

Seng Fatt Liew

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

1,895
citations

430442

18
h-index

580395

25
g-index

28
all docs

28
docs citations

28
times ranked

2259
citing authors

#	ARTICLE	IF	CITATIONS
1	Compact spectrometer based on a disordered photonic chip. Nature Photonics, 2013, 7, 746-751.	15.6	424
2	Biomimetic Isotropic Nanostructures for Structural Coloration. Advanced Materials, 2010, 22, 2939-2944.	11.1	345
3	How Noniridescent Colors Are Generated by Quasi-ordered Structures of Bird Feathers. Advanced Materials, 2010, 22, 2871-2880.	11.1	228
4	Evanescently coupled multimode spiral spectrometer. Optica, 2016, 3, 956.	4.8	96
5	Control of Lasing in Biomimetic Structures with Short-Range Order. Physical Review Letters, 2011, 106, 183901.	2.9	77
6	Correlation-enhanced control of wave focusing in disordered media. Nature Physics, 2017, 13, 497-502.	6.5	77
7	Active control of emission directionality of semiconductor microdisk lasers. Applied Physics Letters, 2014, 104, 231108.	1.5	75
8	Differential Expression of Ecdysone Receptor Leads to Variation in Phenotypic Plasticity across Serial Homologs. PLoS Genetics, 2015, 11, e1005529.	1.5	69
9	Artificial selection for structural color on butterfly wings and comparison with natural evolution. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 12109-12114.	3.3	61
10	Photonic band gaps in three-dimensional network structures with short-range order. Physical Review A, 2011, 84, .	1.0	57
11	Broadband multimode fiber spectrometer. Optics Letters, 2016, 41, 2029.	1.7	57
12	Geometrical structure, multifractal spectra and localized optical modes of aperiodic Vogel spirals. Optics Express, 2012, 20, 3015.	1.7	56
13	Transmission channels for light in absorbing random media: From diffusive to ballistic-like transport. Physical Review B, 2014, 89, .	1.1	53
14	Localized photonic band edge modes and orbital angular momenta of light in a golden-angle spiral. Optics Express, 2011, 19, 23631.	1.7	41
15	Pump-controlled modal interactions in microdisk lasers. Physical Review A, 2015, 91, .	1.0	32
16	Modification of light transmission channels by inhomogeneous absorption in random media. Optics Express, 2015, 23, 11043.	1.7	28
17	Coherent Control of Photocurrent in a Strongly Scattering Photoelectrochemical System. ACS Photonics, 2016, 3, 449-455.	3.2	26
18	Electrically pumped semiconductor laser with low spatial coherence and directional emission. Applied Physics Letters, 2019, 115, .	1.5	22

#	ARTICLE	IF	CITATIONS
19	Control of mesoscopic transport by modifying transmission channels in opaque media. Physical Review B, 2015, 92, .	1.1	19
20	Multiscale patterning of a metallic glass using sacrificial imprint lithography. Microsystems and Nanoengineering, 2015, 1, .	3.4	16
21	Controlling mode competition by tailoring the spatial pump distribution in a laser: a resonance-based approach. Optics Express, 2016, 24, 26006.	1.7	16
22	Lasing modes in polycrystalline and amorphous photonic structures. Physical Review A, 2011, 84, .	1.0	11
23	Structural Color: How Noniridescent Colors Are Generated by Quasi-ordered Structures of Bird Feathers (Adv. Mater. 26-27/2010). Advanced Materials, 2010, 22, n/a-n/a.	11.1	3
24	Controlling a microdisk laser by local refractive index perturbation. Applied Physics Letters, 2016, 108, .	1.5	3
25	Minimum reflection channel in amplifying random media. Physical Review B, 2015, 92, .	1.1	2
26	Localized photonic band edge modes and orbital angular momenta of light in a golden-angle spiral. , 2012, , .		1
27	Broadband multimode fiber spectrometer. , 2016, , .		0
28	Modification of Light Transmission Channels by Inhomogeneous Absorption in Random Media. , 2015, , .		0