

Amirali Aghazadeh

List of Publications by Year in descending order

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Version: 2024-02-01

10
papers

376
citations

1307366

7
h-index

1372474

10
g-index

15
all docs

15
docs citations

15
times ranked

435
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Current progress and open challenges for applying deep learning across the biosciences. Nature Communications, 2022, 13, 1728. | 5.8 | 105 |
| 2 | Large dataset enables prediction of repair after CRISPR-Cas9 editing in primary T cells. Nature Biotechnology, 2019, 37, 1034-1037. | 9.4 | 87 |
| 3 | Data-driven semi-supervised and supervised learning algorithms for health monitoring of pipes. Mechanical Systems and Signal Processing, 2019, 131, 524-537. | 4.4 | 53 |
| 4 | Anomalous nanoparticle surface diffusion in LCTEM is revealed by deep learning-assisted analysis. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, . | 3.3 | 37 |
| 5 | Sparsity-based approaches for damage detection in plates. Mechanical Systems and Signal Processing, 2019, 117, 333-346. | 4.4 | 29 |
| 6 | On the sparsity of fitness functions and implications for learning. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, . | 3.3 | 21 |
| 7 | Epistatic Net allows the sparse spectral regularization of deep neural networks for inferring fitness functions. Nature Communications, 2021, 12, 5225. | 5.8 | 18 |
| 8 | Universal microbial diagnostics using random DNA probes. Science Advances, 2016, 2, e1600025. | 4.7 | 10 |
| 9 | Insense: Incoherent sensor selection for sparse signals. Signal Processing, 2018, 150, 57-65. | 2.1 | 6 |
| 10 | CRISPR and : Interpretable large-scale inference of DNA repair landscape based on a spectral approach. Bioinformatics, 2020, 36, i560-i568. | 1.8 | 6 |