

C Athena Aktipis

List of Publications by Year in descending order

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Version: 2024-02-01

69
papers

4,731
citations

159585

30
h-index

106344

65
g-index

87
all docs

87
docs citations

87
times ranked

6729
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Pan-cancer analysis of the extent and consequences of intratumor heterogeneity. <i>Nature Medicine</i> , 2016, 22, 105-113. | 30.7 | 629 |
| 2 | Know when to walk away: contingent movement and the evolution of cooperation. <i>Journal of Theoretical Biology</i> , 2004, 231, 249-260. | 1.7 | 342 |
| 3 | Is eating behavior manipulated by the gastrointestinal microbiota? Evolutionary pressures and potential mechanisms. <i>BioEssays</i> , 2014, 36, 940-949. | 2.5 | 328 |
| 4 | Cancer across the tree of life: cooperation and cheating in multicellularity. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2015, 370, 20140219. | 4.0 | 303 |
| 5 | Classifying the evolutionary and ecological features of neoplasms. <i>Nature Reviews Cancer</i> , 2017, 17, 605-619. | 28.4 | 303 |
| 6 | The Ecology of Entrainment: Foundations of Coordinated Rhythmic Movement. <i>Music Perception</i> , 2010, 28, 3-14. | 1.1 | 260 |
| 7 | Life history trade-offs in cancer evolution. <i>Nature Reviews Cancer</i> , 2013, 13, 883-892. | 28.4 | 207 |
| 8 | The animal nature of spontaneous human laughter. <i>Evolution and Human Behavior</i> , 2014, 35, 327-335. | 2.2 | 182 |
| 9 | Evolutionary foundations for cancer biology. <i>Evolutionary Applications</i> , 2013, 6, 144-159. | 3.1 | 168 |
| 10 | Risk-Pooling and Herd Survival: An Agent-Based Model of a Maasai Gift-Giving System. <i>Human Ecology</i> , 2011, 39, 131-140. | 1.4 | 120 |
| 11 | Modularity and the Social Mind. <i>Personality and Social Psychology Review</i> , 2007, 11, 131-149. | 6.0 | 115 |
| 12 | Fetal microchimerism and maternal health: A review and evolutionary analysis of cooperation and conflict beyond the womb. <i>BioEssays</i> , 2015, 37, 1106-1118. | 2.5 | 113 |
| 13 | Is cooperation viable in mobile organisms? Simple Walk Away rule favors the evolution of cooperation in groups. <i>Evolution and Human Behavior</i> , 2011, 32, 263-276. | 2.2 | 107 |
| 14 | The role of citizen science in addressing grand challenges in food and agriculture research. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20181977. | 2.6 | 97 |
| 15 | Kombucha: a novel model system for cooperation and conflict in a complex multi-species microbial ecosystem. <i>PeerJ</i> , 2019, 7, e7565. | 2.0 | 89 |
| 16 | Overlooking Evolution: A Systematic Analysis of Cancer Relapse and Therapeutic Resistance Research. <i>PLoS ONE</i> , 2011, 6, e26100. | 2.5 | 88 |
| 17 | Understanding cooperation through fitness interdependence. <i>Nature Human Behaviour</i> , 2018, 2, 429-431. | 12.0 | 86 |
| 18 | An ecological measure of immune-cancer colocalization as a prognostic factor for breast cancer. <i>Breast Cancer Research</i> , 2015, 17, 131. | 5.0 | 81 |

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|----|---|------|-----------|
| 19 | The Role of the Microbiome in Cancer Initiation and Progression: How Microbes and Cancer Cells Utilize Excess Energy and Promote One Another's Growth. <i>Current Nutrition Reports</i> , 2019, 8, 42-51. | 4.3 | 80 |
| 20 | Cross-cultural invariances in the architecture of shame. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 9702-9707. | 7.1 | 72 |
| 21 | Cooperation in an Uncertain World: For the Maasai of East Africa, Need-Based Transfers Outperform Account-Keeping in Volatile Environments. <i>Human Ecology</i> , 2016, 44, 353-364. | 1.4 | 63 |
| 22 | Identifying key questions in the ecology and evolution of cancer. <i>Evolutionary Applications</i> , 2021, 14, 877-892. | 3.1 | 58 |
| 23 | The pandemic exposes human nature: 10 evolutionary insights. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 27767-27776. | 7.1 | 57 |
| 24 | Lifetime cancer prevalence and life history traits in mammals. <i>Evolution, Medicine and Public Health</i> , 2020, 2020, 187-195. | 2.5 | 56 |
| 25 | Natural Selection in Cancer Biology: From Molecular Snowflakes to Trait Hallmarks. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2017, 7, a029652. | 6.2 | 48 |
| 26 | Cancer susceptibility and reproductive trade-offs: a model of the evolution of cancer defences. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2015, 370, 20140220. | 4.0 | 43 |
| 27 | Need-based transfers on a network: a model of risk-pooling in ecologically volatile environments. <i>Evolution and Human Behavior</i> , 2015, 36, 265-273. | 2.2 | 43 |
| 28 | Dispersal Evolution in Neoplasms: The Role of Disregulated Metabolism in the Evolution of Cell Motility. <i>Cancer Prevention Research</i> , 2012, 5, 266-275. | 1.5 | 38 |
| 29 | Principles of cooperation across systems: from human sharing to multicellularity and cancer. <i>Evolutionary Applications</i> , 2016, 9, 17-36. | 3.1 | 37 |
| 30 | Resource conflict and cooperation between human host and gut microbiota: implications for nutrition and health. <i>Annals of the New York Academy of Sciences</i> , 2016, 1372, 20-28. | 3.8 | 36 |
| 31 | Control vs. eradication: Applying infectious disease treatment strategies to cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 937-938. | 7.1 | 35 |
| 32 | Modern reproductive patterns associated with estrogen receptor positive but not negative breast cancer susceptibility. <i>Evolution, Medicine and Public Health</i> , 2015, 2015, 52-74. | 2.5 | 30 |
| 33 | Cancer initiation and progression within the cancer microenvironment. <i>Clinical and Experimental Metastasis</i> , 2018, 35, 361-367. | 3.3 | 30 |
| 34 | Transient commensal clonal interactions can drive tumor metastasis. <i>Nature Communications</i> , 2020, 11, 5799. | 12.8 | 30 |
| 35 | Social Feeding Behavior of <i>Trichoplax adhaerens</i> . <i>Frontiers in Ecology and Evolution</i> , 2019, 7, . | 2.2 | 26 |
| 36 | An evolutionary explanation for the presence of cancer nonstem cells in neoplasms. <i>Evolutionary Applications</i> , 2013, 6, 92-101. | 3.1 | 25 |

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|----|---|------|-----------|
| 37 | Kin terms and fitness interdependence. <i>Evolution and Human Behavior</i> , 2019, 40, 281-291. | 2.2 | 25 |
| 38 | Friendship jealousy: One tool for maintaining friendships in the face of third-party threats?. <i>Journal of Personality and Social Psychology</i> , 2021, 120, 977-1012. | 2.8 | 25 |
| 39 | Managing Risk Through Cooperation: Need-Based Transfers and Risk Pooling Among the Societies of the Human Generosity Project. <i>Studies in Human Ecology and Adaptation</i> , 2019, , 41-75. | 0.6 | 20 |
| 40 | Inclusive fitness effects can select for cancer suppression into old age. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2015, 370, 20150160. | 4.0 | 19 |
| 41 | Generosity among the Ik of Uganda. <i>Evolutionary Human Sciences</i> , 2020, 2, . | 1.7 | 17 |
| 42 | The status of evolutionary medicine education in North American medical schools. <i>BMC Medical Education</i> , 2015, 15, 38. | 2.4 | 16 |
| 43 | Feedback enhances greening during disaster recovery: A model of social and ecological processes in neighborhood scale investment. <i>Urban Forestry and Urban Greening</i> , 2018, 34, 269-280. | 5.3 | 16 |
| 44 | Life History Trade-Offs in Tumors. <i>Current Pathobiology Reports</i> , 2018, 6, 201-207. | 3.4 | 14 |
| 45 | Cooperation and cheating as innovation: insights from cellular societies. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017, 372, 20160421. | 4.0 | 12 |
| 46 | An agent-based model of the female rivalry hypothesis for concealed ovulation in humans. <i>Nature Human Behaviour</i> , 2021, 5, 726-735. | 12.0 | 11 |
| 47 | Design principles for risk-pooling systems. <i>Nature Human Behaviour</i> , 2021, 5, 825-833. | 12.0 | 11 |
| 48 | Younger people and people with higher subjective SES experienced more negative effects of the pandemic on their friendships. <i>Personality and Individual Differences</i> , 2022, 185, 111246. | 2.9 | 10 |
| 49 | Upregulation of DNA repair genes and cell extrusion underpin the remarkable radiation resistance of <i>Trichoplax adhaerens</i> . <i>PLoS Biology</i> , 2021, 19, e3001471. | 5.6 | 9 |
| 50 | Parental investment without kin recognition: simple conditional rules for parent-offspring behavior. <i>Behavioral Ecology and Sociobiology</i> , 2011, 65, 1079-1091. | 1.4 | 8 |
| 51 | Status does not predict stress: Women in an egalitarian hunter-gatherer society. <i>Evolutionary Human Sciences</i> , 2020, 2, . | 1.7 | 7 |
| 52 | Sex (similarities and) differences in friendship jealousy. <i>Evolution and Human Behavior</i> , 2022, 43, 97-106. | 2.2 | 7 |
| 53 | Energy oversupply to tissues: a single mechanism possibly underlying multiple cancer risk factors. <i>Evolution, Medicine and Public Health</i> , 2019, 2019, 9-16. | 2.5 | 6 |
| 54 | Need-based transfer systems are more vulnerable to cheating when resources are hidden. <i>Evolution and Human Behavior</i> , 2021, 42, 104-112. | 2.2 | 6 |

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|----|---|-----|-----------|
| 55 | Sacredness as an implied threat of supernatural punishment: the case of need-based transfers. Religion, Brain and Behavior, 2018, 8, 282-285. | 0.7 | 5 |
| 56 | “A Solidarity-Type World” Need-Based Helping among Ranchers in the Southwestern United States. Human Nature, 2021, 32, 482-508. | 1.6 | 5 |
| 57 | Social status does not predict in-camp integration among egalitarian hunter-gatherer men. Behavioral Ecology, 2022, 33, 65-76. | 2.2 | 5 |
| 58 | Resistance Is Mobile: The Accelerating Evolution of Mobile Genetic Elements Encoding Resistance. Journal of Evolutionary Medicine, 2014, 2, 1-3. | 0.5 | 5 |
| 59 | Life history theory and breast cancer risk: methodological and theoretical challenges. Evolution, Medicine and Public Health, 2016, 2016, 177-179. | 2.5 | 4 |
| 60 | Need-Based Transfers Enhance Resilience to Shocks: An Agent-Based Model of a Maasai Risk-Pooling System. Human Ecology, 2022, 50, 35-48. | 1.4 | 4 |
| 61 | Choosing Carbon Mitigation Strategies Using Ethical Deliberation. Weather, Climate, and Society, 2010, 2, 140-147. | 1.1 | 3 |
| 62 | Common knowledge promotes risk pooling in an experimental economic game. PLoS ONE, 2019, 14, e0220682. | 2.5 | 3 |
| 63 | Do Smartphones Create a Coordination Problem for Face-to-Face Interaction? Leveraging Game Theory to Understand and Solve the Smartphone Dilemma. BioEssays, 2020, 42, 1800261. | 2.5 | 3 |
| 64 | Can some microbes promote host stress and benefit evolutionarily from this strategy?. BioEssays, 2021, 43, e2000188. | 2.5 | 3 |
| 65 | Mother-in-Law Daughter-in-Law Conflict: an Evolutionary Perspective and Report of Empirical Data from the USA. Evolutionary Psychological Science, 2022, 8, 56-71. | 1.3 | 3 |
| 66 | Does placental invasiveness lead to higher rates of malignant transformation in mammals?. Evolution, Medicine and Public Health, 2020, 2020, 215-216. | 2.5 | 1 |
| 67 | Generosity among the Ik of Uganda “ Corrigendum. Evolutionary Human Sciences, 2021, 3, . | 1.7 | 0 |
| 68 | Endless Forms Most Beautiful: A Garden Shows That Cancer Is a Part of Life. Leonardo, 2021, 54, 398-401. | 0.3 | 0 |
| 69 | Identity fusion and fitness interdependence. Behavioral and Brain Sciences, 2018, 41, e199. | 0.7 | 0 |