

Surabhi N Simha

List of Publications by Year in descending order

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Version: 2024-02-01

7
papers

221
citations

1478280

6
h-index

1719901

7
g-index

11
all docs

11
docs citations

11
times ranked

164
citing authors

| # | ARTICLE | IF | CITATIONS |
|---|---|-----|-----------|
| 1 | An Overview on Principles for Energy Efficient Robot Locomotion. <i>Frontiers in Robotics and AI</i> , 2018, 5, 129. | 2.0 | 60 |
| 2 | Taking advantage of external mechanical work to reduce metabolic cost: the mechanics and energetics of split-belt treadmill walking. <i>Journal of Physiology</i> , 2019, 597, 4053-4068. | 1.3 | 51 |
| 3 | Using asymmetry to your advantage: learning to acquire and accept external assistance during prolonged split-belt walking. <i>Journal of Neurophysiology</i> , 2021, 125, 344-357. | 0.9 | 35 |
| 4 | How people initiate energy optimization and converge on their optimal gaits. <i>Journal of Experimental Biology</i> , 2019, 222, . | 0.8 | 28 |
| 5 | General variability leads to specific adaptation toward optimal movement policies. <i>Current Biology</i> , 2022, 32, 2222-2232.e5. | 1.8 | 22 |
| 6 | A Mechatronic System for Studying Energy Optimization During Walking. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2019, 27, 1416-1425. | 2.7 | 14 |
| 7 | Increasing the gradient of energetic cost does not initiate adaptation in human walking. <i>Journal of Neurophysiology</i> , 2021, 126, 440-450. | 0.9 | 3 |