

Heeso Noh

List of Publications by Citations

Source: <https://exaly.com/author-pdf/5308878/heeso-noh-publications-by-citations.pdf>

Version: 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

63

papers

3,025

citations

26

h-index

55

g-index

87

ext. papers

3,465

ext. citations

5.9

avg, IF

4.74

L-index

#	Paper	IF	Citations
63	Time-reversed lasing and interferometric control of absorption. <i>Science</i> , 2011 , 331, 889-92	33.3	508
62	Structure, function, and self-assembly of single network gyroid (I4132) photonic crystals in butterfly wing scales. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 11676-81	11.5	353
61	Biomimetic isotropic nanostructures for structural coloration. <i>Advanced Materials</i> , 2010 , 22, 2939-44	24	277
60	How noniridescent colors are generated by quasi-ordered structures of bird feathers. <i>Advanced Materials</i> , 2010 , 22, 2871-80	24	197
59	Self-assembly of amorphous biophotonic nanostructures by phase separation. <i>Soft Matter</i> , 2009 , 5, 17923,6		186
58	Assembly of optical-scale dumbbells into dense photonic crystals. <i>ACS Nano</i> , 2011 , 5, 6695-700	16.7	149
57	Perfect coupling of light to surface plasmons by coherent absorption. <i>Physical Review Letters</i> , 2012 , 108, 186805	7.4	128
56	Random lasing in closely packed resonant scatterers. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2004 , 21, 159	1.7	120
55	Plasmonic Enhancement of Dye-Sensitized Solar Cells Using Core-shell Nanostructures. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 927-934	3.8	102
54	Structure and optical function of amorphous photonic nanostructures from avian feather barbs: a comparative small angle X-ray scattering (SAXS) analysis of 230 bird species. <i>Journal of the Royal Society Interface</i> , 2012 , 9, 2563-80	4.1	100
53	Coexistence of localized and delocalized surface plasmon modes in percolating metal films. <i>Physical Review Letters</i> , 2006 , 97, 206103	7.4	66
52	Control of lasing in biomimetic structures with short-range order. <i>Physical Review Letters</i> , 2011 , 106, 183901	7.4	65
51	Short-range order and near-field effects on optical scattering and structural coloration. <i>Optics Express</i> , 2011 , 19, 8208-17	3.3	54
50	Near-field intensity correlations in semicontinuous metal-dielectric films. <i>Physical Review Letters</i> , 2005 , 94, 226101	7.4	49
49	The original colours of fossil beetles. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012 , 279, 1114-21	4.4	46
48	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> , 2014 , 111, 12109-14	11.5	45
47	Photonic band gaps in three-dimensional network structures with short-range order. <i>Physical Review A</i> , 2011 , 84,	2.6	45

46	Position-dependent diffusion of light in disordered waveguides. <i>Physical Review Letters</i> , 2014 , 112, 023904	3.4	39
45	Geometrical structure, multifractal spectra and localized optical modes of aperiodic Vogel spirals. <i>Optics Express</i> , 2012 , 20, 3015-33	3.3	39
44	Double scattering of light from Biophotonic Nanostructures with short-range order. <i>Optics Express</i> , 2010 , 18, 11942-8	3.3	34
43	Fossilized biophotonic nanostructures reveal the original colors of 47-million-year-old moths. <i>PLoS Biology</i> , 2011 , 9, e1001200	9.7	34
42	Photonic-band-gap effects in two-dimensional polycrystalline and amorphous structures. <i>Physical Review A</i> , 2010 , 82,	2.6	33
41	Localized photonic band edge modes and orbital angular momenta of light in a golden-angle spiral. <i>Optics Express</i> , 2011 , 19, 23631-42	3.3	28
40	Photoluminescence modification by a high-order photonic band with abnormal dispersion in ZnO inverse opal. <i>Physical Review B</i> , 2008 , 77,	3.3	28
39	Photonic bandgap engineering with inverse opal multistacks of different refractive index contrasts. <i>Applied Physics Letters</i> , 2009 , 95, 091101	3.4	26
38	Lasing in localized modes of a slow light photonic crystal waveguide. <i>Applied Physics Letters</i> , 2011 , 98, 241107	3.4	26
37	Broadband subwavelength focusing of light using a passive sink. <i>Optics Express</i> , 2013 , 21, 17435-46	3.3	25
36	Measurement and autocorrelation analysis of two-dimensional light-scattering patterns from living cells for label-free classification. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2011 , 79, 284-92	4.6	23
35	The fossil record of insect color illuminated by maturation experiments. <i>Geology</i> , 2013 , 41, 487-490	5	19
34	Contribution of double scattering to structural coloration in quasiordered nanostructures of bird feathers. <i>Physical Review E</i> , 2010 , 81, 051923	2.4	19
33	Measurement of the Zeeman-like ac Stark shift. <i>Physical Review A</i> , 2001 , 63,	2.6	19
32	Demonstration of laser action in a pseudorandom medium. <i>Applied Physics Letters</i> , 2010 , 97, 223101	3.4	18
31	Cryptic iridescence in a fossil weevil generated by single diamond photonic crystals. <i>Journal of the Royal Society Interface</i> , 2014 , 11, 20140736	4.1	15
30	Lasing in Thue-Morse structures with optimized aperiodicity. <i>Applied Physics Letters</i> , 2011 , 98, 201109	3.4	14
29	Wavelength-scale microdisks as optical gyroscopes: a finite-difference time-domain simulation study. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2012 , 29, 1648	1.7	13

28	Photonic network laser. <i>Optics Letters</i> , 2011 , 36, 3560-2	3	11
27	Giant resonances near the split band edges of two-dimensional photonic crystals. <i>Physical Review A</i> , 2010 , 82,	2.6	10
26	Fabrication of diffraction gratings by top-down and bottom-up approaches based on scanning probe lithography. <i>Nanoscale</i> , 2019 , 11, 2326-2334	7.7	8
25	Lasing modes in polycrystalline and amorphous photonic structures. <i>Physical Review A</i> , 2011 , 84,	2.6	8
24	Polycrystalline Au Nanomembrane as a Tool for Two-Tone Micro/Nanolithography. <i>Chemistry of Materials</i> , 2017 , 29, 3863-3872	9.6	5
23	Mass Fabrication of 3D Silicon Nano-/Microstructures by Fab-Free Process Using Tip-Based Lithography. <i>Small</i> , 2021 , 17, e2005036	11	5
22	Investigation of the polarization-dependent optical force in optical tweezers by using generalized Lorenz-Mie theory. <i>Journal of the Korean Physical Society</i> , 2015 , 67, 2086-2091	0.6	4
21	Five-fold reduction of lasing threshold near the first Γ -pseudogap of ZnO inverse opals. <i>Journal of Optics (United Kingdom)</i> , 2010 , 12, 024007	1.7	4
20	Radiative energy transfer in disordered photonic crystals. <i>Journal of Physics Condensed Matter</i> , 2009 , 21, 175401	1.8	4
19	Surface plasmon delocalization by short-range correlations in percolating metal systems. <i>Applied Physics B: Lasers and Optics</i> , 2006 , 84, 205-210	1.9	4
18	Effect of Wavelength-Scale Cu ₂ O Particles on the Performance of Photocathodes for Solar Water Splitting. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 24846-24854	3.8	3
17	Investigation of a broadband coherent perfect absorber in a multi-layer structure by using the transfer matrix method. <i>Journal of the Korean Physical Society</i> , 2018 , 72, 66-70	0.6	3
16	Bio-Photonic Waveguide of a DNA-Hybrid Semiconductor Prismatic Hexagon. <i>Advanced Materials</i> , 2020 , 32, e2005238	24	3
15	Compact, High-resolution Inverse-Designed On-Chip Spectrometer Based on Tailored Disorder Modes. <i>Laser and Photonics Reviews</i> , 2021 , 15, 2000556	8.3	3
14	Enhanced absorption by coherent control in a photonic crystal resonator coupled with a microfiber. <i>Optics Letters</i> , 2018 , 43, 5532-5534	3	2
13	Lasing in Amorphous Nanophotonic Structures. <i>Nano-optics and Nanophotonics</i> , 2013 , 227-265	0	2
12	Finite-difference time-domain analysis on light extraction in a GaN light-emitting diode by empirically capable dielectric nano-features. <i>Journal of Applied Physics</i> , 2014 , 116, 184302	2.5	1
11	Frequency-domain acquisition of fourth-order correlation by spectral intensity interferometry. <i>Optics Express</i> , 2013 , 21, 23206-19	3.3	1

10	Structural Color: How Noniridescent Colors Are Generated by Quasi-ordered Structures of Bird Feathers (Adv. Mater. 2627/2010). <i>Advanced Materials</i> , 2010 , 22, n/a-n/a	24	1
9	Nanoscale Coherent Perfect Absorber of Light 2011 ,		1
8	Lasing in an optimized deterministic aperiodic nanobeam cavity. <i>Applied Physics Letters</i> , 2016 , 109, 241106	0.6	0
7	Unidirectional incident wave for an electromagnetic wave simulation using the finite element method. <i>Journal of the Korean Physical Society</i> , 2021 , 78, 587-593	0.6	0
6	Linear Fresnel Lens for a Solar Cell with above 85% Focal Efficiency. <i>Journal of the Korean Physical Society</i> , 2020 , 76, 722-726	0.6	
5	Control of the oscillation threshold with asymmetric gain in operational amplifiers. <i>Journal of the Korean Physical Society</i> , 2016 , 68, 752-755	0.6	
4	Image Scanning Method for Vascular Pattern Recognition. <i>Journal of the Korean Physical Society</i> , 2019 , 75, 218-222	0.6	
3	Bis(4,4-difluoro-1,1-bis(4-terphenyl-2-carboxyl-ato- D)tetra-kis-(methanol- D)calcium methanol tetra-solvate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2013 , 69, m122-3		
2	2D pseudo-random and deterministic aperiodic lasers130-145		
1	One-Way Zero Reflection in an Insulator-Metal-Insulator Structure Using the Transfer Matrix Method. <i>Photonics</i> , 2021 , 8, 8	2.2	