

Peter Jung

List of Publications by Year in descending order

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42
papers

10,527
citations

212478

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43
docs citations

43
times ranked

6417
citing authors

#	ARTICLE	IF	CITATIONS
1	C-RAN-Assisted Non-Coherent Grant-Free Random Access Based on Compute-and-Forward. , 2018, , .		0
2	Towards Massive Connectivity Support for Scalable mMTC Communications in 5G Networks. IEEE Access, 2018, 6, 28969-28992.	2.6	188
3	Compressive Random Access Using a Common Overloaded Control Channel. , 2015, , .		43
4	5GNOW: non-orthogonal, asynchronous waveforms for future mobile applications. IEEE Communications Magazine, 2014, 52, 97-105.	4.9	1,043
5	Nearly Doubling the Throughput of Multiuser MIMO Systems Using Codebook Tailored Limited Feedback Protocol. IEEE Transactions on Wireless Communications, 2012, 11, 3921-3931.	6.1	15
6	Energetics of stochastic resonance. Chaos, 2011, 21, 047516.	1.0	14
7	The Role of agonist-independent conformational transformation (AICT) in IP3 cluster behavior. Cell Calcium, 2011, 49, 145-152.	1.1	5
8	Stochastic processes in physics and chemistry (in honor of Peter HÄnggi). Chemical Physics, 2010, 375, 131-132.	0.9	4
9	Entropically modified spiking ability and periodicity in clustered channels. Physical Review E, 2010, 81, 051913.	0.8	5
10	Astrocytes Optimize the Synaptic Transmission of Information. PLoS Computational Biology, 2008, 4, e1000088.	1.5	61
11	Colored Noise in Dynamical Systems. Advances in Chemical Physics, 2007, , 239-326.	0.3	240
12	Modeling synaptic transmission of the tripartite synapse. Physical Biology, 2007, 4, 1-9.	0.8	132
13	Modeling Ca ²⁺ signaling differentiation during oocyte maturation. Cell Calcium, 2007, 42, 556-564.	1.1	47
14	Modeling the Statistics of Elementary Calcium Release Events. Biophysical Journal, 2006, 90, 3485-3495.	0.2	40
15	Thermal activation by power-limited coloured noise. New Journal of Physics, 2005, 7, 17-17.	1.2	14
16	Mathematical modeling of intracellular and intercellular calcium signaling. Advances in Molecular and Cell Biology, 2003, , 689-706.	0.1	2
17	Stochastic Properties of Ca ²⁺ Release of Inositol 1,4,5-Trisphosphate Receptor Clusters. Biophysical Journal, 2002, 83, 87-97.	0.2	176
18	Noise Driven Avalanche Behavior in Subexcitable Media. Physical Review Letters, 1999, 82, 855-858.	2.9	118

#	ARTICLE	IF	CITATIONS
19	Stochastic resonance. <i>Reviews of Modern Physics</i> , 1998, 70, 223-287.	16.4	5,136
20	Colored noise in dynamical systems: Some exact solutions. , 1997, , 23-31.		4
21	Dye laser with pump and quantum noise. <i>Physical Review A</i> , 1996, 54, 755-759.	1.0	8
22	Stochastic resonance in optical bistable systems: Amplification and generation of higher harmonics. <i>Chaos, Solitons and Fractals</i> , 1995, 5, 1775-1778.	2.5	4
23	Spatiotemporal Stochastic Resonance in Excitable Media. <i>Physical Review Letters</i> , 1995, 74, 2130-2133.	2.9	335
24	Suppression of higher harmonics at noise induced resonances. <i>Physical Review E</i> , 1995, 51, 2640-2643.	0.8	33
25	Threshold devices: Fractal noise and neural talk. <i>Physical Review E</i> , 1994, 50, 2513-2522.	0.8	91
26	Brownian parametric oscillators. <i>Physical Review E</i> , 1994, 49, 3626-3635.	0.8	45
27	Stochastic resonance in optical bistable systems. <i>Physical Review E</i> , 1994, 49, 3930-3939.	0.8	88
28	Periodically driven stochastic systems. <i>Physics Reports</i> , 1993, 234, 175-295.	10.3	448
29	Can colored noise improve stochastic resonance?. <i>Journal of Statistical Physics</i> , 1993, 70, 25-47.	0.5	159
30	Hopping and phase shifts in noisy periodically driven bistable systems. <i>European Physical Journal B</i> , 1993, 90, 255-260.	0.6	35
31	Collective response in globally coupled bistable systems. <i>Physical Review A</i> , 1992, 46, R1709-R1712.	1.0	169
32	Amplification of small signals via stochastic resonance. <i>Physical Review A</i> , 1991, 44, 8032-8042.	1.0	586
33	Effect of Periodic Driving on the Escape in Periodic Potentials. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , 1991, 95, 311-318.	0.9	21
34	Tunneling in a periodically driven bistable system. <i>European Physical Journal B</i> , 1991, 84, 315-325.	0.6	201
35	Resonantly driven Brownian motion: Basic concepts and exact results. <i>Physical Review A</i> , 1990, 41, 2977-2988.	1.0	126
36	Invariant measure of a driven nonlinear oscillator with external noise. <i>Physical Review Letters</i> , 1990, 65, 3365-3368.	2.9	27

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37	Scaling law for dynamical hysteresis. <i>Physical Review Letters</i> , 1990, 65, 1873-1876.	2.9	172
38	Escape-time distributions of a periodically modulated bistable system with noise. <i>Physical Review A</i> , 1990, 42, 3161-3169.	1.0	226
39	Escape driven by strongly correlated noise. <i>Journal of Statistical Physics</i> , 1989, 54, 1367-1380.	0.5	73
40	Optical instabilities: new theories for colored-noise-driven laser instabilities. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1988, 5, 979.	0.9	55
41	Bistability and Colored Noise in Nonequilibrium Systems: Theory versus Precise Numerics. <i>Physical Review Letters</i> , 1988, 61, 11-14.	2.9	63
42	Dynamical systems: A unified colored-noise approximation. <i>Physical Review A</i> , 1987, 35, 4464-4466.	1.0	272