

# Aditya Balu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8141088/publications.pdf>

Version: 2024-02-01

6  
papers

137  
citations

1684188

5  
h-index

2053705

5  
g-index

6  
all docs

6  
docs citations

6  
times ranked

139  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Case Study of Deep Reinforcement Learning for Engineering Design: Application to Microfluidic Devices for Flow Sculpting. Journal of Mechanical Design, Transactions of the ASME, 2019, 141, .	2.9	41
2	A Deep Learning Framework for Design and Analysis of Surgical Bioprosthetic Heart Valves. Scientific Reports, 2019, 9, 18560.	3.3	37
3	Algorithmically-consistent deep learning frameworks for structural topology optimization. Engineering Applications of Artificial Intelligence, 2021, 106, 104483.	8.1	26
4	Fast inverse design of microstructures via generative invariance networks. Nature Computational Science, 2021, 1, 229-238.	8.0	23
5	NURBS-Diff: A Differentiable Programming Module for NURBS. CAD Computer Aided Design, 2022, 146, 103199.	2.7	10
6	HyBoDT: Hybrid Bounded Distance Transforms of Trimmed NURBS Models. Journal of Computing and Information Science in Engineering, 2022, 22, .	2.7	0