Common ecology quantifies human insurgency

Nature

462, 911-914

DOI: 10.1038/nature08631

Citation Report

#	Article	IF	CITATIONS
1	Commentary: Ensuring health statistics in conflict are evidence-based. Conflict and Health, 2010, 4, 10.	1.0	2
2	Decentralize, adapt and cooperate. Nature, 2010, 465, 292-293.	13.7	19
3	Effect of social group dynamics on contagion. Physical Review E, 2010, 81, 056107.	0.8	33
4	Pattern qualifications and examples of next-generation agile system-security strategies. , 2010, , .		13
5	Multirelational organization of large-scale social networks in an online world. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 13636-13641.	3.3	726
6	Collective Response of Human Populations to Large-Scale Emergencies. PLoS ONE, 2011, 6, e17680.	1.1	233
7	Diffusion patterns of violence in civil wars. Political Geography, 2011, 30, 143-152.	1.3	111
8	Good Fences: The Importance of Setting Boundaries for Peaceful Coexistence. SSRN Electronic Journal, 2011, , .	0.4	2
9	Impact of the Topology of Global Macroeconomic Network on the Spreading of Economic Crises. PLoS ONE, 2011, 6, e18443.	1.1	74
10	The Birth-Death-Mutation Process: A New Paradigm for Fat Tailed Distributions. PLoS ONE, 2011, 6, e26480.	1.1	19
11	Identifying Agile Security Patterns in Adversarial Stigmergic Systems. Incose International Symposium, 2011, 21, 3338-3354.	0.2	3
12	Equivalent dynamical complexity in a many-body quantum and collective human system. AIP Advances, 2011, 1, 012114.	0.6	16
13	Models of coalition or alliance formation. Journal of Theoretical Biology, 2011, 274, 187-204.	0.8	74
14	Application of a quantum ensemble model to linguistic analysis. Physica A: Statistical Mechanics and Its Applications, 2011, 390, 1326-1331.	1.2	13
15	Pattern in Escalations in Insurgent and Terrorist Activity. Science, 2011, 333, 81-84.	6.0	75
16	Effects of dynamical grouping on cooperation in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>N</mml:mi>-person evolutionary snowdrift game. Physical Review E. 2011. 84. 036113.</mml:math 	0.8	15
17	Testing Clausewitz: Nationalism, Mass Mobilization, and the Severity of War. International Organization, 2011, 65, 605-638.	3.6	46
18	An agent–vector–host–environment model for controlling small arms and light weapons. Medicine, Conflict and Survival, 2011, 27, 111-127.	0.3	9

#	Article	IF	CITATIONS
19	Towards the Modest Predictability of Daily Burglary Counts. Policing (Oxford), 2012, 6, 167-176.	0.9	6
20	Scale-free behavior of displacement bursts: Lower limit and scaling exponent. Europhysics Letters, 2012, 100, 16005.	0.7	16
21	Self-Similarity in World Economy. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 583-586.	0.4	0
24	Natural Security: 3.5 Billion Years of Adapting to Novel Threats. Political Insight, 2012, 3, 12-15.	0.2	0
25	Exploratory of society. European Physical Journal: Special Topics, 2012, 214, 347-360.	1.2	8
26	Fractal behind coin-reducing payment. Chaos, Solitons and Fractals, 2012, 45, 1058-1066.	2.5	3
27	Evolution of groups with a hierarchical structure. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 5978-5986.	1.2	0
28	Modeling Armed Conflicts. Science, 2012, 336, 865-869.	6.0	34
29	Why Society is a Complex Matter., 2012,,.		101
30	Global Civil Unrest: Contagion, Self-Organization, and Prediction. PLoS ONE, 2012, 7, e48596.	1.1	7 5
30	Global Civil Unrest: Contagion, Self-Organization, and Prediction. PLoS ONE, 2012, 7, e48596. Modeling civil violence in Afghanistan: Ethnic geography, control, and collaboration. Complexity, 2012, 17, 42-51.	0.9	75 10
	Modeling civil violence in Afghanistan: Ethnic geography, control, and collaboration. Complexity,		
31	Modeling civil violence in Afghanistan: Ethnic geography, control, and collaboration. Complexity, 2012, 17, 42-51. A review of power laws in real life phenomena. Communications in Nonlinear Science and Numerical	0.9	10
31	Modeling civil violence in Afghanistan: Ethnic geography, control, and collaboration. Complexity, 2012, 17, 42-51. A review of power laws in real life phenomena. Communications in Nonlinear Science and Numerical Simulation, 2012, 17, 3558-3578. Space–Time Modeling of Insurgency and Counterinsurgency in Iraq. Journal of Quantitative	0.9	10
31 32 33	Modeling civil violence in Afghanistan: Ethnic geography, control, and collaboration. Complexity, 2012, 17, 42-51. A review of power laws in real life phenomena. Communications in Nonlinear Science and Numerical Simulation, 2012, 17, 3558-3578. Space–Time Modeling of Insurgency and Counterinsurgency in Iraq. Journal of Quantitative Criminology, 2012, 28, 31-48. Microcycles of Violence: Evidence from Terrorist Attacks by ETA and the FMLN. Journal of	0.9 1.7 2.0	10 119 86
31 32 33	Modeling civil violence in Afghanistan: Ethnic geography, control, and collaboration. Complexity, 2012, 17, 42-51. A review of power laws in real life phenomena. Communications in Nonlinear Science and Numerical Simulation, 2012, 17, 3558-3578. Space–Time Modeling of Insurgency and Counterinsurgency in Iraq. Journal of Quantitative Criminology, 2012, 28, 31-48. Microcycles of Violence: Evidence from Terrorist Attacks by ETA and the FMLN. Journal of Quantitative Criminology, 2012, 28, 49-75.	0.9 1.7 2.0	10 119 86 53
31 32 33 34 35	Modeling civil violence in Afghanistan: Ethnic geography, control, and collaboration. Complexity, 2012, 17, 42-51. A review of power laws in real life phenomena. Communications in Nonlinear Science and Numerical Simulation, 2012, 17, 3558-3578. Space–Time Modeling of Insurgency and Counterinsurgency in Iraq. Journal of Quantitative Criminology, 2012, 28, 31-48. Microcycles of Violence: Evidence from Terrorist Attacks by ETA and the FMLN. Journal of Quantitative Criminology, 2012, 28, 49-75. Modeling Insurgent Dynamics Including Heterogeneity. Journal of Statistical Physics, 2013, 151, 395-413. Troy: A simple nonlinear mathematical perspective. Physica A: Statistical Mechanics and Its	0.9 1.7 2.0 2.0 0.5	10 119 86 53

#	ARTICLE	IF	Citations
39	Hidden power law patterns in the top European football leagues. Physica A: Statistical Mechanics and Its Applications, 2013, 392, 5376-5386.	1.2	11
40	Power Law and Entropy Analysis of Catastrophic Phenomena. Mathematical Problems in Engineering, 2013, 2013, 1-10.	0.6	10
41	The Effects of Decision-Making Processes and Population Turnover on the Formation of Social Networks. Mathematical Problems in Engineering, 2013, 2013, 1-7.	0.6	0
42	Analyzing Behavior Within Networks After Fragmentation. The Coagulant Agent Approach. International Review of Social Research, 2013, 3, 53-61.	0.3	0
43	WikiLeaks and Iraq Body Count: the Sum of Parts May Not Add Up to the Wholeâ€"A Comparison of Two Tallies of Iraqi Civilian Deaths. Prehospital and Disaster Medicine, 2013, 28, 223-229.	0.7	19
44	On simulating the resilience of military hub and spoke networks. , 2013, , .		0
45	Violent extremist group ecologies under stress. Scientific Reports, 2013, 3, 1544.	1.6	11
46	Understanding Recurrent Crime as System-Immanent Collective Behavior. PLoS ONE, 2013, 8, e76063.	1.1	56
47	Terrorist Attacks Escalate in Frequency and Fatalities Preceding Highly Lethal Attacks. PLoS ONE, 2014, 9, e93732.	1.1	9
48	Good Fences: The Importance of Setting Boundaries for Peaceful Coexistence. PLoS ONE, 2014, 9, e95660.	1.1	14
49	War Size Distribution: Empirical Regularities Behind the Conflicts. SSRN Electronic Journal, 0, , .	0.4	1
50	Can Civilian Attitudes Predict Civil War Violence?. SSRN Electronic Journal, 0, , .	0.4	6
51	Temporal network approach to unraveling collective neuron firings. Journal of Complex Networks, 2014, 2, 74-84.	1.1	1
52	Views to a war: systematic differences in media and military reporting of the war in Iraq. EPJ Data Science, 2014, 3, .	1.5	7
53	The make-up of stars. , 2014, , .		0
54	The epidemiology of lethal violence in Darfur: Using micro-data to explore complex patterns of ongoing armed conflict. Social Science and Medicine, 2014, 120, 368-377.	1.8	30
55	Bits or shots in combat? The generalized Deitchman model of guerrilla warfare. Operations Research Letters, 2014, 42, 102-108.	0.5	11
56	Dynamic population mapping using mobile phone data. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 15888-15893.	3.3	633

#	Article	IF	CITATIONS
57	Mathematical Methods in Engineering. , 2014, , .		5
58	Double power laws, fractals and self-similarity. Applied Mathematical Modelling, 2014, 38, 4019-4026.	2.2	19
59	Internal character dictates transition dynamics between isolation and cohesive grouping. Physical Review E, 2015, 92, 062803.	0.8	4
60	Demography-based adaptive network model reproduces the spatial organization of human linguistic groups. Physical Review E, 2015, 92, 062811.	0.8	1
61	Short-Term Forecasting of Taiwanese Earthquakes Using a Universal Model of Fusion-Fission Processes. Scientific Reports, 2014, 4, 3624.	1.6	7
63	Power law analysis of the human microbiome. Molecular Ecology, 2015, 24, 5428-5445.	2.0	57
64	The Political Economy of Conflict in South Asia. , 2015, , .		5
65	The implications of empirical data for risk. Journal of Risk Research, 2015, 18, 521-538.	1.4	2
66	Using Power Laws to Estimate Conflict Size. Journal of Conflict Resolution, 2015, 59, 1216-1241.	1.1	26
67	Coalitions in theory and reality: aÂreview of pertinent variables and processes. Behaviour, 2015, 152, 1-56.	0.4	82
68	Agent based modeling of the coevolution of hostility and pacifism. International Journal of Modern Physics C, 2015, 26, 1550098.	0.8	1
69	Power Law Behavior and Self-Similarity in Modern Industrial Accidents. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2015, 25, 1550004.	0.7	5
70	Quantifying Information Flow During Emergencies. Scientific Reports, 2015, 4, 3997.	1.6	46
71	Universal bursty behaviour in human violent conflicts. Scientific Reports, 2015, 4, 4773.	1.6	23
73	When Lanchester met Richardson, the outcome was stalemate: A parable for mathematical models of insurgency. Journal of the Operational Research Society, 2015, 66, 191-201.	2.1	13
74	Size of genera – biology or taxonomy?. Zoologica Scripta, 2015, 44, 106-116.	0.7	14
75	OR, Defence and Security. , 2015, , .		0
76	A review on the characterization of signals and systems by power law distributions. Signal Processing, 2015, 107, 246-253.	2.1	17

#	ARTICLE	IF	Citations
77	Saving Human Lives: What Complexity Science and Information Systems can Contribute. Journal of Statistical Physics, 2015, 158, 735-781.	0.5	467
80	The Asian Correction Can Be Quantitatively Forecasted Using a Statistical Model of Fusion-Fission Processes. PLoS ONE, 2016, 11, e0163842.	1.1	5
82	Understanding the group dynamics and success of teams. Royal Society Open Science, 2016, 3, 160007.	1.1	41
83	Modelling insurgent attack dynamics across geographic scales and in cyberspace. European Journal of Applied Mathematics, 2016, 27, 357-376.	1.4	2
84	War Size Distribution: Empirical Regularities Behind Conflicts. Defence and Peace Economics, 2016, 27, 838-853.	1.0	8
85	Efficient computational testing of scale-free behavior in real-world systems. Journal of Computational Science, 2016, 12, 77-82.	1.5	0
86	Evaluating the efficacy of indigenous forces in counterinsurgency: Lessons from Chechnya and Dagestan. Small Wars and Insurgencies, 2016, 27, 392-416.	0.6	15
87	Association between volume and momentum of online searches and real-world collective unrest. Results in Physics, 2016, 6, 414-419.	2.0	3
88	Formation of raiding parties for intergroup violence is mediated by social network structure. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 12114-12119.	3.3	68
89	Security, Evolution and., 2016, , 10-15.		0
90	Building predictive models of counterinsurgent deaths using robust clustering and regression. Journal of Defense Modeling and Simulation, 2016, 13, 449-465.	1.2	4
91	New online ecology of adversarial aggregates: ISIS and beyond. Science, 2016, 352, 1459-1463.	6.0	83
92	Pitfalls in Military Quantitative Intelligence Analysis: Incident Reporting in a Low Intensity Conflict. Intelligence and National Security, 2016, 31, 49-73.	0.3	10
93	Conflict dynamics and costs in the Greek Civil War 1946–1949. Defence and Peace Economics, 2016, 27, 688-717.	1.0	9
94	Quantitative patterns in drone wars. Physica A: Statistical Mechanics and Its Applications, 2016, 443, 380-384.	1.2	2
95	Geographic determinants of indiscriminate violence in civil wars. Conflict Management and Peace Science, 2017, 34, 380-405.	1.0	14
97	Can civilian attitudes predict insurgent violence? Ideology and insurgent tactical choice in civil war. Journal of Peace Research, 2017, 54, 47-63.	1.5	33
98	Outcome-oriented moral evaluation in terrorists. Nature Human Behaviour, 2017, 1, .	6.2	47

#	Article	IF	CITATIONS
99	Power-law relaxation in human violent conflicts. European Physical Journal B, 2017, 90, 1.	0.6	2
100	Modeling the emergence of riots: A geosimulation approach. Computers, Environment and Urban Systems, 2017, 61, 66-80.	3.3	33
101	Analyses of a Virtual World. Understanding Complex Systems, 2017, , 115-130.	0.3	1
102	A model of task-deletion mechanism based on the priority queueing system of Barab \tilde{A}_i si. Physica A: Statistical Mechanics and Its Applications, 2017, 466, 415-421.	1.2	1
103	Estimating the number of casualties in the American Indian war: A Bayesian analysis using the power law distribution. Annals of Applied Statistics, 2017, 11, .	0.5	7
104	Size Matters. Sociological Methods and Research, 2018, 47, 351-383.	4.3	70
105	Stationary mass distribution and nonlocality in models of coalescence and shattering. Physical Review E, 2018, 97, 022137.	0.8	18
106	Security by facility design for sabotage protection. Journal of Nuclear Science and Technology, 2018, 55, 559-567.	0.7	3
107	Bursty Human Dynamics. SpringerBriefs in Complexity, 2018, , .	0.1	93
108	An Unintended Effect of Financing the University Education of the Most Brilliant and Poorest Colombian Students: The Case of the Intervention of the Ser Pilo Paga Program. Complexity, 2018, 2018, 1-9.	0.9	2
109	Universality in a class of fragmentation-coalescence processes. Annales De L'institut Henri Poincare (B) Probability and Statistics, 2018, 54, .	0.7	3
110	Fundamental patterns and predictions of event size distributions in modern wars and terrorist campaigns. PLoS ONE, 2018, 13, e0204639.	1.1	14
111	Criticality, Entropy and Conflict. Systems Research and Behavioral Science, 2018, 35, 746-758.	0.9	5
112	Generalized Gelation Theory Describes Onset of Online Extremist Support. Physical Review Letters, 2018, 121, 048301.	2.9	11
113	Demographic transition and factors associated with remaining in place after the 2011 Fukushima nuclear disaster and related evacuation orders. PLoS ONE, 2018, 13, e0194134.	1.1	20
114	Quantifying the future lethality of terror organizations. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 21463-21468.	3.3	8
115	Disarming Ex-Combatants' Minds: Toward Situated Reintegration Process in Post-conflict Colombia. Frontiers in Psychology, 2019, 10, 73.	1.1	15
116	A predictive model of societal landslide risk in Italy. Earth-Science Reviews, 2019, 196, 102849.	4.0	52

#	Article	IF	Citations
117	An Agent-Based Model for Emergent Opponent Behavior. Lecture Notes in Computer Science, 2019, , 290-303.	1.0	4
118	Terrorism risk and optimal policy response: theory and empirics. Indian Growth and Development Review, 2019, 13, 449-468.	0.5	0
119	Collaboration Drives Individual Productivity. Proceedings of the ACM on Human-Computer Interaction, 2019, 3, 1-24.	2.5	11
120	Gang confrontation: The case of Medellin (Colombia). PLoS ONE, 2019, 14, e0225689.	1.1	1
121	Common statistical patterns in urban terrorism. Royal Society Open Science, 2019, 6, 190645.	1.1	9
122	The exacerbating effect of police presence: A multivariate point process analysis of the Naxal conflict. Political Geography, 2019, 68, 12-22.	1.3	6
123	The Global Law of Terror Organization Lifespan. Terrorism and Political Violence, 2020, 32, 1636-1665.	1.3	1
124	On the learning patterns and adaptive behavior of terrorist organizations. European Journal of Operational Research, 2020, 282, 221-234.	3.5	14
125	Impact of wars on the evolution of civilizations. Physica A: Statistical Mechanics and Its Applications, 2020, 539, 122881.	1.2	3
126	Analyzing enterprise information system's feature use: a data-driven perspective. Information Technology and People, 2021, 34, 375-398.	1.9	2
127	The Dynamics of Implicit Intergroup Biases of Victims and Ex-combatants in Post-conflict Scenarios. Journal of Interpersonal Violence, 2022, 37, NP9295-NP9319.	1.3	1
128	Scale-Independent Aggression: A Fractal Analysis of Four Levels of Human Aggression. Complexity, 2020, 2020, 1-8.	0.9	0
129	Unifying casualty distributions within and across conflicts. Heliyon, 2020, 6, e04808.	1.4	1
130	Pattern Informatics and the Soup-of-Groups Model of Earthquakes: A Case Study of Italian Seismicity. Pure and Applied Geophysics, 2020, 177, 4089-4096.	0.8	2
131	A computational science approach to understanding human conflict. Journal of Computational Science, 2020, 46, 101088.	1.5	4
132	Brain Metastases: Insights from Statistical Modeling of Size Distribution. American Journal of Neuroradiology, 2020, 41, 579-582.	1.2	2
133	Integrating the Quantitative Research on the Onset and Incidence of Violent Intrastate Conflicts. International Studies Review, 2021, 23, 115-139.	0.8	3
134	Microcycles of Terrorist Violence in Turkey: a Spatio-temporal Analysis of the PKK Attacks. Asian Journal of Criminology, 2021, 16, 235-256.	1.1	3

#	Article	IF	Citations
135	CATASTROPHE AND RATIONAL POLICY: CASE OF NATIONAL SECURITY. Economic Inquiry, 2021, 59, 140-161.	1.0	2
136	Uncovering social-contextual and individual mental health factors associated with violence via computational inference. Patterns, 2021, 2, 100176.	3.1	8
137	Stochastic gel-shatter cycles in coalescence-fragmentation models. Europhysics Letters, 2021, 133, 53001.	0.7	1
138	Density fluctuation analysis very near above and below critical point using morphological and spatiotemporal information. European Physical Journal Plus, 2021, 136, 1.	1.2	2
139	Online social cohesion reflects real-world group action in Syria during the Arab Spring. PLoS ONE, 2021, 16, e0254087.	1.1	3
140	Stochastic Modeling of Non-linear Terrorism Dynamics. Journal of Homeland Security and Emergency Management, 2021, 18, 251-281.	0.2	0
141	Association between population distribution and urban GDP scaling. PLoS ONE, 2021, 16, e0245771.	1.1	15
143	On the Frequency and Severity of Interstate Wars. Pioneers in Arts, Humanities, Science, Engineering, Practice, 2020, , 113-127.	0.1	8
145	Global Comparison of Warring Groups in 2002–2007: Fatalities from Targeting Civilians vs. Fighting Battles. PLoS ONE, 2011, 6, e23976.	1.1	6
146	The Power Laws of Violence against Women: Rescaling Research and Policies. PLoS ONE, 2012, 7, e40289.	1.1	6
147	The Developmental Dynamics of Terrorist Organizations. PLoS ONE, 2012, 7, e48633.	1.1	59
148	Strategic Network Interdiction. SSRN Electronic Journal, 0, , .	0.4	2
149	How to Save Human Lives with Complexity Science. SSRN Electronic Journal, 0, , .	0.4	8
150	Die Blutspur des Vetos: Eine Prognose zur Gefahr von extremen Massakern in Syrien. Zeitschrift F $ ilde{A}^{1/4}$ r Friedens- Und Konfliktforschung, 2013, 2, 6-31.	0.5	1
151	Spatiotemporal behaviors of the ridership of a public transportation system during an epidemic outbreak: case of MERS in Seoul. Journal of the Korean Physical Society, 2021, , 1-9.	0.3	1
152	Strategic network interdiction. , 2010, , .		2
153	Statistical Properties of Social Group Evolution. , 2011, , 38-56.		0
154	Escalation, Timing and Severity of Insurgent and Terrorist Events: Toward a Unified Theory of Future Threats. SSRN Electronic Journal, 0, , .	0.4	O

#	Article	IF	CITATIONS
155	From Increased Availability to Increased Productivity: How Researchers Benefit from Online Resources., 2013,, 261-279.		0
156	Large-Scale Conflicts in Massively Multiplayer Online Games. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2013, , 40-51.	0.2	0
158	A Survival Analysis of the Onset of Peace in South Asia. , 2015, , 211-226.		0
159	When Lanchester Met Richardson, the Outcome Was Stalemate: A Parable for Mathematical Models of Insurgency., 2015,, 124-147.		1
160	The Greek Civil War 1946–1949: Main Events and Data. , 2016, , 13-24.		0
161	Testing Richardson's Law: A (Cautionary) Note on Power Laws in Violence Data. SSRN Electronic Journal, 0, , .	0.4	5
162	Advances in Data on Conflict and Dissent. Computational Social Sciences, 2020, , 23-41.	0.4	5
163	Large scale analysis of violent death count in daily newspapers to quantify bias and censorship. Journal of Big Data, 2020, 7, .	6.9	0
164	Führung und Entscheidung im Wirtschaftskrieg. , 2020, , 505-601.		0
166	Complex Adaptive Information Networks for Defence. Advances in Information Security, Privacy, and Ethics Book Series, 0, , 216-240.	0.4	0
168	Promises and pitfalls of computational modelling for insurgency conflicts. Journal of Defense Modeling and Simulation, 2023, 20, 333-350.	1.2	0
169	Hypothetical Control of Fatal Quarrel Variability. Entropy, 2021, 23, 1693.	1.1	0
170	Guns and lightning: Power law distributions in intrastate conflict intensity dynamics. Conflict Management and Peace Science, 2023, 40, 373-397.	1.0	0
171	Why the Studio System Is Gone With the Wind In Hollywood â€"But Not In Baseball. SSRN Electronic Journal, 0, , .	0.4	0
172	Entropy scaling of high resolution systems—Example from football. Physica A: Statistical Mechanics and Its Applications, 2022, 600, 127536.	1.2	1
173	Nontrivial and anomalous transport on weighted complex networks. Communications in Nonlinear Science and Numerical Simulation, 2022, 114, 106684.	1.7	1
174	Atypical violence and conflict dynamics: evidence from Jerusalem. Political Science Research and Methods, 2024, 12, 399-406.	1.7	0
175	Geometric persistence and distributional trends in worldwide terrorism. Chaos, Solitons and Fractals, 2023, 169, 113277.	2.5	7

ARTICLE IF CITATIONS

On novel peer review system for academic journals: analysis based on social computing. Nonlinear 2.7 1