

# Sumati Sundaram

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/12130412/publications.pdf>

Version: 2024-02-01

17  
papers

543  
citations

687363

13  
h-index

940533

16  
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17  
all docs

17  
docs citations

17  
times ranked

939  
citing authors

#	ARTICLE	IF	CITATIONS
1	Engineering Synthetic Vectors for Improved DNA Delivery: Insights from Intracellular Pathways. Annual Review of Biomedical Engineering, 2004, 6, 397-426.	12.3	95
2	Comparative biology of decellularized lung matrix: Implications of species mismatch in regenerative medicine. Biomaterials, 2016, 102, 220-230.	11.4	68
3	Click-coated, heparinized, decellularized vascular grafts. Acta Biomaterialia, 2015, 13, 177-187.	8.3	65
4	Tissue-Engineered Vascular Grafts Created From Human Induced Pluripotent Stem Cells. Stem Cells Translational Medicine, 2014, 3, 1535-1543.	3.3	55
5	Strategies for Whole Lung Tissue Engineering. IEEE Transactions on Biomedical Engineering, 2014, 61, 1482-1496.	4.2	49
6	Glycocalyx-Like Hydrogel Coatings for Small Diameter Vascular Grafts. Advanced Functional Materials, 2020, 30, 1908963.	14.9	33
7	Smooth Muscle and Other Cell Sources for Human Blood Vessel Engineering. Cells Tissues Organs, 2012, 195, 15-25.	2.3	30
8	Engineered Tissue- Stent Biocomposites as Tracheal Replacements. Tissue Engineering - Part A, 2016, 22, 1086-1097.	3.1	30
9	Fate of Distal Lung Epithelium Cultured in a Decellularized Lung Extracellular Matrix. Tissue Engineering - Part A, 2015, 21, 1916-1928.	3.1	24
10	Oligonucleotide Structure Influences the Interactions between Cationic Polymers and Oligonucleotides. Biomacromolecules, 2005, 6, 2961-2968.	5.4	23
11	Interplay of polyethyleneimine molecular weight and oligonucleotide backbone chemistry in the dynamics of antisense activity. Nucleic Acids Research, 2007, 35, 4396-4408.	14.5	21
12	New Functional Tools for Antithrombogenic Activity Assessment of Live Surface Glycocalyx. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, 1847-1853.	2.4	18
13	Small diameter vascular graft engineered using human embryonic stem cell-derived mesenchymal cells. Tissue Engineering - Part A, 2013, 20, 131015043635000.	3.1	14
14	Esophageal regeneration following surgical implantation of a tissue engineered esophageal implant in a pediatric model. Npj Regenerative Medicine, 2022, 7, 1.	5.2	10
15	First-in-Human Segmental Esophageal Reconstruction Using a Bioengineered Mesenchymal Stromal Cell- Seeded Implant. JTO Clinical and Research Reports, 2021, 2, 100216.	1.1	6
16	Tissue engineering and regenerative medicine. , 2016, , 488-504.		1
17	Biomechanics of regenerated esophageal tissue following the implantation of a tissue engineered Cellspan™ Esophageal Implant. Journal of Biomechanics, 2022, 140, 111162.	2.1	1