

Serge Galam

List of Publications by Year in descending order

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125
papers

5,054
citations

134610

34
h-index

104191

69
g-index

141
all docs

141
docs citations

141
times ranked

2036
citing authors

#	ARTICLE	IF	CITATIONS
1	Radicalism: The asymmetric stances of radicals versus conventionals. Physical Review E, 2022, 105, 044112.	0.8	5
2	Deviations from the majority: A local flip model. Chaos, Solitons and Fractals, 2022, 159, 112130.	2.5	3
3	After 2018 Bolsonaro victory, is a 2022 remake feasible?. Physica A: Statistical Mechanics and Its Applications, 2022, 600, 127598.	1.2	2
4	Will Trump win again in the 2020 election? An answer from a sociophysics model. Physica A: Statistical Mechanics and Its Applications, 2021, 570, 125835.	1.2	6
5	Rumor spreading: A trigger for proliferation or fading away. Chaos, 2020, 30, 073122.	1.0	18
6	Tipping Points in Opinion Dynamics: A Universal Formula in Five Dimensions. Frontiers in Physics, 2020, 8, .	1.0	14
7	Asymmetric Contrarians in Opinion Dynamics. Entropy, 2020, 22, 25.	1.1	8
8	Crediting multi-authored papers to single authors. Physica A: Statistical Mechanics and Its Applications, 2020, 554, 124652.	1.2	4
9	Dynamical Galam model. Physics Letters, Section A: General, Atomic and Solid State Physics, 2018, 382, 1509-1515.	0.9	13
10	Unavowed Abstention Can Overturn Poll Predictions. Frontiers in Physics, 2018, 6, .	1.0	7
11	Geometric vulnerability of democratic institutions against lobbying: A sociophysics approach. Mathematical Models and Methods in Applied Sciences, 2017, 27, 13-44.	1.7	12
12	The Trump phenomenon: An explanation from sociophysics. International Journal of Modern Physics B, 2017, 31, 1742015.	1.0	40
13	The invisible hand and the rational agent are behind bubbles and crashes. Chaos, Solitons and Fractals, 2016, 88, 209-217.	2.5	10
14	Stubbornness as an unfortunate key to win a public debate: an illustration from sociophysics. Mind and Society, 2016, 15, 117-130.	0.9	20
15	Modeling Radicalization Phenomena in Heterogeneous Populations. PLoS ONE, 2016, 11, e0155407.	1.1	46
16	Testing validity of the Kirkwood approximation using an extended Sznajd model. Physical Review E, 2015, 92, 062826.	0.8	2
17	Analytical expression for the exit probability of the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -voter model in one dimension. Physical Review E, 2015, 92, 012807.	0.8	17
18	On the exit probability of the extended Sznajd model and the Kirkwood approximation. Journal of Physics: Conference Series, 2015, 633, 012111.	0.3	1

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19	Conspiratorial Beliefs Observed through Entropy Principles. Entropy, 2015, 17, 5611-5634.	1.1	3
20	Two-dimensional Ising transition through a technique from two-state opinion-dynamics models. Physical Review E, 2015, 91, 012108.	0.8	14
21	A Renormalization Group Like Model for a Democratic Dictatorship. , 2015, , 193-213.		0
22	Activeness as a key to counter democratic balance. Physica A: Statistical Mechanics and Its Applications, 2015, 432, 187-196.	1.2	11
23	Emergence of Cooperation in the Prisoner's Dilemma Driven by Conformity. Lecture Notes in Computer Science, 2015, , 155-163.	1.0	4
24	Combining Text-mining Analysis and Agent-based Modeling Methods - A Case Study to Address a Controversy. BMS Bulletin of Sociological Methodology/ Bulletin De Methodologie Sociologique, 2015, 126, 84-98.	0.4	1
25	Emergence of Extreme Opinions in Social Networks. Lecture Notes in Computer Science, 2015, , 112-117.	1.0	3
26	Global alliances effect in coalition forming. European Physical Journal B, 2014, 87, 1.	0.6	7
27	Communication impacting financial markets. Europhysics Letters, 2014, 108, 28007.	0.7	3
28	From public outrage to the burst of public violence: An epidemic-like model. Physica A: Statistical Mechanics and Its Applications, 2014, 416, 620-630.	1.2	27
29	Modeling a controversy in the press: The case of abnormal bee deaths. Physica A: Statistical Mechanics and Its Applications, 2014, 402, 93-103.	1.2	5
30	Is It Necessary to Lie to Win a Controversial Public Debate? An Answer from Sociophysics. NATO Science for Peace and Security Series C: Environmental Security, 2014, , 37-45.	0.1	0
31	The Drastic Outcomes from Voting Alliances in Three-Party Democratic Voting (1990 â€ˆ 2013). Journal of Statistical Physics, 2013, 151, 46-68.	0.5	42
32	Building up of individual inflexibility in opinion dynamics. Physical Review E, 2013, 87, 042807.	0.8	75
33	Modeling the Forming of Public Opinion: An approach from Sociophysics. Global Economics and Management Review, 2013, 18, 2-11.	0.4	23
34	Rational instability in the natural coalition forming. Physica A: Statistical Mechanics and Its Applications, 2013, 392, 6025-6040.	1.2	7
35	The Question: Do Humans Behave like Atoms?. Understanding Complex Systems, 2012, , 21-39.	0.3	2
36	Dictatorship Paradoxes of Democratic Voting in Hierarchical Structures. Understanding Complex Systems, 2012, , 297-376.	0.3	2

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37	Formation of share market prices under heterogeneous beliefs and common knowledge. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 5532-5545.	1.2	32
38	Sociophysics. Understanding Complex Systems, 2012, , .	0.3	260
39	The Modeling of Opinion Dynamics. Understanding Complex Systems, 2012, , 169-202.	0.3	3
40	Taylor based allocations for multiple authorship: a fractional gh-index. Scientometrics, 2011, 89, 365-379.	1.6	46
41	Collective beliefs versus individual inflexibility: The unavoidable biases of a public debate. Physica A: Statistical Mechanics and Its Applications, 2011, 390, 3036-3054.	1.2	35
42	WORD-OF-MOUTH VERSUS EXPERTS AND REPUTATION IN THE INDIVIDUAL DYNAMICS OF WINE PURCHASING. International Journal of Modeling, Simulation, and Scientific Computing, 2011, 14, 871-885.	0.9	17
43	Ising model versus normal form game. Physica A: Statistical Mechanics and Its Applications, 2010, 389, 481-489.	1.2	46
44	Public debates driven by incomplete scientific data: The cases of evolution theory, global warming and H1N1 pandemic influenza. Physica A: Statistical Mechanics and Its Applications, 2010, 389, 3619-3631.	1.2	42
45	SOCIOPHYSICS: A REVIEW OF GALAM MODELS. International Journal of Modern Physics C, 2008, 19, 409-440.	0.8	409
46	The role of inflexible minorities in the breaking of democratic opinion dynamics. Physica A: Statistical Mechanics and Its Applications, 2007, 381, 366-376.	1.2	235
47	From 2000 Bushâ€CCore to 2006 Italian elections: voting at fifty-fifty and the contrarian effect. Quality and Quantity, 2007, 41, 579-589.	2.0	49
48	Chaotic, staggered, and polarized dynamics in opinion forming: The contrarian effect. Physical Review E, 2006, 73, 066118.	0.8	56
49	Fashion, novelty and optimality: an application from Physics. Physica A: Statistical Mechanics and Its Applications, 2005, 351, 605-619.	1.2	19
50	Square-lattice site percolation at increasing ranges of neighbor bonds. Physical Review E, 2005, 71, 016125.	0.8	65
51	Restoring site percolation on damaged square lattices. Physical Review E, 2005, 72, 027103.	0.8	11
52	Local dynamics vs. social mechanisms: A unifying frame. Europhysics Letters, 2005, 70, 705-711.	0.7	128
53	Heterogeneous beliefs, segregation, and extremism in the making of public opinions. Physical Review E, 2005, 71, 046123.	0.8	127
54	Sociophysics: a personal testimony. Physica A: Statistical Mechanics and Its Applications, 2004, 336, 49-55.	1.2	129

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55	The dynamics of minority opinions in democratic debate. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2004, 336, 56-62.	1.2	45
56	Contrarian deterministic effects on opinion dynamics: "the hung elections scenario". <i>Physica A: Statistical Mechanics and Its Applications</i> , 2004, 333, 453-460.	1.2	257
57	Threshold Phenomena versus Killer Clusters in Bimodal Competition for Standards. , 2004, , 429-441.		1
58	Global physics: from percolation to terrorism, guerilla warfare and clandestine activities. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2003, 330, 139-149.	1.2	32
59	Modelling rumors: the no plane Pentagon French hoax case. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2003, 320, 571-580.	1.2	165
60	On reducing terrorism power: a hint from physics. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2003, 323, 695-704.	1.2	36
61	HOW TO BECOME A DICTATOR: A SIMPLE MODEL FROM PHYSICS. <i>Fractals</i> , 2003, 11, 243-249.	1.8	1
62	Spontaneous Coalition Forming. Why Some Are Stable?. <i>Lecture Notes in Computer Science</i> , 2002, , 1-9.	1.0	5
63	COEXISTENCE OF OPPOSITE GLOBAL SOCIAL FEELINGS: THE CASE OF PERCOLATION DRIVEN INSECURITY. <i>International Journal of Modern Physics C</i> , 2002, 13, 1375-1385.	0.8	9
64	Killer geometries in competing species dynamics. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2002, 314, 256-263.	1.2	22
65	Cancerous tumor: "The high frequency of a rare event. <i>Physical Review E</i> , 2001, 63, 051907.	0.8	14
66	From Galam's "Mauger law to a powerful mean field scheme. <i>Journal of Applied Physics</i> , 2000, 87, 7040-7042.	1.1	2
67	Real space renormalization group and totalitarian paradox of majority rule voting. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2000, 285, 66-76.	1.2	88
68	From individual choice to group decision-making. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2000, 287, 644-659.	1.2	71
69	A 1D Ising model for ripple formation. <i>Journal of Physics A</i> , 2000, 33, 4955-4962.	1.6	0
70	Democratic Voting in Hierarchical Structures or How to Build a Dictatorship. <i>International Journal of Modeling, Simulation, and Scientific Computing</i> , 2000, 03, 171-180.	0.9	8
71	Logarithmic relaxations in a random-field lattice gas subject to gravity. <i>Physical Review E</i> , 1999, 59, 3858-3863.	0.8	4
72	RIPPLES VERSUS GIANT DUNES IN A SALTATION-AVALANCHE MODEL. <i>International Journal of Modern Physics C</i> , 1999, 10, 1071-1076.	0.8	8

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73	Application of statistical physics to politics. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1999, 274, 132-139.	1.2	135
74	A geometrical model for mixed cyanide crystals. <i>Journal of Non-Crystalline Solids</i> , 1998, 235-237, 570-575.	1.5	0
75	Metamagnets in uniform and random fields. <i>Physical Review B</i> , 1998, 57, 8370-8374.	1.1	27
76	A New Conjecture Extends the GM Law for Percolation Thresholds to Dynamical Situations. <i>International Journal of Modern Physics C</i> , 1998, 09, 667-671.	0.8	0
77	Comment on "A Landscape Theory of Aggregation". <i>British Journal of Political Science</i> , 1998, 28, 411-412.	2.2	13
78	Reply to "Comment on 'Universal formulas for percolation thresholds'". <i>Physical Review E</i> , 1997, 55, 1230-1231.	0.8	11
79	Universal formulas for percolation thresholds. II. Extension to anisotropic and aperiodic lattices. <i>Physical Review E</i> , 1997, 56, 322-325.	0.8	34
80	Rational group decision making: A random field Ising model at $T = 0$. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1997, 238, 66-80.	1.2	226
81	A quasi-exact formula for Ising critical temperatures on hypercubic lattices. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1997, 235, 573-576.	1.2	8
82	Universal formulas for percolation thresholds. <i>Physical Review E</i> , 1996, 53, 2177-2181.	0.8	110
83	Continuous versus first order transitions in compressible diluted magnets. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1996, 224, 669-676.	1.2	3
84	Fragmentation versus stability in bimodal coalitions. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1996, 230, 174-188.	1.2	68
85	Self-consistency and symmetry in dimensions. <i>Physical Review B</i> , 1996, 54, 15991-15996.	1.1	7
86	Towards a theory of collective phenomena. III: Conflicts and forms of power. <i>European Journal of Social Psychology</i> , 1995, 25, 217-229.	1.5	24
87	A new scheme to percolation thresholds. <i>Journal of Applied Physics</i> , 1994, 75, 5526-5528.	1.1	13
88	Towards a theory of collective phenomena. II: Conformity and power. <i>European Journal of Social Psychology</i> , 1994, 24, 481-495.	1.5	24
89	Site percolation thresholds in all dimensions. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1994, 205, 502-510.	1.2	24
90	Renormalizing time in critical phenomena. <i>Journal of Non-Crystalline Solids</i> , 1994, 172-174, 408-411.	1.5	0

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91	Steric hindrance and percolation in orientational glasses. Journal of Non-Crystalline Solids, 1994, 172-174, 453-456.	1.5	0
92	Oriental glasses. II. Calculation of critical thresholds in ACN _x Mn _{1-x} mixtures. Journal De Physique, I, 1992, 2, 1899-1906.	1.2	3
93	Oriental glasses. I. A random compressible model for KCN-KBr. Journal De Physique, I, 1991, 1, 1195-1208.	1.2	4
94	Towards a theory of collective phenomena: Consensus and attitude changes in groups. European Journal of Social Psychology, 1991, 21, 49-74.	1.5	305
95	POLITICAL PARADOXES OF MAJORITY RULE VOTING AND HIERARCHICAL SYSTEMS. International Journal of General Systems, 1991, 18, 191-200.	1.2	24
96	Static strains and ferroelastic domains in orientational glasses. Journal of Applied Physics, 1990, 67, 5979-5980.	1.1	7
97	Social paradoxes of majority rule voting and renormalization group. Journal of Statistical Physics, 1990, 61, 943-951.	0.5	148
98	Compressible spin models for plastic crystals. Physical Review B, 1990, 42, 6720-6722.	1.1	3
99	Reorientations and random fields in plastic crystals. Phase Transitions, 1989, 14, 97-101.	0.6	2
100	Multicritical behavior, irrelevant variables, and Landau theory. Physics Letters, Section A: General, Atomic and Solid State Physics, 1988, 133, 245-248.	0.9	3
101	Reorientations, freezing, and plastic phase. Journal of Applied Physics, 1988, 63, 3760-3761.	1.1	5
102	Tricritical point in dilute Ising antiferromagnets in magnetic field. Journal of Applied Physics, 1988, 63, 3758-3759.	1.1	4
103	What High T _c Means to Me. Physics Today, 1988, 41, 13-15.	0.3	1
104	STAGGERED SYMMETRY AND SINGLE AVERAGE MAGNETIZATION IN DILUTE SYSTEMS. Modern Physics Letters B, 1987, 01, 217-220.	1.0	1
105	Dilution, random fields, and tricritical point. Physics Letters, Section A: General, Atomic and Solid State Physics, 1987, 121, 459-460.	0.9	8
106	Plastic crystals, melting, and random fields. Physics Letters, Section A: General, Atomic and Solid State Physics, 1987, 122, 271-274.	0.9	15
107	Majority rule, hierarchical structures, and democratic totalitarianism: A statistical approach. Journal of Mathematical Psychology, 1986, 30, 426-434.	1.0	192
108	Multicritical properties of uniaxial Heisenberg antiferromagnets. Physical Review B, 1986, 34, 6428-6436.	1.1	11

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109	Images, Landau expansions, and symmetry changes. <i>Physical Review B</i> , 1986, 34, 7813-7815.	1.1	4
110	Site dilution, random site exchange, and random-field distribution. <i>Physical Review B</i> , 1985, 31, 7274-7275.	1.1	24
111	Irrelevant variables, Landau expansions, and cubic anisotropy. <i>Physical Review B</i> , 1985, 31, 1554-1558.	1.1	8
112	Antiferromagnets in a field and ferromagnets in a random field. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1984, 100, 105-107.	0.9	7
113	Impact of referees' reports. <i>Physics Today</i> , 1984, 37, 11-11.	0.3	1
114	Rule for truncating Landau expansions. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1983, 98, 125-126.	0.9	8
115	New Spontaneous Symmetry Breaking for the CubicXYModel. <i>Physical Review Letters</i> , 1983, 51, 1066-1068.	2.9	12
116	Random-field distributions and tricritical points. <i>Physical Review B</i> , 1983, 28, 5322-5322.	1.1	42
117	Should God save the Queen?. <i>Physics Today</i> , 1983, 36, 110-110.	0.3	4
118	Physicists are "frustrated". <i>Physics Today</i> , 1982, 35, 89-91.	0.3	5
119	Sociophysics: A new approach of sociological collective behaviour. I. mean behaviour description of a strike. <i>Journal of Mathematical Sociology</i> , 1982, 9, 1-13.	0.6	332
120	Generic symmetry breaking and the Landau expansion. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1982, 93, 83-85.	0.9	8
121	Statistical mechanics of dense ionized matter. VI. Electron screening corrections to the thermodynamic properties of the one-component plasma. <i>Physical Review A</i> , 1976, 14, 816-832.	1.0	190
122	Dictatorship effect of majority rule in voting in hierarchical systems. , 0, , 140-150.		1
123	The Invisible Hand and the Rational Agent are Behind Bubbles and Crashes. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1
124	What Does Financial Market Do? The Formation of Share Market Prices Under Heterogeneous Beliefs and Common Knowledge. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1
125	Communication Impacting Financial Markets. <i>SSRN Electronic Journal</i> , 0, , .	0.4	2