Jean-Yves Fortin

List of Publications by Year
in descending order

53 papers	479 citations	840776 11 h-index	713466 21 g-index
54 all docs	54 docs citations	54 times ranked	318 citing authors

#	ARTICLE	IF	CITATIONS
1	Itinerant fermions on dilute frustrated Ising lattices. European Physical Journal B, 2021, 94, 1.	1.5	0
2	Singular self-energy for itinerant electrons in a dilute Ising spin bath. Journal of Physics Condensed Matter, 2021, 33, 085602.	1.8	1
3	Grand canonical description of equilibrium and non-equilibrium systems using spin formalism. Physica A: Statistical Mechanics and Its Applications, 2020, 558, 124983.	2.6	0
4	Charge Oscillations in a Simple Model of Interacting Magnetic Orbits. Journal of Experimental and Theoretical Physics, 2020, 130, 886-894.	0.9	0
5	Limited coagulation-diffusion dynamics in inflating spaces. European Physical Journal B, 2020, 93, 1.	1.5	0
6	Distribution of the coalescence times in a system of diffusion-aggregation of particle clusters in one dimension. Journal of Physics A: Mathematical and Theoretical, 2020, 53, 505004.	2.1	0
7	Critical properties of cluster size distribution in an asymmetric diffusion-aggregation model. Physical Review E, 2019, 100, 052108.	2.1	1
8	Modified stochastic fragmentation of an interval as an ageing process. Journal of Statistical Mechanics: Theory and Experiment, 2018, 2018, 023210.	2.3	1
9	Does Fourier analysis yield reliable amplitudes of quantum oscillations?. EPJ Applied Physics, 2018, 83, 30201.	0.7	5
10	Density distribution in two Ising systems with particle exchange. European Physical Journal B, 2018, 91, 1.	1.5	1
11	Reaction–diffusion on the fully-connected lattice: $A+A\rightarrow A$. Journal of Physics A: Mathematical and Theoretical, 2018, 51, 145001.	2.1	2
12	Quantum oscillations of a linear chain of coupled orbits with small effective masses: The organic metal λ-(BETS) 4 CoBr 4 (C 6 H 4 Cl 2). Synthetic Metals, 2017, 226, 171-176.	3.9	1
13	de Haas-van Alphen oscillations with non-parabolic dispersions. European Physical Journal B, 2017, 90, 1.	1.5	1
14	Transmission and tunneling probability in two-band metals: Influence of magnetic breakdown on the Onsager phase of quantum oscillations. Low Temperature Physics, 2017, 43, 173-185.	0.6	4
15	Quantum oscillations in coupled orbits networks of (BEDT-TTF) salts with tris(oxalato)metallate anions. Low Temperature Physics, 2017, 43, 27-33.	0.6	2
16	Phase transitions and relaxation dynamics of Ising models exchanging particles. Physica A: Statistical Mechanics and Its Applications, 2017, 466, 166-179.	2.6	3
17	New insights on frequency combinations and 'forbidden frequencies' in the de Haas–van Alphen spectrum of θ-(ET)$_2$Cu(SCN)$_2$. Journal of Physics Condensed Matter, 2016, 28, 275702.	1.8	3
18	Applications of extreme value statistics in physics. Journal of Physics A: Mathematical and Theoretical, 2015, 48, 183001.	2.1	45

#	ARTICLE	IF	CITATIONS
19	Non-Lifshitz–Kosevich field- and temperature-dependent amplitude of quantum oscillations in the quasi-two dimensional metal $\hat{I}_\circ$-(ET)$_4$ZnBr$_4$(C$_6$H$_4$Cl$_2$). Journal of Physics Condensed Matter, 2015, 27, 315601.	1.8	5
20	Effect of electronic band dispersion curvature on de Haas-van Alphen oscillations. European Physical Journal B, 2015, 88, 1.	1.5	7
21	Emergence of Criticality in the Transportation Passenger Flow: Scaling and Renormalization in the Seoul Bus System. PLoS ONE, 2014, 9, e89980.	2.5	18
22	Recent developments in the determination of the amplitude and phase of quantum oscillations for the linear chain of coupled orbits. Low Temperature Physics, 2014, 40, 344-351.	0.6	5
23	Crossover properties of a one-dimensional reaction-diffusion process with a transport current. Journal of Statistical Mechanics: Theory and Experiment, 2014, 2014, P09033.	2.3	3
24	Grassmannian representation of the two-dimensional monomer-dimer model. Physical Review E, 2014, 89, 062107.	2.1	7
25	De Haas-van Alphen oscillations in the compensated organic metal $\hat{I}\pm$-$\hat{a}$€μpseudo-$\hat{I}^o\hat{a}$€²-(ET)4H3O[Fe(C2O4)3]$\hat{A}$·(C6H4Br2). European Physical Journal B, 2014, 87, 1.	1.5	2
26	Boundary crossover in semi-infinite non-equilibrium growth processes. Journal of Statistical Mechanics: Theory and Experiment, 2014, 2014, P02018.	2.3	1
27	Onsager phase factor of quantum oscillations in the organic metal $\hat{I}_\circ$-(BEDT-TTF)4CoBr4(C6H4Cl2). Synthetic Metals, 2013, 171, 51-55.	3.9	8
28	Organic conductors in high magnetic fields: Model systems for quantum oscillation physics. Comptes Rendus Physique, 2013, 14, 15-26.	0.9	7
29	Random site dilution properties of frustrated magnets on a hierarchical lattice. Journal of Physics Condensed Matter, 2013, 25, 296004.	1.8	6
30	Dynamics of interval fragmentation and asymptotic distributions. Journal of Physics A: Mathematical and Theoretical, 2013, 46, 225002.	2.1	5
31	Nature of the global fluctuations in the spherical model at criticality. Journal of Physics A: Mathematical and Theoretical, 2012, 45, 475001.	2.1	2
32	Quantum oscillations in the linear chain of coupled orbits: The organic metal with two cation layers $\hat{I}_\circ$-(ET)$_4$ CoBr $_4$ (C $_6$ H $_4$ Cl $_2$). Europhysics Letters, 2012, 97, 57003.	2.0	23
33	Exact two-time correlation and response functions in the one-dimensional coagulation–diffusion process by the empty-interval method. Journal of Statistical Mechanics: Theory and Experiment, 2011, 2011, P02030.	2.3	12
34	Weibull-type limiting distribution for replicative systems. Physical Review E, 2011, 83, 031123.	2.1	16
35	Reply to the Comment by A. Gadomski. Europhysics Letters, 2010, 89, 40003.	2.0	0
36	Exact correlations in the one-dimensional coagulation–diffusion process investigated by the empty-interval method. Journal of Statistical Mechanics: Theory and Experiment, 2010, 2010, P04002.	2.3	10

#	Article	IF	Citations
37	Random walks and magnetic oscillations in compensated metals. Physical Review B, 2009, 80, .	3.2	11
38	How skew distributions emerge in evolving systems. Europhysics Letters, 2009, 85, 30006.	2.0	25
39	Alternative description of the 2D Blumeâ€"Capel model using Grassmann algebra. Journal of Physics A: Mathematical and Theoretical, 2008, 41, 405004.	2.1	10
40	Damping of field-induced chemical potential oscillations in ideal two-band compensated metals. Physical Review B, 2008, 77, .	3.2	11
41	Origin of the approximate universality of distributions in equilibrium correlated systems. Europhysics Letters, 2006, 76, 1008-1014.	2.0	10
42	Boundary field induced first-order transition in the 2D Ising model: exact study. Journal of Physics A, 2006, 39, 995-1007.	1.6	5
43	Induced Random Fields in theLiHoxY1â^'xF4Quantum Ising Magnet in a Transverse Magnetic Field. Physical Review Letters, 2006, 97, 237203.	7.8	65
44	Asymptotic behaviour of the density of states on a random lattice. Journal of Physics A, 2005, 38, L57-L65.	1.6	6
45	Analytical treatment of the de Haasâ€"van Alphen frequency combination due to chemical potential oscillations in an idealized two-band Fermi liquid. Physical Review B, 2005, 71, .	3.2	22
46	1D action and partition function for the 2D Ising model with a boundary magnetic field. Journal of Physics A, 2005, 38, 2849-2871.	1.6	5
47	Criterion for universality-class-independent critical fluctuations: Example of the two-dimensional Ising model. Physical Review E, 2004, 70, 046112.	2.1	33
48	Magnetic oscillations and frequency mixing in a two-band conductor. Physica B: Condensed Matter, 2004, 346-347, 373-376.	2.7	1
49	Fortin and Ziman Reply:. Physical Review Letters, 1999, 82, 4149-4149.	7.8	4
50	Magnetic oscillation and breakdown in the organic conductors. Synthetic Metals, 1999, 103, 1929-1932.	3.9	0
51	de Haasâ€"van Alphen oscillations and magnetic breakdown:â€ƒ Semiclassical calculation of multiband orbits. Physical Review B, 1998, 57, 1484-1497.	3.2	12
52	Frequency Mixing of Magnetic Oscillations: Beyond Falicov-Stachowiak Theory. Physical Review Letters, 1998, 80, 3117-3120.	7.8	49
53	Unjamming in Dry Granular Matter: Second-Order Phase Transition between Fragile Solid and Dry Fluid (Bearing) by Intermittency.. Solid State Phenomena, 0, 172-174, 1106-1111.	0.3	2