

# Sundaresan Jayaraman

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11284290/publications.pdf>

Version: 2024-02-01

23  
papers

626  
citations

1039880

9  
h-index

839398

18  
g-index

23  
all docs

23  
docs citations

23  
times ranked

749  
citing authors

#	ARTICLE	IF	CITATIONS
1	Respiratory Protection for the Nation. JAMA - Journal of the American Medical Association, 2022, 327, 1023.	3.8	2
2	Fabric surface characterization: assessment of deep learning-based texture representations using a challenging dataset. Journal of the Textile Institute, 2021, 112, 293-305.	1.0	5
3	From containment to harm reduction from SARS-CoV-2: a fabric mask for enhanced effectiveness, comfort, and compliance. Journal of the Textile Institute, 2021, 112, 1144-1158.	1.0	18
4	Respiratory Protection Considerations for Healthcare Workers During the COVID-19 Pandemic. Health Security, 2020, 18, 237-240.	0.9	28
5	The wearables revolution and Big Data: the textile lineage. Journal of the Textile Institute, 2017, 108, 605-614.	1.0	17
6	Wearable Biomedical Systems and mHealth. , 2015, , 99-124.		0
7	A transdisciplinary approach to wearables, big data and quality of life. , 2014, 2014, 4155-8.		3
8	The Engineering Design of Intelligent Protective Textiles and Clothing. NATO Science for Peace and Security Series B: Physics and Biophysics, 2012, , 1-27.	0.2	4
9	Air permeability of multilayer woven fabric systems. Journal of the Textile Institute, 2011, 102, 189-202.	1.0	15
10	Wearable Biomedical Systems: Research to Reality. , 2007, , .		12
11	Wearable Sensor Systems: Opportunities and Challenges. , 2005, 2005, 4153-5.		5
12	Smart Textiles: Wearable Electronic Systems. MRS Bulletin, 2003, 28, 585-591.	1.7	254
13	Smart Textiles: A Platform for Sensing and Personalized Mobile Information-processing. Journal of the Textile Institute, 2003, 94, 87-98.	1.0	5
14	Adaptive and responsive textile structures (ARTS). , 2001, , 226-245.		25
15	A Structured Methodology for the Design and Development of Textile Structures in a Concurrent Engineering Framework. Journal of the Textile Institute, 1998, 89, 44-62.	1.0	30
16	Studies on Fiberâ€™Processâ€™Structureâ€™Property Relationships in Air-jet Spinning. Part I: The Effect of Process and Material Parameters on the Structure of Microdenier Polyester-fiber/Cotton Blended Yarns. Journal of the Textile Institute, 1998, 89, 214-242.	1.0	8
17	Studies on Fiberâ€™Processâ€™Structureâ€™Property Relationships in Air-jet Spinning. Part II: Model Development. Journal of the Textile Institute, 1998, 89, 243-265.	1.0	8
18	A Computer Simulation Approach for Engineering Air-Jet Spun Yarns. Textile Reseach Journal, 1997, 67, 223-230.	1.1	7

#	ARTICLE	IF	CITATIONS
19	Analysis of the Modeling Methodologies for Predicting the Strength of Air-Jet Spun Yarns. Textile Research Journal, 1997, 67, 39-44.	1.1	45
20	FDAS: A Knowledge-based Framework for Analysis of Defects in Woven Textile Structures. Journal of the Textile Institute, 1992, 83, 431-448.	1.0	103
21	FDAS: architecture and implementation. Expert Systems, 1992, 9, 115-124.	2.9	6
22	Three-Dimensional Multilayer Woven Preforms for Composites. ACS Symposium Series, 1991, , 53-80.	0.5	6
23	Designing a Textile Curriculum for the 1990s: A Rewarding Challenge. Journal of the Textile Institute, 1990, 81, 185-194.	1.0	20