

Tsampikos Kottos

List of Publications by Year in descending order

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90
papers

5,949
citations

172457

29
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71685

76
g-index

90
all docs

90
docs citations

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times ranked

2628
citing authors

#	ARTICLE	IF	CITATIONS
1	Unidirectional Invisibility Induced by $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mi mathvariant="script"} \rangle P \langle \text{mml:mi mathvariant="script"} \rangle T \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -Symmetric Periodic Structures. Physical Review Letters, 2011, 106, 213901.	7.8	1,496
2	Experimental study of active <i>LRC</i> circuits with $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mi mathvariant="script"} \rangle PT \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ symmetries. Physical Review A, 2011, 84, .	2.5	672
3	Unidirectional nonlinear $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi mathvariant="script"} \rangle PT \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ -symmetric optical structures. Physical Review A, 2010, 82, .	2.5	571
4	Quantum Chaos on Graphs. Physical Review Letters, 1997, 79, 4794-4797.	7.8	373
5	Observation of Asymmetric Transport in Structures with Active Nonlinearities. Physical Review Letters, 2013, 110, 234101.	7.8	262
6	$\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi mathvariant="script"} \rangle PT \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ -symmetric electronics. Journal of Physics A: Mathematical and Theoretical, 2012, 45, 444029.	2.1	231
7	$\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi mathvariant="script"} \rangle PT \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ optical lattices and universality in beam dynamics. Physical Review A, 2010, 82, .	2.5	212
8	Broken symmetry makes light work. Nature Physics, 2010, 6, 166-167.	16.7	194
9	Chaotic Scattering on Graphs. Physical Review Letters, 2000, 85, 968-971.	7.8	123
10	Optical isolation via ?? -symmetric nonlinear Fano resonances. Optics Express, 2014, 22, 9574.	3.4	119
11	Experimental observation of the dual behavior of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mi mathvariant="script"} \rangle PT \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -symmetric scattering. Physical Review A, 2012, 85, .	2.5	111
12	Enhanced Sensing and Nondegraded Thermal Noise Performance Based on $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi mathvariant="script"} \rangle P \langle \text{mml:mi} \rangle \langle \text{mml:mi mathvariant="script"} \rangle T \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ -Symmetric Electronic Circuits with a Sixth-Order Exceptional Point. Physical Review Letters, 2019, 123, 213901.	7.8	109
13	Bypassing the bandwidth theorem with $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mi mathvariant="script"} \rangle PT \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ symmetry. Physical Review A, 2012, 85, .	2.5	107
14	Bragg solitons in nonlinear $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mi mathvariant="script"} \rangle PT \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -symmetric periodic potentials. Physical Review A, 2012, 86, .	2.5	95
15	Experimental Realization of Floquet $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mi mathvariant="script"} \rangle P \langle \text{mml:mi} \rangle \langle \text{mml:mi mathvariant="script"} \rangle T \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -Symmetric Systems. Physical Review Letters, 2017, 119, 093901.	7.8	92
16	Exceptional-point dynamics in photonic honeycomb lattices with PT symmetry. Physical Review A, 2012, 85, .	2.5	90
17	Quantum dynamics in the bosonic Josephson junction. Physical Review A, 2010, 82, .	2.5	72
18	Bifurcations in resonance widths of an open Bose-Hubbard dimer. Physical Review A, 2006, 73, .	2.5	47

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19	Scars on Quantum Networks Ignore the Lyapunov Exponent. <i>Physical Review Letters</i> , 2003, 90, 234101.	7.8	46
20	Complexity in parametric Bose-Hubbard Hamiltonians and structural analysis of eigenstates. <i>Physical Review A</i> , 2006, 73, .	2.5	44
21	Unidirectional Lasing Emerging from Frozen Light in Nonreciprocal Cavities. <i>Physical Review Letters</i> , 2014, 112, 043904.	7.8	43
22	Wave-packet dynamics in energy space of a chaotic trimeric Bose-Hubbard system. <i>Physical Review A</i> , 2009, 79, .	2.5	42
23	Concept of a reflective power limiter based on nonlinear localized modes. <i>Physical Review A</i> , 2014, 89, .	2.5	41
24	Experimental Realization of a Reflective Optical Limiter. <i>Physical Review Applied</i> , 2016, 5, .	3.8	41
25	Random Matrix Theory Approach to Chaotic Coherent Perfect Absorbers. <i>Physical Review Letters</i> , 2017, 118, 044101.	7.8	41
26	Light localization induced by a random imaginary refractive index. <i>Physical Review A</i> , 2014, 90, .	2.5	38
27	Perfect absorption in complex scattering systems with or without hidden symmetries. <i>Nature Communications</i> , 2020, 11, 5826.	12.8	33
28	Quantum graphs: a model for quantum chaos. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2001, 9, 523-530.	2.7	31
29	Reconfigurable Directional Lasing Modes in Cavities with Generalized Symmetry. <i>Physical Review Letters</i> , 2014, 112, 253902.	7.8	29
30	Distribution of zeros of the S -matrix of chaotic cavities with localized losses and coherent perfect absorption: non-perturbative results. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2017, 50, 30LT01.	2.1	28
31	Reflective optical limiter based on resonant transmission. <i>Physical Review A</i> , 2015, 91, .	2.5	27
32	Floquet-Network Theory of Nonreciprocal Transport. <i>Physical Review Applied</i> , 2018, 9, .	3.8	27
33	Environmentally Induced Exceptional Points in Elastodynamics. <i>Physical Review Applied</i> , 2020, 13, .	3.8	26
34	Light transport in random media with PT symmetry. <i>Physical Review A</i> , 2012, 85, .	2.5	24
35	Optical Phase Transitions in Photonic Networks: a Spin-System Formulation. <i>Physical Review X</i> , 2020, 10, .	8.9	21
36	Thermalization of strongly disordered nonlinear chains. <i>Physical Review E</i> , 2011, 83, 062103.	2.1	19

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37	Frozen mode regime in finite periodic structures. Physical Review B, 2017, 96, .	3.2	18
38	Adiabatic Thermal Radiation Pumps for Thermal Photonics. Physical Review Letters, 2019, 123, 165901.	7.8	17
39	Light scattering in pseudopassive media with uniformly balanced gain and loss. Physical Review A, 2015, 91, .	2.5	16
40	Nonreciprocity in Photonic Structures with Phase-Change Components. Physical Review Applied, 2019, 11, .	3.8	16
41	Waveguide photonic limiters based on topologically protected resonant modes. Physical Review B, 2017, 95, .	3.2	15
42	Asymmetric acoustic energy transport in non-Hermitian metamaterials. Journal of the Acoustical Society of America, 2019, 146, 863-872.	1.1	15
43	Extreme Nonreciprocal Near-Field Thermal Radiation via Floquet Photonics. Physical Review Letters, 2021, 126, 204101.	7.8	15
44	Non-linear coherent perfect absorption in the proximity of exceptional points. Communications Physics, 2022, 5, .	5.3	15
45	Orientation-sensed optomechanical accelerometers based on exceptional points. Physical Review Research, 2020, 2, .	3.6	14
46	Statistical properties of resonance widths for open quantum graphs. Waves in Random and Complex Media, 2004, 14, S91-S105.	1.5	13
47	Floquet scattering theory based on effective Hamiltonians of driven systems. Physical Review B, 2018, 98, .	3.2	13
48	Non-Hermitian C -Symmetric Spectral Protection of Nonlinear Defect Modes. Physical Review Letters, 2020, 125, 113901.	7.8	13
49	Enhanced energy harvesting near exceptional points in systems with (pseudo-)PT-symmetry. Communications Physics, 2021, 4, .	5.3	12
50	Robust Scattered Fields from Adiabatically Driven Targets around Exceptional Points. Physical Review Letters, 2020, 124, 133905.	7.8	10
51	Coherent virtual absorption of light in microring resonators. Physical Review Research, 2020, 2, .	3.6	10
52	Effects of disorder in frozen-mode light. Optics Letters, 2019, 44, 2891.	3.3	10
53	Dynamically modulated perfect absorbers. Physical Review A, 2019, 99, .	2.5	9
54	Self-Shielded Topological Receiver Protectors. Physical Review Applied, 2020, 13, .	3.8	9

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55	Controlling optical beam thermalization via band-gap engineering. <i>Physical Review Research</i> , 2021, 3, .	3.6	9
56	Hypersensitive Transport in Photonic Crystals with Accidental Spatial Degeneracies. <i>Scientific Reports</i> , 2016, 6, 22169.	3.3	8
57	Driving-induced metamorphosis of transport in arrays of coupled resonators. <i>Physical Review A</i> , 2018, 97, .	2.5	8
58	Ab initio description of nonlinear dynamics of coupled microdisk resonators with application to self-trapping dynamics. <i>Physical Review A</i> , 2011, 83, .	2.5	7
59	Statistical description of transport in multimode fibers with mode-dependent loss. <i>New Journal of Physics</i> , 2018, 20, 113028.	2.9	7
60	Universal route for the emergence of exceptional points in PT-symmetric metamaterials with unfolding spectral symmetries. <i>New Journal of Physics</i> , 2021, 23, 063079.	2.9	7
61	Enhanced nonlinear instabilities in photonic circuits with exceptional point degeneracies. <i>Photonics Research</i> , 2020, 8, 737.	7.0	7
62	Random-matrix modeling of semilinear response, the generalized variable-range hopping picture, and the conductance of mesoscopic rings. <i>Physical Review B</i> , 2010, 81, .	3.2	6
63	Floquet protocols of adiabatic state flips and reallocation of exceptional points. <i>Physical Review A</i> , 2018, 97, .	2.5	6
64	Statistical design of chaotic waveforms with enhanced targeting capabilities. <i>Physical Review B</i> , 2018, 98, .	3.2	6
65	Scaling theory of absorption in the frozen mode regime. <i>Optics Letters</i> , 2021, 46, 3053.	3.3	6
66	Linear thermal circulator based on Coriolis forces. <i>Physical Review E</i> , 2015, 91, 020101.	2.1	5
67	Microwave Limiters Implemented by Coupled Dielectric Resonators Based on a Topological Defect Mode and CT-Symmetry Breaking. <i>Acta Physica Polonica A</i> , 2019, 136, 790-796.	0.5	5
68	Controlled quantum stirring of Bose-Einstein condensates. <i>Physical Review A</i> , 2008, 78, .	2.5	4
69	Self-regulated transport in photonic crystals with phase-changing defects. <i>Physical Review A</i> , 2018, 97, .	2.5	4
70	Reflective limiters based on self-induced violation of CT symmetry. <i>Physical Review A</i> , 2018, 97, .	2.5	4
71	Enhanced avionic sensing based on Wigner's cusp anomalies. <i>Science Advances</i> , 2021, 7, .	10.3	4
72	A reflective millimeter-wave photonic limiter. <i>Science Advances</i> , 2022, 8, eabh1827.	10.3	4

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73	Matter-wave scattering on a BEC in a double-well potential. <i>European Physical Journal D</i> , 2011, 63, 55-61.	1.3	3
74	Single-mode lasing by selective mode pairing. <i>Science</i> , 2019, 363, 586-587.	12.6	3
75	Scaling properties of delay times in one-dimensional random media. <i>Physical Review B</i> , 2008, 77, .	3.2	2
76	Thermal transport in phononic Cayley-tree networks. <i>Physical Review E</i> , 2015, 91, 042125.	2.1	2
77	Low-temperature linear thermal rectifiers based on Coriolis forces. <i>Physical Review E</i> , 2016, 93, 042115.	2.1	2
78	Synthetic Structures with Parity-Time Symmetry. <i>Springer Series in Optical Sciences</i> , 2016, , 147-162.	0.7	2
79	Light-induced optical switching in an asymmetric metal-dielectric microcavity with phase-change material. <i>Europhysics Letters</i> , 2019, 126, 64003.	2.0	2
80	Coherent Wave Propagation in Multimode Systems with Correlated Noise. <i>Physical Review Letters</i> , 2019, 122, 153903.	7.8	2
81	Design Algorithms of Driving-Induced Nonreciprocal Components. <i>Physical Review Applied</i> , 2019, 11, .	3.8	2
82	Implementation of Optimal Thermal Radiation Pumps Using Adiabatically Modulated Photonic Cavities. <i>ACS Photonics</i> , 2021, 8, 2973-2979.	6.6	2
83	Design scalable photonic crystals as reflective optical limiters. , 2016, , .		1
84	Resistor-network anomalies in the heat transport of random harmonic chains. <i>Physical Review E</i> , 2016, 93, 062138.	2.1	1
85	Fidelity in Quasi-1D Systems as a Probe for Anderson Localization. <i>Acta Physica Polonica A</i> , 2009, 116, 756-764.	0.5	1
86	Taming the flow of light via Parity-Time Symmetry. , 2013, , .		0
87	Observation of anomalous diffusion in a 1D optical random dimer. , 2013, , .		0
88	Superballistic transport in hybrid photonic lattices. , 2013, , .		0
89	Hypersensitive transport in asymmetric photonic layered media. , 2016, , .		0
90	Topologically induced optical limiter. , 2017, , .		0