

# Christophe Texier

## List of Publications by Year in descending order

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51  
papers

1,045  
citations

394421

19  
h-index

454955

30  
g-index

54  
all docs

54  
docs citations

54  
times ranked

539  
citing authors

#	ARTICLE	IF	CITATIONS
1	Universality of the Wigner Time Delay Distribution for One-Dimensional Random Potentials. Physical Review Letters, 1999, 82, 4220-4223.	7.8	78
2	Effect of incoherent scattering on shot noise correlations in the quantum Hall regime. Physical Review B, 2000, 62, 7454-7458.	3.2	70
3	Wigner Time-Delay Distribution in Chaotic Cavities and Freezing Transition. Physical Review Letters, 2013, 110, 250602.	7.8	64
4	Wigner time delay and related concepts: Application to transport in coherent conductors. Physica E: Low-Dimensional Systems and Nanostructures, 2016, 82, 16-33.	2.7	62
5	Spectral Determinant on Quantum Graphs. Annals of Physics, 2000, 284, 10-51.	2.8	60
6	Scattering theory on graphs. Journal of Physics A, 2001, 34, 10307-10326.	1.6	46
7	Functionals of Brownian motion, localization and metric graphs. Journal of Physics A, 2005, 38, R341-R383.	1.6	45
8	Random walk on the Bethe lattice and hyperbolic Brownian motion. Journal of Physics A, 1996, 29, 2399-2409.	1.6	34
9	On the distribution of the Wigner time delay in one-dimensional disordered systems. Journal of Physics A, 1997, 30, 8017-8025.	1.6	33
10	Lyapunov exponents, one-dimensional Anderson localization and products of random matrices. Journal of Physics A: Mathematical and Theoretical, 2013, 46, 254003.	2.1	33
11	Dephasing due to electron-electron interaction in a diffusive ring. Physical Review B, 2005, 72, .	3.2	32
12	Scattering theory on graphs: II. The Friedel sum rule. Journal of Physics A, 2002, 35, 3389-3407.	1.6	26
13	The Lyapunov Exponent of Products of Random $2\tilde{A}-2$ Matrices Close to the Identity. Journal of Statistical Physics, 2013, 150, 13-65.	1.2	26
14	Weak Localization in Multiterminal Networks of Diffusive Wires. Physical Review Letters, 2004, 92, 186801.	7.8	24
15	Products of Random Matrices and Generalised Quantum Point Scatterers. Journal of Statistical Physics, 2010, 140, 427-466.	1.2	23
16	Capacitance and charge relaxation resistance of chaotic cavities $\hat{\epsilon}$ Joint distribution of two linear statistics in the Laguerre ensemble of random matrices. Europhysics Letters, 2015, 109, 50004.	2.0	22
17	Truncated Linear Statistics Associated with the Top Eigenvalues of Random Matrices. Journal of Statistical Physics, 2017, 167, 234-259.	1.2	21
18	Exponential number of equilibria and depinning threshold for a directed polymer in a random potential. Annals of Physics, 2018, 397, 1-64.	2.8	21

#	ARTICLE	IF	CITATIONS
19	Local Friedel sum rule on graphs. <i>Physical Review B</i> , 2003, 67, .	3.2	20
20	Quantum oscillations and decoherence due to electron-electron interaction in metallic networks and hollow cylinders. <i>Physical Review B</i> , 2009, 80, .	3.2	19
21	Individual energy level distributions for one-dimensional diagonal and off-diagonal disorder. <i>Journal of Physics A</i> , 2000, 33, 6095-6128.	1.6	17
22	Fluctuations of Random Matrix Products and 1D Dirac Equation with Random Mass. <i>Journal of Statistical Physics</i> , 2014, 157, 497-514.	1.2	17
23	Distribution of spectral linear statistics on random matrices beyond the large deviation functionâ€™Wigner time delay in multichannel disordered wires. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2016, 49, 465002.	2.1	16
24	Quantum oscillations in mesoscopic rings and anomalous diffusion. <i>Journal of Physics A</i> , 2005, 38, 3455-3471.	1.6	15
25	Dimensional Crossover in Quantum Networks: From Macroscopic to Mesoscopic Physics. <i>Physical Review Letters</i> , 2007, 98, 026807.	7.8	14
26	Dynamics of a Tagged Monomer: Effects of Elastic Pinning and Harmonic Absorption. <i>Physical Review Letters</i> , 2013, 111, 210601.	7.8	14
27	One-Dimensional Disordered Quantum Mechanics and Sinai Diffusion with Random Absorbers. <i>Journal of Statistical Physics</i> , 2014, 155, 237-276.	1.2	13
28	One-dimensional disordered supersymmetric quantum mechanics: A brief survey. , 1998, , 313-328.		12
29	The effect of boundaries on the spectrum of a one-dimensional random mass Dirac Hamiltonian. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2010, 43, 025002.	2.1	12
30	Supersymmetric Quantum Mechanics with LÃ©vy Disorder in One Dimension. <i>Journal of Statistical Physics</i> , 2011, 145, 1291-1323.	1.2	12
31	Ergodic versus diffusive decoherence in mesoscopic devices. <i>Physical Review B</i> , 2013, 87, .	3.2	11
32	Wignerâ€™Smith time-delay matrix in chaotic cavities with non-ideal contacts. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2018, 51, 404001.	2.1	11
33	Breaking supersymmetry in a one-dimensional random Hamiltonian. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2008, 41, 405302.	2.1	9
34	Localization for one-dimensional random potentials with large local fluctuations. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2008, 41, 475001.	2.1	9
35	Topological phase transitions in the 1D multichannel Dirac equation with random mass and a random matrix model. <i>Europhysics Letters</i> , 2016, 116, 17004.	2.0	9
36	Truncated Linear Statistics Associated with the Eigenvalues of Random Matrices II. Partial Sums over Proper Time Delays for Chaotic Quantum Dots. <i>Journal of Statistical Physics</i> , 2017, 167, 1452-1488.	1.2	9

#	ARTICLE	IF	CITATIONS
37	Persistent currents and magnetization in two-dimensional magnetic quantum systems. Nuclear Physics B, 1998, 528, 727-745.	2.5	8
38	Fluctuations of the Product of Random Matrices and Generalized Lyapunov Exponent. Journal of Statistical Physics, 2020, 181, 990-1051.	1.2	8
39	Charge and current distribution in graphs. Journal of Physics A, 2003, 36, 12425-12452.	1.6	7
40	Effect of connecting wires on the decoherence due to electron-electron interaction in a metallic ring. Physical Review B, 2007, 76, .	3.2	7
41	Nonlinear conductance in weakly disordered mesoscopic wires: Interaction and magnetic field asymmetry. Physical Review B, 2018, 97, .	3.2	7
42	On the spectrum of the Laplace operator of metric graphs attached at a vertexâ€”spectral determinant approach. Journal of Physics A: Mathematical and Theoretical, 2008, 41, 085207.	2.1	6
43	$\hat{\Gamma}$ -regularized spectral determinants on metric graphs. Journal of Physics A: Mathematical and Theoretical, 2010, 43, 425203.	2.1	6
44	Altshuler-Aronov correction to the conductivity of a large metallic square network. Physical Review B, 2007, 76, .	3.2	5
45	Generalized Lyapunov exponent of random matrices and universality classes for SPS in 1D Anderson localisation. Europhysics Letters, 2020, 131, 17002.	2.0	4
46	Comment on â€œEffective Confining Potential of Quantum States in Disordered Mediaâ€•. Physical Review Letters, 2020, 124, 219701.	7.8	4
47	Reprint of: Four-terminal resistances in mesoscopic networks of metallic wires: Weak localisation and correlations. Physica E: Low-Dimensional Systems and Nanostructures, 2016, 82, 272-285.	2.7	3
48	Four-terminal resistances in mesoscopic networks of metallic wires: Weak localisation and correlations. Physica E: Low-Dimensional Systems and Nanostructures, 2016, 75, 33-46.	2.7	2
49	Wignerâ€™s Smith matrix, exponential functional of the matrix Brownian motion and matrix Dufresne identity. Journal of Physics A: Mathematical and Theoretical, 2020, 53, 425003.	2.1	1
50	Ordered spectral statistics in one-dimensional disordered supersymmetric quantum mechanics and Sinai diffusion with dilute absorbers. Physica Scripta, 2012, 86, 058515.	2.5	0
51	Generalized Lyapunov exponent for the one-dimensional SchrÃ¶dinger equation with Cauchy disorder: Some exact results. Physical Review E, 2022, 105, .	2.1	0