

Jung-Wan Ryu

List of Publications by Year in descending order

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36
papers

804
citations

687335

13
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477281

29
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36
all docs

36
docs citations

36
times ranked

629
citing authors

#	ARTICLE	IF	CITATIONS
1	Anti-synchronization of chaotic oscillators. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2003, 320, 39-46.	2.1	183
2	Quasiscattered Resonances in a Spiral-Shaped Microcavity. <i>Physical Review Letters</i> , 2004, 93, 164102.	7.8	124
3	Nonorthogonal pairs of copropagating optical modes in deformed microdisk cavities. <i>Physical Review A</i> , 2011, 84, .	2.5	78
4	Divergent Petermann factor of interacting resonances in a stadium-shaped microcavity. <i>Physical Review A</i> , 2008, 78, .	2.5	66
5	Scarred resonances and steady probability distribution in a chaotic microcavity. <i>Physical Review A</i> , 2005, 72, .	2.5	57
6	Designing whispering gallery modes via transformation optics. <i>Nature Photonics</i> , 2016, 10, 647-652.	31.4	47
7	Coupled nonidentical microdisks: Avoided crossing of energy levels and unidirectional far-field emission. <i>Physical Review A</i> , 2009, 79, .	2.5	44
8	Directional interacting whispering-gallery modes in coupled dielectric microdisks. <i>Physical Review A</i> , 2006, 74, .	2.5	33
9	Designing coupled microcavity lasers for high-Q modes with unidirectional light emission. <i>Optics Letters</i> , 2011, 36, 1116.	3.3	21
10	Exceptional points in coupled dissipative dynamical systems. <i>Physical Review E</i> , 2015, 91, 052910.	2.1	19
11	Resonances in a circular dielectric cavity. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2008, 372, 3531-3536.	2.1	17
12	Rotationally reconfigurable metamaterials based on moiré phenomenon. <i>Optics Express</i> , 2015, 23, 17443.	3.4	16
13	Flat-band localization and self-collimation of light in photonic crystals. <i>Scientific Reports</i> , 2019, 9, 2862.	3.3	15
14	Husimi functions at gradient index cavities designed by conformal transformation optics. <i>Optics Express</i> , 2018, 26, 6851.	3.4	10
15	Stabilization of a chaotic laser and quenching. <i>Applied Physics Letters</i> , 2005, 86, 181104.	3.3	9
16	Optimization of conformal whispering gallery modes in limaçon-shaped transformation cavities. <i>Scientific Reports</i> , 2019, 9, 8506.	3.3	9
17	Quantum localization in open chaotic systems. <i>Physical Review E</i> , 2008, 78, 037201.	2.1	7
18	Stochastic thermodynamics of inertial-like Stuart–Landau dimer. <i>New Journal of Physics</i> , 2021, 23, 105005.	2.9	7

#	ARTICLE	IF	CITATIONS
19	Antiresonance induced by symmetry-broken contacts in quasi-one-dimensional lattices. <i>Physical Review B</i> , 2017, 96, .	3.2	6
20	Oscillation Quenching in Coupled Different Oscillators. <i>Journal of the Korean Physical Society</i> , 2009, 55, 395-399.	0.7	6
21	Reconfiguration of quantum states in $\mathbb{P}T$ -symmetric quasi-one-dimensional lattices. <i>Scientific Reports</i> , 2017, 7, 8746.	3.3	5
22	Amplitude death in a ring of nonidentical nonlinear oscillators with unidirectional coupling. <i>Chaos</i> , 2017, 27, 083119.	2.5	5
23	Quantum Transport and Non-Hermiticity on Flat-Band Lattices. <i>Journal of Low Temperature Physics</i> , 2018, 191, 49-60.	1.4	5
24	Terahertz beat frequency generation from two-mode lasing operation of coupled microdisk laser. <i>Optics Letters</i> , 2012, 37, 3210.	3.3	4
25	Characteristics of Lasing Modes in a Spiral-Shaped Microcavity. <i>Progress of Theoretical Physics Supplement</i> , 2007, 166, 112-118.	0.1	3
26	Boundary integral equation method for resonances in gradient index cavities designed by conformal transformation optics. <i>Scientific Reports</i> , 2019, 9, 19684.	3.3	3
27	Salient role of the non-Hermitian coupling for optimizing conditions in multiple maximizations of inter-cavity light transfer. <i>Optics Express</i> , 2021, 29, 19998.	3.4	2
28	Abnormal high-Q modes of coupled stadium-shaped microcavities. <i>Optics Letters</i> , 2014, 39, 4196.	3.3	1
29	Nonorientability-induced PT phase transition in ladder lattices. <i>Physical Review A</i> , 2021, 103, .	2.5	1
30	Transformation cavities with a narrow refractive index profile. <i>Optics Letters</i> , 2021, 46, 1900.	3.3	1
31	Mode Exchange by Cyclic Parameter Variation in Dielectric Microcavity. , 2007, , .		0
32	Symmetric Interacting Whispering Gallery Modes in Coupled Dielectric Microdisks. , 2007, , .		0
33	Designing whispering gallery modes via transformation optics. , 2015, , .		0
34	Designing whispering gallery modes via transformation optics. , 2016, , .		0
35	Double-layered transformation cavities: Crossover between local and global transformations. <i>Physical Review A</i> , 2022, 105, .	2.5	0
36	Mesoscopic Möbius ladder lattices as non-Hermitian model systems. <i>Journal of Physics A: Mathematical and Theoretical</i> , 0, , .	2.1	0