

# Mark Robertson-Tessi

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7249621/publications.pdf>

Version: 2024-02-01

24  
papers

1,431  
citations

471509

17  
h-index

610901

24  
g-index

47  
all docs

47  
docs citations

47  
times ranked

1929  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Impact of Metabolic Heterogeneity on Tumor Growth, Invasion, and Treatment Outcomes. <i>Cancer Research</i> , 2015, 75, 1567-1579.  | 0.9  | 256       |
| 2  | A mathematical model of tumor-immune interactions. <i>Journal of Theoretical Biology</i> , 2012, 294, 56-73.  | 1.7  | 136       |
| 3  | Defining Cancer Subpopulations by Adaptive Strategies Rather Than Molecular Properties Provides Novel Insights into Intratumoral Evolution. <i>Cancer Research</i> , 2017, 77, 2242-2254. | 0.9  | 110       |
| 4  | Abscopal Benefits of Localized Radiotherapy Depend on Activated T-cell Trafficking and Distribution between Metastatic Lesions. <i>Cancer Research</i> , 2016, 76, 1009-1018.             | 0.9  | 103       |
| 5  | Acidity promotes tumour progression by altering macrophage phenotype in prostate cancer. <i>British Journal of Cancer</i> , 2019, 121, 556-566.   | 6.4  | 86        |
| 6  | The harsh microenvironment in early breast cancer selects for a Warburg phenotype. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .  | 7.1  | 78        |
| 7  | Turnover Modulates the Need for a Cost of Resistance in Adaptive Therapy. <i>Cancer Research</i> , 2021, 81, 1135-1147.   | 0.9  | 71        |
| 8  | Evolutionary dynamics of neoantigens in growing tumors. <i>Nature Genetics</i> , 2020, 52, 1057-1066.   | 21.4 | 68        |
| 9  | Hybrid Automata Library: A flexible platform for hybrid modeling with real-time visualization. <i>PLoS Computational Biology</i> , 2020, 16, e1007635.                                    | 3.2  | 68        |
| 10 | Normal tissue architecture determines the evolutionary course of cancer. <i>Nature Communications</i> , 2021, 12, 2060.   | 12.8 | 54        |
| 11 | Stochasticity in the Genotype-Phenotype Map: Implications for the Robustness and Persistence of Bet-Hedging. <i>Genetics</i> , 2016, 204, 1523-1539.                                      | 2.9  | 39        |
| 12 | The Goldilocks Window of Personalized Chemotherapy: Getting the Immune Response Just Right. <i>Cancer Research</i> , 2019, 79, 5302-5315.   | 0.9  | 38        |
| 13 | The Role of Toll-Like Receptors in Colorectal Cancer Progression: Evidence for Epithelial to Leucocytic Transition. <i>Frontiers in Immunology</i> , 2014, 5, 429.                        | 4.8  | 31        |
| 14 | Model genotype-phenotype mappings and the algorithmic structure of evolution. <i>Journal of the Royal Society Interface</i> , 2019, 16, 20190332.   | 3.4  | 28        |
| 15 | Spatial structure impacts adaptive therapy by shaping intra-tumoral competition. <i>Communications Medicine</i> , 2022, 2, .  | 4.2  | 26        |
| 16 | A model for effects of adaptive immunity on tumor response to chemotherapy and chemoimmunotherapy. <i>Journal of Theoretical Biology</i> , 2015, 380, 569-584.                            | 1.7  | 24        |
| 17 | The Immune Checkpoint Kick Start: Optimization of Neoadjuvant Combination Therapy Using Game Theory. <i>JCO Clinical Cancer Informatics</i> , 2019, 3, 1-12.                              | 2.1  | 22        |
| 18 | Fluctuating methylation clocks for cell lineage tracing at high temporal resolution in human tissues. <i>Nature Biotechnology</i> , 2022, 40, 720-730.                                    | 17.5 | 22        |

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 19 | Big Bang and context-driven collapse. <i>Nature Genetics</i> , 2015, 47, 196-197.   | 21.4 | 20        |
| 20 | Systematic Screening of Chemokines to Identify Candidates to Model and Create Ectopic Lymph Node Structures for Cancer Immunotherapy. <i>Scientific Reports</i> , 2017, 7, 15996. | 3.3  | 19        |
| 21 | Immunosuppressive niche engineering at the onset of human colorectal cancer. <i>Nature Communications</i> , 2022, 13, 1798.   | 12.8 | 19        |
| 22 | Searching for Goldilocks: How Evolution and Ecology Can Help Uncover More Effective Patient-Specific Chemotherapies. <i>Cancer Research</i> , 2020, 80, 5147-5154.                | 0.9  | 11        |
| 23 | The role of memory in non-genetic inheritance and its impact on cancer treatment resistance. <i>PLoS Computational Biology</i> , 2021, 17, e1009348.                              | 3.2  | 11        |
| 24 | Roadmap on plasticity and epigenetics in cancer. <i>Physical Biology</i> , 2022, 19, 031501.  | 1.8  | 8         |