <b>2017</b> , 3, 163-175	16.8	215
42	MiR-21 and miR-205 are induced in invasive cutaneous squamous cell carcinomas. <i>Archives of Dermatological Research</i> , <b>2017</b> , 309, 133-139	3.3	15
41	Stress Signals, Mediated by Membranous Glucocorticoid Receptor, Activate PLC/PKC/GSK-3 $\beta$ /Eatenin Pathway to Inhibit Wound Closure. <i>Journal of Investigative Dermatology</i> , <b>2017</b> , 137, 1144-1154	4.3	42

40	Optical coherence tomography for assessment of epithelialization in a human ex vivo wound model. <i>Wound Repair and Regeneration</i> , <b>2017</b> , 25, 1017-1026	3.6	10
39	Probiotics or pro-healers: the role of beneficial bacteria in tissue repair. <i>Wound Repair and Regeneration</i> , <b>2017</b> , 25, 912-922	3.6	56
38	Integrative analysis of miRNA and mRNA paired expression profiling of primary fibroblast derived from diabetic foot ulcers reveals multiple impaired cellular functions. <i>Wound Repair and Regeneration</i> , <b>2016</b> , 24, 943-953	3.6	48
37	The effects of caffeine on wound healing. <i>International Wound Journal</i> , <b>2016</b> , 13, 605-13	2.6	23
36	Identification of novel cyclic lipopeptides from a positional scanning combinatorial library with enhanced antibacterial and antibiofilm activities. <i>European Journal of Medicinal Chemistry</i> , <b>2016</b> , 108, 354-363	6.8	42
35	Skin Metabolite, Farnesyl Pyrophosphate, Regulates Epidermal Response to Inflammation, Oxidative Stress, and Migration. <i>Journal of Cellular Physiology</i> , <b>2016</b> , 231, 2452-63	7	13
34	Biology and Biomarkers for Wound Healing. <i>Plastic and Reconstructive Surgery</i> , <b>2016</b> , 138, 18S-28S	2.7	127
33	Epithelial-mesenchymal transition in tissue repair and fibrosis. <i>Cell and Tissue Research</i> , <b>2016</b> , 365, 495-506	4.6	273
32	Nanoparticles for Fidgety Cell Movement and Enhanced Wound Healing. <i>Journal of Investigative Dermatology</i> , <b>2015</b> , 135, 2151-2153	4.3	7
31	Stem Cells in Skin Regeneration, Wound Healing, and Their Clinical Applications. <i>International Journal of Molecular Sciences</i> , <b>2015</b> , 16, 25476-501	6.3	166
30	Comparative Genomic, MicroRNA, and Tissue Analyses Reveal Subtle Differences between Non-Diabetic and Diabetic Foot Skin. <i>PLoS ONE</i> , <b>2015</b> , 10, e0137133	3.7	41
29	Deregulation of epidermal stem cell niche contributes to pathogenesis of nonhealing venous ulcers. <i>Wound Repair and Regeneration</i> , <b>2014</b> , 22, 220-227	3.6	36
28	The Role of TGF $\beta$ Signaling in Wound Epithelialization. <i>Advances in Wound Care</i> , <b>2014</b> , 3, 482-491	4.8	79
27	Epithelialization in Wound Healing: A Comprehensive Review. <i>Advances in Wound Care</i> , <b>2014</b> , 3, 445-464	4.8	624
26	In vitro and in vivo activities of novel cyclic lipopeptides against staphylococcal biofilms. <i>Protein and Peptide Letters</i> , <b>2014</b> , 21, 352-6	1.9	11
25	Increased number of Langerhans cells in the epidermis of diabetic foot ulcers correlates with healing outcome. <i>Immunologic Research</i> , <b>2013</b> , 57, 222-8	4.3	41
24	Keratinocytes produce IL-6 in response to desmoglein 1 cleavage by Staphylococcus aureus exfoliative toxin A. <i>Immunologic Research</i> , <b>2013</b> , 57, 258-67	4.3	6
23	Quality assessment of tissue specimens for studies of diabetic foot ulcers. <i>Experimental Dermatology</i> , <b>2013</b> , 22, 216-8	4	11

22	Interactions of methicillin resistant <i>Staphylococcus aureus</i> USA300 and <i>Pseudomonas aeruginosa</i> in polymicrobial wound infection. <i>PLoS ONE</i> , <b>2013</b> , 8, e56846	3.7	221
21	Glucocorticoid receptor localizes to adherens junctions at the plasma membrane of keratinocytes. <i>PLoS ONE</i> , <b>2013</b> , 8, e63453	3.7	13
20	A multidisciplinary team approach to hydroxyurea-associated chronic wound with squamous cell carcinoma. <i>International Wound Journal</i> , <b>2012</b> , 9, 324-9	2.6	13
19	Rosiglitazone modulates the behaviors of diabetic host-derived fibroblasts in a carboxymethyllysine-modified collagen model. <i>Wound Repair and Regeneration</i> , <b>2012</b> , 20, 435-43	3.6	5
18	The role of stem cells in the treatment of diabetic foot ulcers. <i>Diabetes Research and Clinical Practice</i> , <b>2012</b> , 96, 1-9	7.4	65
17	Physiology and Pathophysiology of Wound Healing in Diabetes <b>2012</b> , 127-149		1
16	Keratin dressings speed epithelialization of deep partial-thickness wounds. <i>Wound Repair and Regeneration</i> , <b>2012</b> , 20, 236-42	3.6	55
15	Induction of specific microRNAs inhibits cutaneous wound healing. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 29324-35	5.4	97
14	Cortisol synthesis in epidermis is induced by IL-1 and tissue injury. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 10265-75	5.4	144
13	Mesenchymal stem cell therapy and delivery systems in nonhealing wounds. <i>Advances in Skin and Wound Care</i> , <b>2011</b> , 24, 524-32; quiz 533-4	1.5	27
12	Micro-RNAs: New Regulators of Wound Healing. <i>Surgical Technology International</i> , <b>2011</b> , 21, 51-60	0.8	14
11	Attenuation of the transforming growth factor beta-signaling pathway in chronic venous ulcers. <i>Molecular Medicine</i> , <b>2010</b> , 16, 92-101	6.2	103
10	Farnesyl pyrophosphate inhibits epithelialization and wound healing through the glucocorticoid receptor. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 1980-8	5.4	48
9	Statins as potential therapeutic agents for healing disorders. <i>Expert Review of Dermatology</i> , <b>2010</b> , 5, 689-698		18
8	Deregulation of keratinocyte differentiation and activation: a hallmark of venous ulcers. <i>Journal of Cellular and Molecular Medicine</i> , <b>2008</b> , 12, 2675-90	5.6	91
7	CRE recombinase-based positive-negative selection systems for genetic manipulation in <i>Trypanosoma brucei</i> . <i>Molecular and Biochemical Parasitology</i> , <b>2008</b> , 157, 73-82	1.9	29
6	Role of keratinocytes in healing of chronic wounds. <i>Surgical Technology International</i> , <b>2008</b> , 17, 105-12	0.8	61
5	An adenosine-to-inosine tRNA-editing enzyme that can perform C-to-U deamination of DNA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 7821-6	11.5	71

4	Molecular markers in patients with chronic wounds to guide surgical debridement. <i>Molecular Medicine</i> , <b>2007</b> , 13, 30-9	6.2	241
3	Novel genomic effects of glucocorticoids in epidermal keratinocytes: inhibition of apoptosis, interferon-gamma pathway, and wound healing along with promotion of terminal differentiation. <i>Journal of Biological Chemistry</i> , <b>2007</b> , 282, 4021-34	5.4	146
2	C to U editing at position 32 of the anticodon loop precedes tRNA 5'leader removal in trypanosomatids. <i>Nucleic Acids Research</i> , <b>2007</b> , 35, 6740-9	20.1	22
1	Novel Diagnostic Technologies and Therapeutic Approaches Targeting Chronic Wound Biofilms and Microbiota. <i>Current Dermatology Reports</i> , 1	1.5	0