Dima L. Shepelyansky

List of Publications by Year in Descending Order

230 papers	7,351 citations	44 h-index	76 g-index
235 ext. papers	7,823 ext. citations	3.5 avg, IF	6.18 L-index

#	Paper	IF	Citations
230	COVID-19's Impact on International Trade.. *Entropy*, **2022**, 24,	2.8	4
229	Chaotic Einstein Podolsky Rosen pairs, measurements and time reversal. *European Physical Journal D*, **2021**, 75, 1	1.3	0
228	Deconfinement of classical Yang-Mills color fields in a disorder potential. *Chaos*, **2021**, 31, 093106	3.3	1
227	Fibrosis Protein-Protein Interactions from Google Matrix Analysis of MetaCore Network.. *International Journal of Molecular Sciences*, **2021**, 23,	6.3	1
226	What is the central bank of Wikipedia?. *Physica A: Statistical Mechanics and Its Applications*, **2020**, 542, 123199	3.3	2
225	Collective intelligence defines biological functions in Wikipedia as communities in the hidden protein connection network. *PLoS Computational Biology*, **2020**, 16, e1007652	5	1
224	Thermoelectricity Modeling with Cold Dipole Atoms in Aubry Phase of Optical Lattice. *Applied Sciences (Switzerland)*, **2020**, 10, 2090	2.6	0
223	Properties of phonon modes of an ion-trap quantum computer in the Aubry phase. *Physical Review A*, **2020**, 101,	2.6	2
222	Electron pairing by Coulomb repulsion in narrow band structures. *Physical Review Research*, **2020**, 2,	3.9	3
221	Jaynes-Cummings model under monochromatic driving. *Physical Review A*, **2020**, 102,	2.6	1
220	Interdependence of Sectors of Economic Activities for World Countries from the Reduced Google Matrix Analysis of WTO Data. *Entropy*, **2020**, 22,	2.8	4
219	Wikipedia network analysis of cancer interactions and world influence. *PLoS ONE*, **2019**, 14, e0222508	3.7	6
218	World Influence of Infectious Diseases From Wikipedia Network Analysis. *IEEE Access*, **2019**, 7, 26073-26087	3.7	10
217	Dynamical Thermalization of Interacting Fermionic Atoms in a Sinai Oscillator Trap. *Condensed Matter*, **2019**, 4, 76	1.8	1
216	Interactions of pharmaceutical companies with world countries, cancers and rare diseases from Wikipedia network analysis. *PLoS ONE*, **2019**, 14, e0225500	3.7	1
215	Inferring hidden causal relations between pathway members using reduced Google matrix of directed biological networks. *PLoS ONE*, **2018**, 13, e0190812	3.7	19
214	Interactions and Influence of World Painters From the Reduced Google Matrix of Wikipedia Networks. *IEEE Access*, **2018**, 6, 47735-47750	3.5	4

No.	Reference	IF	Cit.
213	Multi-cultural Wikipedia mining of geopolitics interactions leveraging reduced Google matrix analysis. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2017**, 381, 2677-2685	2.3	5
212	Dynamical thermalization in Bose-Hubbard systems. *Physical Review E*, **2016**, 93, 012126	2.4	5
211	Delocalization of two interacting particles in the 2D Harper model. *European Physical Journal B*, **2016**, 89, 1	1.2	6
210	Wikipedia ranking of world universities. *European Physical Journal B*, **2016**, 89, 1	1.2	19
209	Wikipedia mining of hidden links between political leaders. *European Physical Journal B*, **2016**, 89, 1	1.2	21
208	Dynamics and thermalization of a Bose-Einstein condensate in a Sinai-oscillator trap. *Physical Review A*, **2016**, 94,	2.6	6
207	Fractal structures for the Jacobi Hamiltonian of restricted three-body problem. *New Astronomy*, **2016**, 47, 97-104	1.8	4
206	Google matrix of the world network of economic activities. *European Physical Journal B*, **2015**, 88, 1	1.2	4
205	Opinion formation driven by PageRank node influence on directed networks. *Physica A: Statistical Mechanics and Its Applications*, **2015**, 436, 707-715	3.3	16
204	Google matrix analysis of the multiproduct world trade network. *European Physical Journal B*, **2015**, 88, 1	1.2	18
203	Statistical analysis of Nomao customer votes for spots of France. *European Physical Journal B*, **2015**, 88, 1	1.2	
202	Algebraic Statistics of Poincaré Recurrences in a DNA Molecule. *Physical Review Letters*, **2015**, 115, 188104	7.4	4
201	Google matrix analysis of directed networks. *Reviews of Modern Physics*, **2015**, 87, 1261-1310	40.5	73
200	Anderson transition for Google matrix eigenstates. *Annalen Der Physik*, **2015**, 527, 713-722	2.6	
199	Dynamical thermalization of Bose-Einstein condensate in Bunimovich stadium. *Europhysics Letters*, **2015**, 111, 50009	1.6	5
198	Chaotic enhancement of dark matter density in binary systems. *Astronomy and Astrophysics*, **2015**, 576, A40	5.1	5
197	Interactions of cultures and top people of Wikipedia from ranking of 24 language editions. *PLoS ONE*, **2015**, 10, e0114825	3.7	31
196	Freed by interaction kinetic states in the Harper model. *European Physical Journal B*, **2015**, 88, 1	1.2	9

195	Google matrix of the citation network of Physical Review. *Physical Review E*, **2014**, 89, 052814	2.4	7
194	Google matrix analysis of C.elegans neural network. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2014**, 378, 1932-1936	2.3	3
193	Poisson statistics of PageRank probabilities of Twitter and Wikipedia networks. *European Physical Journal B*, **2014**, 87, 1	1.2	3
192	Early chaos theory. *Physics Today*, **2014**, 67, 10-10	0.9	1
191	Destruction of Anderson localization by nonlinearity in kicked rotator at different effective dimensions. *Journal of Physics A: Mathematical and Theoretical*, **2014**, 47, 335101	2	12
190	Poincaré recurrences and Ulam method for the Chirikov standard map. *European Physical Journal B*, **2013**, 86, 1	1.2	9
189	PageRank model of opinion formation on Ulam networks. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2013**, 377, 3119-3123	2.3	7
188	Time evolution of Wikipedia network ranking. *European Physical Journal B*, **2013**, 86, 1	1.2	17
187	Symmetry breaking for ratchet transport in the presence of interactions and a magnetic field. *Physical Review E*, **2013**, 87, 022912	2.4	2
186	Towards a synchronization theory of microwave-induced zero-resistance states. *Physical Review B*, **2013**, 88,	3.3	43
185	Ecological analysis of world trade. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2013**, 377, 250-256	2.3	15
184	Spectral properties of Google matrix of Wikipedia and other networks. *European Physical Journal B*, **2013**, 86, 1	1.2	19
183	Quantum Gibbs distribution from dynamical thermalization in classical nonlinear lattices. *New Journal of Physics*, **2013**, 15, 123004	2.9	10
182	Thermoelectricity of Wigner crystal in a periodic potential. *Europhysics Letters*, **2013**, 103, 68008	1.6	8
181	Dark matter chaos in the Solar system. *Monthly Notices of the Royal Astronomical Society: Letters*, **2013**, 430, L25-L29	4.3	8
180	Google matrix analysis of DNA sequences. *PLoS ONE*, **2013**, 8, e61519	3.7	8
179	Highlighting entanglement of cultures via ranking of multilingual Wikipedia articles. *PLoS ONE*, **2013**, 8, e74554	3.7	12
178	Wigner crystal in snaked nanochannels: Outlook. *Physica B: Condensed Matter*, **2012**, 407, 1909-1911	2.8	1

177	The Arnold cat map, the Ulam method and time reversal. *Physica D: Nonlinear Phenomena*, **2012**, 241, 514-518	3.3	8
176	Google matrix of Twitter. *European Physical Journal B*, **2012**, 85, 1	1.2	11
175	PageRank model of opinion formation on social networks. *Physica A: Statistical Mechanics and Its Applications*, **2012**, 391, 5779-5793	3.3	26
174	Kolmogorov turbulence, Anderson localization and KAM integrability. *European Physical Journal B*, **2012**, 85, 1	1.2	5
173	PageRank of integers. *Journal of Physics A: Mathematical and Theoretical*, **2012**, 45, 405101	2	8
172	Toward two-dimensional search engines. *Journal of Physics A: Mathematical and Theoretical*, **2012**, 45, 275101	2	13
171	Poincaré recurrences of DNA sequences. *Physical Review E*, **2012**, 85, 016214	2.4	9
170	Universal emergence of PageRank. *Journal of Physics A: Mathematical and Theoretical*, **2011**, 44, 465101	2	13
169	Google matrix of business process management. *European Physical Journal B*, **2011**, 84, 493-500	1.2	4
168	Fractal Weyl law for Linux Kernel architecture. *European Physical Journal B*, **2011**, 79, 115-120	1.2	12
167	Relativistic graphene ratchet on semidisk Galton board. *European Physical Journal B*, **2011**, 79, 357-362	1.2	6
166	Superinsulator as a phase of bi-particle localized states. *European Physical Journal B*, **2011**, 81, 237-244	1.2	
165	Wigner crystal in snaked nanochannels. *European Physical Journal B*, **2011**, 82, 63-67	1.2	5
164	Strong and Weak Chaos in Weakly Nonintegrable Many-Body Hamiltonian Systems. *Journal of Statistical Physics*, **2011**, 145, 1256-1274	1.5	41
163	Quantum vacuum of strongly nonlinear lattices. *Physical Review E*, **2011**, 83, 016202	2.4	4
162	Theory of resonant photon drag in monolayer graphene. *Physical Review B*, **2010**, 81,	3.3	38
161	Google matrix and Ulam networks of intermittency maps. *Physical Review E*, **2010**, 81, 036221	2.4	16
160	Spectral properties of the Google matrix of the World Wide Web and other directed networks. *Physical Review E*, **2010**, 81, 056109	2.4	30

159	Google matrix, dynamical attractors, and Ulam networks. *Physical Review E*, **2010**, 81, 036213	2.4	23
158	Poincaré recurrences in Hamiltonian systems with a few degrees of freedom. *Physical Review E*, **2010**, 82, 055202	2.4	25
157	Ulam method and fractal Weyl law for Perron-Frobenius operators. *European Physical Journal B*, **2010**, 75, 299-304	1.2	30
156	Ulam method for the Chirikov standard map. *European Physical Journal B*, **2010**, 76, 57-68	1.2	30
155	Two-dimensional ranking of Wikipedia articles. *European Physical Journal B*, **2010**, 77, 523-531	1.2	50
154	Towards Google matrix of brain. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2010**, 374, 3206-3209	2.3	13
153	Microwave stabilization of edge transport and zero-resistance states. *Physical Review B*, **2009**, 80,	3.3	69
152	Quantum synchronization and entanglement of two qubits coupled to a driven dissipative resonator. *Physical Review B*, **2009**, 80,	3.3	44
151	Chaotic dynamics of a Bose-Einstein condensate coupled to a qubit. *Physical Review E*, **2009**, 79, 066205	2.4	5
150	Dynamical thermalization of disordered nonlinear lattices. *Physical Review E*, **2009**, 80, 056212	2.4	55
149	Delocalization transition for the Google matrix. *Physical Review E*, **2009**, 80, 026107	2.4	30
148	Synchronization mechanism of sharp edges in rings of Saturn. *Monthly Notices of the Royal Astronomical Society*, **2009**, 395, 1934-1940	4.3	6
147	Nonlinear delocalization on disordered Stark ladder. *European Physical Journal B*, **2009**, 71, 121-124	1.2	10
146	Delocalization induced by nonlinearity in systems with disorder. *Physical Review E*, **2009**, 79, 026205	2.4	82
145	Diffusion and localization for the Chirikov typical map. *Physical Review E*, **2009**, 80, 016210	2.4	9
144	Ratchet transport of interacting particles. *Physical Review E*, **2008**, 78, 041127	2.4	19
143	Fractal Weyl law for quantum fractal eigenstates. *Physical Review E*, **2008**, 77, 015202	2.4	38
142	Synchronization and bistability of a qubit coupled to a driven dissipative oscillator. *Physical Review Letters*, **2008**, 100, 014101	7.4	50

141	Shor's factorization algorithm with a single control qubit and imperfections. *Physical Review A*, **2008**, 78,	2.6	6
140	Time reversal of Bose-Einstein condensates. *Physical Review Letters*, **2008**, 101, 074102	7.4	16
139	Cooling by time reversal of atomic matter waves. *Physical Review Letters*, **2008**, 100, 044106	7.4	15
138	Theory of photogalvanic effect in asymmetric nanostructure arrays. *Physica E: Low-Dimensional Systems and Nanostructures*, **2008**, 40, 1264-1266	3	8
137	Quantum phase estimation algorithm in presence of static imperfections. *European Physical Journal D*, **2008**, 47, 151-156	1.3	2
136	Destruction of Anderson localization by a weak nonlinearity. *Physical Review Letters*, **2008**, 100, 094101	7.4	299
135	Magnetization of ballistic quantum dots induced by a linear-polarized microwave field. *European Physical Journal B*, **2007**, 55, 261-270	1.2	2
134	Photogalvanic current in artificial asymmetric nanostructures. *European Physical Journal B*, **2007**, 56, 323-333	1.2	28
133	Synchronization, zero-resistance states and rotating Wigner crystal. *European Physical Journal B*, **2007**, 60, 225-229	1.2	33
132	Frenkel-Kontorova model with cold trapped ions. *European Physical Journal D*, **2007**, 41, 325-330	1.3	56
131	Effects of imperfections for Shor's factorization algorithm. *Physical Review A*, **2007**, 75,	2.6	6
130	Suppression of quantum chaos in a quantum computer hardware. *Physical Review E*, **2006**, 74, 026208	2.4	8
129	Quantum synchronization. *European Physical Journal D*, **2006**, 38, 375-379	1.3	29
128	Dissipative decoherence in the Grover algorithm. *European Physical Journal D*, **2006**, 38, 405-408	1.3	10
127	Microwave control of transport through a chaotic mesoscopic dot. *European Physical Journal B*, **2005**, 46, 515-518	1.2	10
126	Quantum error correction of coherent errors by randomization. *European Physical Journal D*, **2005**, 32, 153-156	1.3	19
125	Quantum computation and analysis of Wigner and Husimi functions: toward a quantum image treatment. *Physical Review E*, **2005**, 71, 066215	2.4	18
124	Nonequilibrium stationary states with ratchet effect. *Physical Review E*, **2005**, 71, 036111	2.4	13

123	Quantum ratchets in dissipative chaotic systems. *Physical Review Letters*, **2005**, 94, 164101	7.4	64
122	Quantum chaos algorithms and dissipative decoherence with quantum trajectories. *Physical Review E*, **2005**, 71, 056202	2.4	9
121	Quantum computing of delocalization in small-world networks. *Physical Review E*, **2005**, 72, 036203	2.4	38
120	Model of a deterministic detector and dynamical decoherence. *Physical Review A*, **2005**, 72,	2.6	12
119	Directing transport by polarized radiation in the presence of chaos and dissipation. *Physical Review B*, **2005**, 71,	3.3	19
118	Dissipative quantum chaos: transition from wave packet collapse to explosion. *Physical Review Letters*, **2005**, 95, 164101	7.4	8
117	Dynamical localization and repeated measurements in a quantum computation process. *Physical Review Letters*, **2004**, 92, 037902	7.4	8
116	Quantum computation of the Anderson transition in the presence of imperfections. *Physical Review A*, **2004**, 69,	2.6	21
115	Quantum chaos and random matrix theory for fidelity decay in quantum computations with static imperfections. *European Physical Journal D*, **2004**, 29, 139-155	1.3	44
114	Phase diagram for the Grover algorithm with static imperfections. *European Physical Journal D*, **2004**, 31, 131-135	1.3	7
113	Strange attractor simulated on a quantum computer. *European Physical Journal D*, **2003**, 22, 127-130	1.3	8
112	Statistical properties of eigenvalues for an operating quantum computer with static imperfections. *European Physical Journal D*, **2003**, 22, 285-293	1.3	8
111	Imperfection effects for multiple applications of the quantum wavelet transform. *Physical Review Letters*, **2003**, 90, 257902	7.4	18
110	Delocalizing effect of the Hubbard repulsion for electrons on a two-dimensional disordered lattice. *Physical Review B*, **2003**, 67,	3.3	22
109	Entanglement versus relaxation and decoherence in a quantum algorithm for quantum chaos. *Physical Review A*, **2003**, 67,	2.6	32
108	Quantum computing of quantum chaos in the kicked rotator model. *Physical Review E*, **2003**, 67, 046220	2.4	28
107	Dynamical localization simulated on a few-qubit quantum computer. *Physical Review A*, **2003**, 67,	2.6	28
106	Quantum phase transition in the Frenkel-Kontorova chain: from pinned instanton glass to sliding phonon gas. *Physical Review E*, **2003**, 67, 056209	2.4	13

105	Eigenstates of an operating quantum computer: hypersensitivity to static imperfections. *European Physical Journal D*, **2002**, 20, 293-296	1.3	17
104	Quantum computer inverting time arrow for macroscopic systems. *European Physical Journal D*, **2002**, 19, 263-266	1.3	1
103	Georgeot and Shepelyansky Reply:. *Physical Review Letters*, **2002**, 88,	7.4	7
102	Simulation of chaos-assisted tunneling in a semiclassical regime on existing quantum computers. *Physical Review A*, **2002**, 66,	2.6	5
101	Fractal spin glass properties of low energy configurations in the Frenkel-Kontorova chain. *Physical Review E*, **2002**, 65, 026220	2.4	12
100	Transition to an insulating phase induced by attractive interactions in the disordered three-dimensional Hubbard model. *Physical Review B*, **2002**, 66,	3.3	13
99	Chirikov and Shepelyansky Reply:. *Physical Review Letters*, **2002**, 89,	7.4	10
98	Disorder and superconductivity: a new phase of bi-particle localized states. *European Physical Journal B*, **2001**, 24, 469-473	1.2	3
97	Delocalization of two-particle ring near the Fermi level of 2d Anderson model. *European Physical Journal B*, **2001**, 21, 129-133	1.2	6
96	Emergence of Fermi-Dirac thermalization in the quantum computer core. *European Physical Journal D*, **2001**, 17, 265-272	1.3	39
95	Quantum Chaos and Quantum Computers. *Physica Scripta*, **2001**, T90, 112	2.6	21
94	Quantum computing of quantum chaos and imperfection effects. *Physical Review Letters*, **2001**, 86, 2162-5	7.4	30
93	Repulsive trap for two electrons in a magnetic field. *Physical Review B*, **2001**, 63,	3.3	7
92	Magnetic field effect for two electrons in a two-dimensional random potential. *Physical Review B*, **2001**, 63,	3.3	2
91	Regular and anomalous quantum diffusion in the Fibonacci kicked rotator. *Physical Review E*, **2001**, 63, 066217	2.4	9
90	Stable quantum computation of unstable classical chaos. *Physical Review Letters*, **2001**, 86, 5393-6	7.4	31
89	Exponential gain in quantum computing of quantum chaos and localization. *Physical Review Letters*, **2001**, 86, 2890-3	7.4	59
88	Spin-polarized ground state for interacting electrons in two dimensions. *Physical Review Letters*, **2001**, 86, 5333-6	7.4	17

87	Efficient quantum computing of complex dynamics. *Physical Review Letters*, **2001**, 87, 227901	7.4	69
86	Compressibility crossover and quantum opening of a gap for two-dimensional disordered clusters with Coulomb repulsion. *European Physical Journal B*, **2000**, 17, 515-521	1.2	7
85	Quantum chaos border for quantum computing. *Physical Review E*, **2000**, 62, 3504-7	2.4	128
84	Three-dimensional Anderson transition for two electrons in two dimensions. *Physical Review B*, **2000**, 61, 4588-4591	3.3	19
83	Low-energy transition in spectral statistics of two-dimensional interacting fermions. *Physical Review B*, **2000**, 61, 15546-15549	3.3	15
82	Cooper problem in the vicinity of the Anderson transition. *Physical Review B*, **2000**, 62, 8665-8668	3.3	7
81	Emergence of quantum chaos in the quantum computer core and how to manage it. *Physical Review E*, **2000**, 62, 6366-75	2.4	107
80	Quantum Poincare recurrences for a hydrogen atom in a microwave field. *Physical Review Letters*, **2000**, 84, 4088-91	7.4	13
79	Ground-state properties of the two-dimensional disordered Hubbard model. *Physical Review B*, **2000**, 62, 10680-10686	3.3	6
78	Quantum Poincaré Recurrences. *Physical Review Letters*, **1999**, 82, 524-527	7.4	51
77	Quantum fractal eigenstates. *Physica D: Nonlinear Phenomena*, **1999**, 131, 311-316	3.3	31
76	Quantum ergodicity for electrons in two dimensions. *Annalen Der Physik*, **1999**, 8, 665-673	2.6	7
75	Chaotic enhancement in microwave ionization of Rydberg atoms. *European Physical Journal D*, **1999**, 5, 311-326	1.3	8
74	Asymptotic Statistics of Poincaré Recurrences in Hamiltonian Systems with Divided Phase Space. *Physical Review Letters*, **1999**, 82, 528-531	7.4	74
73	100-photon microwave ionization of Rydberg atoms in a static electric field. *Physical Review A*, **1998**, 57, 1987-1991	2.6	7
72	Integrability and Quantum Chaos in Spin Glass Shards. *Physical Review Letters*, **1998**, 81, 5129-5132	7.4	58
71	Few interacting particles in a random potential. *Europhysics Letters*, **1997**, 37, 121-126	1.6	26
70	Low-energy chaos in the Fermi - Pasta - Ulam problem. *Nonlinearity*, **1997**, 10, 1331-1338	1.7	48

69	Quantum Localization in Rough Billiards. *Physical Review Letters*, **1997**, 78, 1440-1443	7.4	75
68	Breit-Wigner Width for Two Interacting Particles in a One-Dimensional Random Potential. *Physical Review Letters*, **1997**, 78, 923-926	7.4	18
67	Two Interacting Quasiparticles Above the Fermi Sea. *Physical Review Letters*, **1997**, 78, 4986-4989	7.4	29
66	Relaxation process in a regime of quantum chaos. *Physical Review E*, **1997**, 56, R6233-R6236	2.4	36
65	Chaotic enhancement of hydrogen-atom excitation in magnetic and microwave fields. *Physical Review A*, **1997**, 56, 3297-3300	2.6	7
64	Breit-Wigner Width and Inverse Participation Ratio in Finite Interacting Fermi Systems. *Physical Review Letters*, **1997**, 79, 4365-4368	7.4	57
63	Emergence of Quantum Ergodicity in Rough Billiards. *Physical Review Letters*, **1997**, 79, 1833-1836	7.4	36
62	Emergence of Quantum Chaos in Finite Interacting Fermi Systems. *Physical Review Letters*, **1997**, 79, 1837-1840	7.4	166
61	Two interacting Hofstadter butterflies. *Physical Review B*, **1997**, 55, 9524-9533	3.3	8
60	Dynamical localization: Hydrogen atoms in magnetic and microwave fields. *Physical Review A*, **1997**, 55, 1732-1735	2.6	12
59	Particle propagation in a random and quasi-periodic potential. *Physica D: Nonlinear Phenomena*, **1997**, 109, 24-31	3.3	25
58	Effect of noise for two interacting particles in a random potential. *Europhysics Letters*, **1996**, 35, 517-522	1.6	1
57	Chaos in a quasiclassical hadronic atom. *Physical Review A*, **1996**, 53, 737-743	2.6	11
56	Universal diffusion near the golden chaos border. *Physical Review Letters*, **1996**, 76, 3300-3303	7.4	9
55	Double Butterfly Spectrum for Two Interacting Particles in the Harper Model. *Physical Review Letters*, **1996**, 77, 4752-4755	7.4	23
54	Two interacting particles in the Harper model. *Physical Review B*, **1996**, 54, 14896-14898	3.3	21
53	Quantum localization, chaos and nonlinear interactions. *Physica D: Nonlinear Phenomena*, **1995**, 86, 45-52	3.3	2
52	Adiabatic destruction of Anderson localization. *Physical Review E*, **1995**, 51, 1026-1029	2.4	8

51	Chaotic Landau level mixing in classical and quantum wells. *Physical Review Letters*, **1995**, 74, 2098-2101	7.4	47
50	Hidden Breit-Wigner distribution and other properties of random matrices with preferential basis. *Physical Review Letters*, **1995**, 75, 3501-3504	7.4	65
49	Shnirelman Peak in Level Spacing Statistics. *Physical Review Letters*, **1995**, 74, 518-521	7.4	35
48	Benvenuto, Casati, and Shepelyansky Reply. *Physical Review Letters*, **1995**, 74, 3496	7.4	3
47	Enhancement of localization length for two interacting kicked rotators. *Nonlinearity*, **1995**, 8, 877-890	1.7	28
46	Spectral Variety in the Kicked Harper Model. *Europhysics Letters*, **1995**, 29, 117-122	1.6	15
45	Analytical determination of stable configurations in doubly excited atoms and ions. *Journal of Physics B: Atomic, Molecular and Optical Physics*, **1994**, 27, L235-L238	1.3	8
44	Chaotic and ballistic dynamics for two-dimensional electrons in periodic magnetic fields. *Physical Review B*, **1994**, 49, 7418-7423	3.3	20
43	Coherent propagation of two interacting particles in a random potential. *Physical Review Letters*, **1994**, 73, 2607-2610	7.4	279
42	Chaotic autoionization of molecular Rydberg states. *Physical Review Letters*, **1994**, 72, 1818-1821	7.4	31
41	Kramers-map approach for stabilization of a hydrogen atom in a monochromatic field. *Physical Review A*, **1994**, 50, 575-583	2.6	6
40	Rydberg stabilization of atoms in strong fields: the "magic mountain" in the chaotic sea. *European Physical Journal B*, **1994**, 94, 481-486	1.2	18
39	Breaking of Analyticity in 2 Coupled Frenkel-Kontorova Chains. *Europhysics Letters*, **1993**, 21, 413-418	1.6	3
38	Classical stabilization of the hydrogen atom in a monochromatic field. *Physical Review A*, **1993**, 47, R786-R789	2.6	31
37	Delocalization of quantum chaos by weak nonlinearity. *Physical Review Letters*, **1993**, 70, 1787-1790	7.4	160
36	Quantum Evolution in a Dynamical Quasi-Crystal. *Europhysics Letters*, **1992**, 20, 95-100	1.6	17
35	Fractal spectrum and anomalous diffusion in the kicked Harper model. *Physical Review Letters*, **1992**, 68, 3826-3829	7.4	67
34	Stability of Rydberg atoms in a strong laser field. *Physical Review A*, **1992**, 45, R7670-R7673	2.6	43

33	Diffusion over localized adiabatic states in a modulated quantum kicked rotator. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **1991**, 154, 19-23	2.3	11
32	Localization and level statistics in a one-dimensional solid state model with periodically modulated potential. *European Physical Journal B*, **1991**, 82, 347-350	1.2	
31	A quantum transition from localized to extended states in a classically chaotic system. *European Physical Journal B*, **1991**, 84, 159-163	1.2	32
30	Manifestation of Localization in Noise-Induced Ionization and Dissociation. *Europhysics Letters*, **1991**, 16, 643-648	1.6	17
29	A Solid-State Model for Photonic Localization in Molecular Quasi-Continua. *Europhysics Letters*, **1991**, 14, 211-215	1.6	14
28	Breakdown of Universality in Renormalization Dynamics for Critical Invariant Torus. *Europhysics Letters*, **1991**, 15, 381-386	1.6	24
27	Statistics of quantum lifetimes in a classically chaotic system. *Physical Review A*, **1991**, 43, 4517-4520	2.6	52
26	Dynamical localization in Josephson junctions. *Physical Review Letters*, **1991**, 67, 255-258	7.4	42
25	Manifestations of classical and quantum chaos in nonlinear wave propagation. *Physical Review A*, **1991**, 44, R3423-R3426	2.6	31
24	Fast delocalization in a model of quantum kicked rotator. *Physical Review Letters*, **1991**, 67, 1377-1380	7.4	93
23	Destruction of classical cantori in the quantum Frenkel-Kontorova model. *European Physical Journal B*, **1990**, 79, 133-142	1.2	15
22	Classical chaos, quantum localization and fluctuations: A unified view. *Physica A: Statistical Mechanics and Its Applications*, **1990**, 163, 205-214	3.3	45
21	Quantum effects in the Frenkel-Kontorova model. *Physical Review Letters*, **1989**, 63, 2010-2012	7.4	18
20	Anderson transition in a one-dimensional system with three incommensurate frequencies. *Physical Review Letters*, **1989**, 62, 345-348	7.4	136
19	Quantum chaos: Localization vs. ergodicity. *Physica D: Nonlinear Phenomena*, **1988**, 33, 77-88	3.3	131
18	Hydrogen atom in monochromatic field: chaos and dynamical photonic localization. *IEEE Journal of Quantum Electronics*, **1988**, 24, 1420-1444	2	214
17	Renormalization chaos and motion statistical properties. *Physical Review Letters*, **1988**, 61, 1039	7.4	9
16	The Kicked Rotator as a Limit of the Kicked Top. *Europhysics Letters*, **1988**, 5, 671-676	1.6	19

15	Exponential photonic localization for the hydrogen atom in a monochromatic field. *Physical Review A*, **1987**, 36, 3501-3504	2.6	57
14	Localization of diffusive excitation in the two-dimensional hydrogen atom in a monochromatic field. *Physical Review Letters*, **1987**, 59, 2927-2930	7.4	30
13	Relevance of classical chaos in quantum mechanics: The hydrogen atom in a monochromatic field. *Physics Reports*, **1987**, 154, 77-123	27.7	331
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