

Jung-Wan Ryu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1914630/publications.pdf>

Version: 2024-02-01

36
papers

804
citations

687363

13
h-index

477307

29
g-index

36
all docs

36
docs citations

36
times ranked

629
citing authors

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

#	ARTICLE	IF	CITATIONS
19	Antiresonance induced by symmetry-broken contacts in quasi-one-dimensional lattices. Physical Review B, 2017, 96, .	3.2	6
20	Oscillation Quenching in Coupled Different Oscillators. Journal of the Korean Physical Society, 2009, 55, 395-399.	0.7	6
21	Reconfiguration of quantum states in \mathcal{PT} -symmetric quasi-one-dimensional lattices. Scientific Reports, 2017, 7, 8746.	3.3	5
22	Amplitude death in a ring of nonidentical nonlinear oscillators with unidirectional coupling. Chaos, 2017, 27, 083119.	2.5	5
23	Quantum Transport and Non-Hermiticity on Flat-Band Lattices. Journal of Low Temperature Physics, 2018, 191, 49-60.	1.4	5
24	Terahertz beat frequency generation from two-mode lasing operation of coupled microdisk laser. Optics Letters, 2012, 37, 3210.	3.3	4
25	Characteristics of Lasing Modes in a Spiral-Shaped Microcavity. Progress of Theoretical Physics Supplement, 2007, 166, 112-118.	0.1	3
26	Boundary integral equation method for resonances in gradient index cavities designed by conformal transformation optics. Scientific Reports, 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. Optics Express, 2021, 29, 19998.	3.4	2
28	Abnormal high-Q modes of coupled stadium-shaped microcavities. Optics Letters, 2014, 39, 4196.	3.3	1
29	Nonorientability-induced \mathcal{PT} phase transition in ladder lattices. Physical Review A, 2021, 103, .	2.5	1
30	Transformation cavities with a narrow refractive index profile. Optics Letters, 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. Physical Review A, 2022, 105, .	2.5	0
36	Mesoscopic $\mathcal{M}\tilde{\mathcal{A}}\tilde{\mathcal{B}}$ ladder lattices as non-Hermitian model systems. Journal of Physics A: Mathematical and Theoretical, 0, , .	2.1	0