Shun-Cai Zhao

List of Publications by Year
in descending order

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		1307543	1199563
46	219	7	12
papers	citations	h-index	g-index

46	46	46	102
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Differentiation of correlated fluctuations in site energy on excitation energy transfer in photosynthetic light-harvesting complexes. Results in Physics, 2022, , 105597.	4.1	1
2	Photosynthetic properties assisted by the quantum entanglement in two adjacent pigment molecules. European Physical Journal Plus, 2022, 137, .	2.6	3
3	Influence of the coupled-dipoles on photosynthetic performance in a photosynthetic quantum heat engine*. Chinese Physics B, 2021, 30, 044215.	1.4	4
4	Photovoltaic properties enhanced by the tunneling effect in a coupled quantum dot photocell. Results in Physics, 2021, 24, 104094.	4.1	8
5	Photovoltaic performances in a cavity-coupled double quantum dots photocell. Results in Physics, 2021, 27, 104503.	4.1	4
6	Charge-transport enhanced by the quantum entanglement in the photosystem II reaction center. European Physical Journal Plus, 2021, 136, .	2.6	2
7	High quantum yields generated by a multi-band quantum dot photocell. Superlattices and Microstructures, 2020, 137, 106329.	3.1	10
8	Monochromatic Composite Right/Left Handedness in the Quantized Composite Right/Left Handed Transmission Line. Annalen Der Physik, 2020, 532, 1900495.	2.4	0
9	Different roles of quantum interference in a quantum dot photocell with two intermediate bands. European Physical Journal Plus, 2020, 135, 1.	2.6	2
10	Left-handedness in the balanced/unbalanced resonance conditions of a quantized composite right-left handed transmission line. European Physical Journal B, 2020, 93, 1.	1.5	1
11	Inhibiting radiative recombination rate to enhance quantum yields in a quantum photocell*. Chinese Physics B, 2020, 29, 064207.	1.4	2
12	Radiative recombination rate suppressed in a quantum photocell with three electron donors. European Physical Journal Plus, 2020, 135, 1.	2.6	4
13	Enhanced quantum yields and efficiency in a quantum dot photocell modeled by a multi-level system. New Journal of Physics, 2019, 21, 103015.	2.9	12
14	Wider frequency domain for negative refraction index in a quantized composite rightâ€“left handed transmission line. Chinese Physics B, 2018, 27, 068102.	1.4	3
15	Dual peaks evolving into a single-peak for sub-wavelength 2-D atom localization in a V-type atomic system. Chinese Journal of Physics, 2017, 55, 1055-1061.	3.9	0
16	The manipulated left-handedness in a rare-earth-ion-doped optical fiber by the incoherent pumping field. Optics Communications, 2017, 400, 30-33.	2.1	6
17	Localization of coldR87batom simulated by a three-level quantum system within half-wavelength domain. Superlattices and Microstructures, 2017, 106, 184-188.	3.1	0
18	Negative Refraction Index Manipulated by a Displaced Squeezed Fock State in the Mesoscopic Dissipative Left-Handed Transmission Line. Chinese Physics Letters, 2017, 34, 034201.	3.3	3

#	Article	IF	Citations
19	Negative refraction index of the quantum lossy left-handed transmission lines affected by the displaced squeezed Fock state and dissipation. Superlattices and Microstructures, 2017, 105, 209-215.	3.1	3
20	The thermal effect on the left-handedness of the mesoscopic composite right-Left handed transmission line. Superlattices and Microstructures, 2017, 110, 313-318.	3.1	2
21	Negative refraction index of the mesoscopic left-handed transmission line in the thermal Fock state. Optical and Quantum Electronics, 2017, 49, 1.	3.3	4
22	Quantum Effects on Negative Refraction Index of Mesoscopic Left-Handed Transmission Line in Thermal Fock State. Guangzi Xuebao/Acta Photonica Sinica, 2017, 46, 419002.	0.3	0
23	Adjusting the left-handedness in a cold 87 Rb atomic system via multiple parameter modulation. Chinese Journal of Physics, 2016, 54, 756-760.	3.9	5
24	Three-Level &#923-Type Atomic System Localized by the Parameters of the Two Orthogonal Standing-Wave Fields. Journal of Applied Mathematics and Physics, 2016, 04, 1546-1553.	0.4	0
25	2-D isotropic negative refractive index in a N-type four-level atomic system. Open Physics, 2015, 13, .	1.7	1
26	Comparing Two Definitions of Work for a Biological Quantum Heat Engine. Communications in Theoretical Physics, 2015, 64, 409-414.	2.5	1
27	Left-Handedness with Three Zero-Absorption Windows Tuned by the Incoherent Pumping Field and Inter-Dot Tunnelings in a GaAs/AlGaAs Triple Quantum Dots System. Chinese Physics Letters, 2015, 32, 058104.	3.3	3
28	2D isotropic negative permeability in a Î›-type three-level atomic system. Canadian Journal of Physics, 2015, 93, 641-645.	1.1	0
29	Electromagnetically Induced Isotropic 2D Left-handedness in a V-type Three-level Atomic System. Acta Sinica Quantum Optica, 2015, 21, 123-128.	0.1	0
30	Large and tunable negative refractive index via electromagnetically induced chirality in a semiconductor quantum well nanostructure. JETP Letters, 2014, 100, 385-389.	1.4	3
31	Effect of Spontaneously Generated Coherence and Detuning on 2D Atom Localization in Two Orthogonal Standing-Wave Fields. Chinese Physics Letters, 2014, 31, 034206.	3.3	1
32	Algebraic analysis of electromagnetic chirality-induced negative refractive index in a four-level atomic system. European Physical Journal D, 2013, 67, 1.	1.3	24
33	Negative Refraction with Little Loss Manipulated by the Voltage and Pulsed Laser in Double Quantum Dots. Progress of Theoretical Physics, 2012, 128, 243-250.	2.0	11
34	Negative refraction with low absorption using EIT in a four-level left-handed atomic system. Optik, 2012, 123, 1063-1066.	2.9	7
35	Negative refraction with absorption suppressed by electromagnetically induced transparency in a left-handed atomic system. Science China: Physics, Mechanics and Astronomy, 2012, 55, 213-218.	5.1	6
36	Effect of spontaneously generated coherence on left-handedness in a degeneracy atomic system. JETP Letters, 2011, 94, 347-352.	1.4	6

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37	Electromagnetic chirality-induced negative refraction with the same amplitude and anti-phase of the two chirality coefficients. Chinese Physics B, 2011, 20, 067802.	1.4	6
38	Negative refractive index in a four-level atomic system. Chinese Physics B, 2011, 20, 124202.	1.4	6
39	Negative refraction without absorption via both coherent and incoherent fields in a four-level left-handed atomic system. Optics Communications, 2010, 283, 3301-3304.	2.1	23
40	Left-handedness without absorption in the four-level Y-type atomic medium. Chinese Physics B, 2010, 19, 014211-7.	1.4	9
41	Zero absorption and a large negative refractive index in a left-handed four-level atomic medium. Journal of Physics B: Atomic, Molecular and Optical Physics, 2010, 43, 045505.	1.5	18
42	Electromagnetically induced left handedness in a V-type four-level atomic system. Chinese Optics Letters, 2010, 8, 1187-1190.	2.9	0
43	Impact of Controlling Fields on the Absorption-dispersion Properties in an M-type Atomic System. Guangzi Xuebao/Acta Photonica Sinica, 2010, 39, 728-733.	0.3	0
44	LEFT-HANDNESS IN A FOUR-LEVEL ATOMIC SYSTEM. International Journal of Quantum Information, 2009, 07, 747-754.	1.1	7
45	Manipulative Properties of Asymmetric Double Quantum Dots via Laser and Gate Voltage. Chinese Physics Letters, 2009, 26, 077802.	3.3	8
46	Differentiation of Correlated Fluctuations in Site Energy on Excitation Energy Transfer in Photosynthetic Light-Harvesting Complexes. SSRN Electronic Journal, 0, , .	0.4	0