

# Seng Fatt Liew

## List of Publications by Citations

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**Version:** 2024-04-25

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

25  
papers

1,364  
citations

17  
h-index

28  
g-index

28  
ext. papers

1,670  
ext. citations

8.4  
avg, IF

4.28  
L-index

#	Paper	IF	Citations
25	Biomimetic isotropic nanostructures for structural coloration. <i>Advanced Materials</i> , <b>2010</b> , 22, 2939-44	24	277
24	Compact spectrometer based on a disordered photonic chip. <i>Nature Photonics</i> , <b>2013</b> , 7, 746-751	33.9	255
23	How noniridescent colors are generated by quasi-ordered structures of bird feathers. <i>Advanced Materials</i> , <b>2010</b> , 22, 2871-80	24	197
22	Control of lasing in biomimetic structures with short-range order. <i>Physical Review Letters</i> , <b>2011</b> , 106, 183901	7.4	65
21	Active control of emission directionality of semiconductor microdisk lasers. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 231108	3.4	60
20	Correlation-enhanced control of wave focusing in disordered media. <i>Nature Physics</i> , <b>2017</b> , 13, 497-502	16.2	52
19	Differential Expression of Ecdysone Receptor Leads to Variation in Phenotypic Plasticity across Serial Homologs. <i>PLoS Genetics</i> , <b>2015</b> , 11, e1005529	6	48
18	Artificial selection for structural color on butterfly wings and comparison with natural evolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 12109-14	11.5	45
17	Transmission channels for light in absorbing random media: From diffusive to ballistic-like transport. <i>Physical Review B</i> , <b>2014</b> , 89,	3.3	45
16	Photonic band gaps in three-dimensional network structures with short-range order. <i>Physical Review A</i> , <b>2011</b> , 84,	2.6	45
15	Evanescently coupled multimode spiral spectrometer. <i>Optica</i> , <b>2016</b> , 3, 956	8.6	44
14	Geometrical structure, multifractal spectra and localized optical modes of aperiodic Vogel spirals. <i>Optics Express</i> , <b>2012</b> , 20, 3015-33	3.3	39
13	Broadband multimode fiber spectrometer. <i>Optics Letters</i> , <b>2016</b> , 41, 2029-32	3	33
12	Localized photonic band edge modes and orbital angular momenta of light in a golden-angle spiral. <i>Optics Express</i> , <b>2011</b> , 19, 23631-42	3.3	28
11	Pump-controlled modal interactions in microdisk lasers. <i>Physical Review A</i> , <b>2015</b> , 91,	2.6	24
10	Modification of light transmission channels by inhomogeneous absorption in random media. <i>Optics Express</i> , <b>2015</b> , 23, 11043-53	3.3	22
9	Coherent Control of Photocurrent in a Strongly Scattering Photoelectrochemical System. <i>ACS Photonics</i> , <b>2016</b> , 3, 449-455	6.3	20

8	Control of mesoscopic transport by modifying transmission channels in opaque media. <i>Physical Review B</i> , <b>2015</b> , 92,	3-3	14
7	Multiscale patterning of a metallic glass using sacrificial imprint lithography. <i>Microsystems and Nanoengineering</i> , <b>2015</b> , 1,	7-7	14
6	Controlling mode competition by tailoring the spatial pump distribution in a laser: a resonance-based approach. <i>Optics Express</i> , <b>2016</b> , 24, 26006-26015	3-3	13
5	Electrically pumped semiconductor laser with low spatial coherence and directional emission. <i>Applied Physics Letters</i> , <b>2019</b> , 115, 071101	3-4	11
4	Lasing modes in polycrystalline and amorphous photonic structures. <i>Physical Review A</i> , <b>2011</b> , 84,	2-6	8
3	Controlling a microdisk laser by local refractive index perturbation. <i>Applied Physics Letters</i> , <b>2016</b> , 108, 051105	3-4	3
2	Minimum reflection channel in amplifying random media. <i>Physical Review B</i> , <b>2015</b> , 92,	3-3	1
1	Structural Color: How Noniridescent Colors Are Generated by Quasi-ordered Structures of Bird Feathers (Adv. Mater. 2607/2010). <i>Advanced Materials</i> , <b>2010</b> , 22, n/a-n/a	24	1