

Snow H Tseng

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

249
citations

933447

10
h-index

996975

15
g-index

42
all docs

42
docs citations

42
times ranked

285
citing authors

#	ARTICLE	IF	CITATIONS
1	Exact solution of Maxwell's equations for optical interactions with a macroscopic random medium. Optics Letters, 2004, 29, 1393.	3.3	26
2	2-D PSTD Simulation of optical phase conjugation for turbidity suppression. Optics Express, 2007, 15, 16005.	3.4	21
3	Simulation of enhanced backscattering of light by numerically solving Maxwell's equations without heuristic approximations. Optics Express, 2005, 13, 3666.	3.4	19
4	Pseudospectral time domain simulations of multiple light scattering in three-dimensional macroscopic random media. Radio Science, 2006, 41, n/a-n/a.	1.6	19
5	Self-formed conductive nanofilaments in (Bi, Mn)O for ultralow-power memory devices. Nano Energy, 2015, 13, 283-290.	16.0	17
6	Optical characteristics of a cluster of closely-packed dielectric spheres. Optics Communications, 2008, 281, 1986-1990.	2.1	15
7	Comparing Monte Carlo simulation and pseudospectral time-domain numerical solutions of Maxwell's equations of light scattering by a macroscopic random medium. Applied Physics Letters, 2007, 91, 051114.	3.3	14
8	PSTD Simulation of optical phase conjugation of light propagating long optical paths. Optics Express, 2009, 17, 5490.	3.4	13
9	Incorporation of anatase TiO ₂ particles into silicone encapsulant for high-performance white LED. Materials Letters, 2015, 143, 244-247.	2.6	11
10	Optimization of GaN wafer bow grown on cone shaped patterned sapphire substrates. Journal of Crystal Growth, 2013, 363, 109-112.	1.5	10
11	Light extraction efficiency enhancement of flip-chip blue light-emitting diodes by anodic aluminum oxide. Beilstein Journal of Nanotechnology, 2018, 9, 1602-1612.	2.8	10
12	Modeling of carrier transport in organic light emitting diode with random dopant effects by two-dimensional simulation. Optics Express, 2017, 25, 25492.	3.4	8
13	Investigation of the noise-like structures of the total scattering cross-section of random media. Optics Express, 2005, 13, 6127.	3.4	7
14	Investigating the Optical Phase Conjugation Reconstruction Phenomenon of Light Multiply Scattered by a Random Medium. IEEE Photonics Journal, 2010, 2, 636-641.	2.0	6
15	An optical target to eliminate impinging light in a light scattering simulation. Computer Physics Communications, 2014, 185, 2504-2509.	7.5	6
16	2-D PSTD Simulation of the time-reversed ultrasound-encoded deep-tissue imaging technique. Biomedical Optics Express, 2014, 5, 882.	2.9	5
17	Increased viewing angle and light extraction efficiency of flip-chip light-emitting diode using double-side patterned sapphire substrate. Scripta Materialia, 2015, 108, 40-43.	5.2	5
18	Exact solution of Maxwell's equations for optical interactions with a macroscopic random medium: addendum. Optics Letters, 2005, 30, 56.	3.3	4

#	ARTICLE	IF	CITATIONS
19	Full EM wave simulation on optical coherence tomography: impact of surface roughness. , 2013, , .		4
20	Tomographic reconstruction of melanin structures of optical coherence tomography via the finite-difference time-domain simulation. , 2015, , .		4
21	A superior design for high power GaN-based light-emitting diode packages. Solid-State Electronics, 2015, 104, 96-100.	1.4	4
22	Applying the Optical Theorem in a Finite-Difference Time-Domain Simulation of Light Scattering. IEEE Transactions on Antennas and Propagation, 2010, 58, 3091-3094.	5.1	3
23	Photoinitiated Polymerization for Active Packaging of Light-Emitting Diodes. IEEE Photonics Journal, 2013, 5, 2500110-2500110.	2.0	3
24	Facile fabrication of spherical silicone encapsulant with Pt nanoparticles for applications as white light-emitting diode. Materials Letters, 2014, 134, 244-247.	2.6	3
25	2-D PSTD Simulation of focusing monochromatic light through a macroscopic scattering medium via optical phase conjugation. Biomedical Optics Express, 2015, 6, 815.	2.9	3
26	Corneal transparency and scleral opacity arises from the nanoarchitecture of the constituent collagen fibrils. Biomedical Optics Express, 2022, 13, 1485.	2.9	3
27	Phase control of semi-polar and non-polar GaN on cone shaped r-plane patterned sapphire substrates. Journal of Crystal Growth, 2013, 371, 11-16.	1.5	2
28	Modeling the sub-diffraction focusing phenomenon of light propagation through scattering medium. Methods, 2018, 136, 75-80.	3.8	2
29	Virtual Optical Experiment: Characterizing the Coherent Effects of Light Scattering through Macroscopic Random Media. Japanese Journal of Applied Physics, 2007, 46, 7966-7969.	1.5	1
30	Optimizing the performance of CPML optical target for light-scattering simulations. Journal of the Optical Society of America B: Optical Physics, 2015, 32, 628.	2.1	1
31	Analysis of the Cross-Sectional Width of the Optical Phase Conjugation Refocusing of Light Multiply Scattered Through Macroscopic Random Media. Journal of Lightwave Technology, 2009, 27, 3919-3922.	4.6	0
32	Simulating the optical phase conjugation phenomenon of light multiply scattered through a macroscopic random medium. Proceedings of SPIE, 2010, , .	0.8	0
33	Simulating the phenomenon of digitally time-reversed ultrasound-encoded light. Proceedings of SPIE, 2013, , .	0.8	0
34	Analysis of phase conjugation in a turbid medium. Proceedings of SPIE, 2014, , .	0.8	0
35	FDTD simulation of an optical absorber based on CPML absorbing boundary condition. Proceedings of SPIE, 2014, , .	0.8	0
36	Analysis of the angular span of the optical phase conjugation phenomenon. Proceedings of SPIE, 2015, , .	0.8	0

#	ARTICLE	IF	CITATIONS
37	Modeling light propagation through scattering medium via numerical solutions of Maxwell's equations. Proceedings of SPIE, 2017, , .	0.8	0
38	Exploring the feasibility of focusing CW light through a scattering medium into closely spaced twin peaks via numerical solutions of Maxwell's equations. Japanese Journal of Applied Physics, 2018, 57, 042001.	1.5	0
39	Extracting Field Information Embedded Within a Coarse Pseudospectral Time-Domain Simulation. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 1488-1491.	4.0	0
40	Manipulating light propagation through scattering media. , 2015, , .		0
41	Simulation analysis of delivering light through turbid media. , 2016, , .		0
42	2-D PSTD Simulation of wave behavior analysis via Optical Phase Conjugation Phenomenon. , 2016, , .		0