

Shomita S Mathew-Steiner

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

951
citations

687363

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940533

16
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18
all docs

18
docs citations

18
times ranked

1175
citing authors

#	ARTICLE	IF	CITATIONS
1	Collagen in Wound Healing. <i>Bioengineering</i> , 2021, 8, 63.	3.5	280
2	<i>Staphylococcus aureus</i> Biofilm Infection Compromises Wound Healing by Causing Deficiencies in Granulation Tissue Collagen. <i>Annals of Surgery</i> , 2020, 271, 1174-1185.	4.2	108
3	<i>Pseudomonas aeruginosa</i> rugose small-colony variants evade host clearance, are hyper-inflammatory, and persist in multiple host environments. <i>PLoS Pathogens</i> , 2018, 14, e1006842.	4.7	89
4	Electric Field Based Dressing Disrupts Mixed-Species Bacterial Biofilm Infection and Restores Functional Wound Healing. <i>Annals of Surgery</i> , 2019, 269, 756-766.	4.2	77
5	Chronic Wound Biofilm Model. <i>Advances in Wound Care</i> , 2015, 4, 382-388.	5.1	57
6	Integrin and microtubule crosstalk in the regulation of cellular processes. <i>Cellular and Molecular Life Sciences</i> , 2018, 75, 4177-4185.	5.4	52
7	Stabilized collagen matrix dressing improves wound macrophage function and epithelialization. <i>FASEB Journal</i> , 2019, 33, 2144-2155.	0.5	48
8	Histopathological comparisons of <i>S</i> and <i>taphylococcus aureus</i> and <i>P</i> <i>seudomonas aeruginosa</i> experimental infected porcine burn wounds. <i>Wound Repair and Regeneration</i> , 2017, 25, 541-549.	3.0	42
9	A surfactant polymer dressing potentiates antimicrobial efficacy in biofilm disruption. <i>Scientific Reports</i> , 2018, 8, 873.	3.3	39
10	High-Resolution Harmonics Ultrasound Imaging for Non-Invasive Characterization of Wound Healing in a Pre-Clinical Swine Model. <i>PLoS ONE</i> , 2015, 10, e0122327.	2.5	34
11	Novel Bacterial Diversity and Fragmented eDNA Identified in Hyperbiofilm-Forming <i>Pseudomonas aeruginosa</i> Rugose Small Colony Variant. <i>IScience</i> , 2020, 23, 100827.	4.1	31
12	Biofilm Management in Wound Care. <i>Plastic and Reconstructive Surgery</i> , 2021, 148, 275e-288e.	1.4	31
13	Disposable Patterned Electroceutical Dressing (PED-10) Is Safe for Treatment of Open Clinical Chronic Wounds. <i>Advances in Wound Care</i> , 2019, 8, 149-159.	5.1	18
14	Matrix compliance and the regulation of cytokinesis. <i>Biology Open</i> , 2015, 4, 885-892.	1.2	14
15	Electroceutical Management of Bacterial Biofilms and Surgical Infection. <i>Antioxidants and Redox Signaling</i> , 2020, 33, 713-724.	5.4	14
16	Filamentous bacteriophage delays healing of <i>Pseudomonas</i> -infected wounds. <i>Cell Reports Medicine</i> , 2022, 3, 100656.	6.5	13
17	Power harvesting for wearable electronics using fabric electrochemistry. , 2017, , .		2