

Kyogo Kawaguchi

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

881
citations

1163117

8
h-index

1199594

12
g-index

16
all docs

16
docs citations

16
times ranked

1287
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Topological defects control collective dynamics in neural progenitor cell cultures. <i>Nature</i> , 2017, 545, 327-331. | 27.8 | 281 |
| 2 | Spatiotemporal coordination of stem cell commitment during epidermal homeostasis. <i>Science</i> , 2016, 352, 1471-1474. | 12.6 | 191 |
| 3 | Homeostatic Epidermal Stem Cell Self-Renewal Is Driven by Local Differentiation. <i>Cell Stem Cell</i> , 2018, 23, 677-686.e4. | 11.1 | 163 |
| 4 | A large pool of actively cycling progenitors orchestrates self-renewal and injury repair of an ectodermal appendage. <i>Nature Cell Biology</i> , 2019, 21, 1102-1112. | 10.3 | 67 |
| 5 | Fluctuation theorem for hidden entropy production. <i>Physical Review E</i> , 2013, 88, 022147. | 2.1 | 56 |
| 6 | Nonequilibrium Dissipation-free Transport in F1-ATPase and the Thermodynamic Role of Asymmetric Allostereism. <i>Biophysical Journal</i> , 2014, 106, 2450-2457. | 0.5 | 45 |
| 7 | Entropy Production of Nanosystems with Time Scale Separation. <i>Physical Review Letters</i> , 2016, 117, 070601. | 7.8 | 32 |
| 8 | Dynamical crossover in a stochastic model of cell fate decision. <i>Physical Review E</i> , 2017, 96, 012401. | 2.1 | 13 |
| 9 | Invariance of steady-state thermodynamics between different scales of description. <i>Physical Review E</i> , 2015, 91, 012115. | 2.1 | 7 |
| 10 | Efficiency of Free Energy Transduction in Autonomous Systems. <i>Journal of the Physical Society of Japan</i> , 2011, 80, 083003. | 1.6 | 4 |
| 11 | Unattainability of Carnot efficiency in thermal motors: Coarse graining and entropy production of Feynman-Smoluchowski ratchets. <i>Physical Review E</i> , 2018, 98, 022102. | 2.1 | 4 |
| 12 | Activity-induced phase transition in a quantum many-body system. <i>Physical Review Research</i> , 2022, 4, . | 3.6 | 1 |
| 13 | Collective Behavior of Cells and Topological Defects. <i>Seibutsu Butsuri</i> , 2018, 58, 134-138. | 0.1 | 0 |
| 14 | Surface wetting by kinetic control of liquid-liquid phase separation. <i>Physical Review E</i> , 2021, 104, L042801. | 2.1 | 0 |