Snow H Tseng

List of Publications by Year
in descending order

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	Corneal transparency and scleral opacity arises from the nanoarchitecture of the constituent collagen fibrils. Biomedical Optics Express, 2022, 13, 1485.	2.9	3
2	Exploring the feasibility of focusing CW light through a scattering medium into closely spaced twin peaks via numerical solutions of Maxwellâ€™s equations. Japanese Journal of Applied Physics, 2018, 57, 042001.	1.5	0
3	Modeling the sub-diffraction focusing phenomenon of light propagation through scattering medium. Methods, 2018, 136, 75-80.	3.8	2
4	Extracting Field Information Embedded Within a Coarse Pseudospectral Time-Domain Simulation. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 1488-1491.	4.0	0
5	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
6	Modeling light propagation through scattering medium via numerical solutions of Maxwell's equations. Proceedings of SPIE, 2017, , .	0.8	0
7	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
8	Simulation analysis of delivering light through turbid media. , 2016, , .		0
9	2-D PSTD Simulation of wave behavior analysis via Optical Phase Conjugation Phenomenon. , 2016, , .		0
10	Analysis of the angular span of the optical phase conjugation phenomenon. Proceedings of SPIE, 2015, , .	0.8	0
11	Tomographic reconstruction of melanin structures of optical coherence tomography via the finite-difference time-domain simulation. , 2015, , .		4
12	Incorporation of anatase TiO_2 particles into silicone encapsulant for high-performance white LED. Materials Letters, 2015, 143, 244-247.	2.6	11
13	A superior design for high power GaN-based light-emitting diode packages. Solid-State Electronics, 2015, 104, 96-100.	1.4	4
14	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
15	Self-formed conductive nanofilaments in (Bi, Mn)O for ultralow-power memory devices. Nano Energy, 2015, 13, 283-290.	16.0	17
16	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
17	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
18	Manipulating light propagation through scattering media. , 2015, , .		0

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19	Analysis of phase conjugation in a turbid medium. Proceedings of SPIE, 2014, , .	0.8	0
20	FDTD simulation of an optical absorber based on CPML absorbing boundary condition. Proceedings of SPIE, 2014, , .	0.8	0
21	2-D PSTD Simulation of the time-reversed ultrasound-encoded deep-tissue imaging technique. Biomedical Optics Express, 2014, 5, 882.	2.9	5
22	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
23	An optical target to eliminate impinging light in a light scattering simulation. Computer Physics Communications, 2014, 185, 2504-2509.	7.5	6
24	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
25	Optimization of GaN wafer bow grown on cone shaped patterned sapphire substrates. Journal of Crystal Growth, 2013, 363, 109-112.	1.5	10
26	Photoinitiated Polymerization for Active Packaging of Light-Emitting Diodes. IEEE Photonics Journal, 2013, 5, 2500110-2500110.	2.0	3
27	Simulating the phenomenon of digitally time-reversed ultrasound-encoded light. Proceedings of SPIE, 2013, , .	0.8	0
28	Full EM wave simulation on optical coherence tomography: impact of surface roughness. , 2013, , .		4
29	Simulating the optical phase conjugation phenomenon of light multiply scattered through a macroscopic random medium. Proceedings of SPIE, 2010, , .	0.8	0
30	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
31	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
32	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
33	PSTD Simulation of optical phase conjugation of light propagating long optical paths. Optics Express, 2009, 17, 5490.	3.4	13
34	Optical characteristics of a cluster of closely-packed dielectric spheres. Optics Communications, 2008, 281, 1986-1990.	2.1	15
35	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
36	Comparing Monte Carlo simulation and pseudospectral time-domain numerical solutions of Maxwellâ€™s equations of light scattering by a macroscopic random medium. Applied Physics Letters, 2007, 91, 051114.	3.3	14

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37	2-D PSTD Simulation of optical phase conjugation for turbidity suppression. Optics Express, 2007, 15, 16005.	3.4	21
38	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
39	Simulation of enhanced backscattering of light by numerically solving Maxwell's equations without heuristic approximations. Optics Express, 2005, 13, 3666.	3.4	19
40	Investigation of the noise-like structures of the total scattering cross-section of random media. Optics Express, 2005, 13, 6127.	3.4	7
41	Exact solution of Maxwellâ€™s equations for optical interactions with a macroscopic random medium:?addendum. Optics Letters, 2005, 30, 56.	3.3	4
42	Exact solution of Maxwellâ€™s equations for optical interactions with a macroscopic random medium. Optics Letters, 2004, 29, 1393.	3.3	26