

Shun-Cai Zhao

List of Publications by Year in descending order

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docs citations

46
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113
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#	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.	2.0	1
2	Photosynthetic properties assisted by the quantum entanglement in two adjacent pigment molecules. European Physical Journal Plus, 2022, 137, .	1.2	3
3	Influence of the coupled-dipoles on photosynthetic performance in a photosynthetic quantum heat engine*. Chinese Physics B, 2021, 30, 044215.	0.7	4
4	Photovoltaic properties enhanced by the tunneling effect in a coupled quantum dot photocell. Results in Physics, 2021, 24, 104094.	2.0	8
5	Photovoltaic performances in a cavity-coupled double quantum dots photocell. Results in Physics, 2021, 27, 104503.	2.0	4
6	Charge-transport enhanced by the quantum entanglement in the photosystem II reaction center. European Physical Journal Plus, 2021, 136, .	1.2	2
7	High quantum yields generated by a multi-band quantum dot photocell. Superlattices and Microstructures, 2020, 137, 106329.	1.4	10
8	Monochromatic Composite Right/Left Handedness in the Quantized Composite Right/Left Handed Transmission Line. Annalen Der Physik, 2020, 532, 1900495.	0.9	0
9	Different roles of quantum interference in a quantum dot photocell with two intermediate bands. European Physical Journal Plus, 2020, 135, 1.	1.2	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.	0.6	1
11	Inhibiting radiative recombination rate to enhance quantum yields in a quantum photocell*. Chinese Physics B, 2020, 29, 064207.	0.7	2
12	Radiative recombination rate suppressed in a quantum photocell with three electron donors. European Physical Journal Plus, 2020, 135, 1.	1.2	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.	1.2	12
14	Wider frequency domain for negative refraction index in a quantized composite right-left handed transmission line. Chinese Physics B, 2018, 27, 068102.	0.7	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.	2.0	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.	1.0	6
17	Localization of cold atoms simulated by a three-level quantum system within half-wavelength domain. Superlattices and Microstructures, 2017, 106, 184-188.	1.4	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.	1.3	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. <i>Superlattices and Microstructures</i> , 2017, 105, 209-215.	1.4	3
20	The thermal effect on the left-handedness of the mesoscopic composite right-Left handed transmission line. <i>Superlattices and Microstructures</i> , 2017, 110, 313-318.	1.4	2
21	Negative refraction index of the mesoscopic left-handed transmission line in the thermal Fock state. <i>Optical and Quantum Electronics</i> , 2017, 49, 1.	1.5	4
22	Quantum Effects on Negative Refraction Index of Mesoscopic Left-Handed Transmission Line in Thermal Fock State. <i>Guangzi Xuebao/Acta Photonica Sinica</i> , 2017, 46, 419002.	0.1	0
23	Adjusting the left-handedness in a cold 87 Rb atomic system via multiple parameter modulation. <i>Chinese Journal of Physics</i> , 2016, 54, 756-760.	2.0	5
24	Three-Level Λ -Type Atomic System Localized by the Parameters of the Two Orthogonal Standing-Wave Fields. <i>Journal of Applied Mathematics and Physics</i> , 2016, 04, 1546-1553.	0.2	0
25	2-D isotropic negative refractive index in a N-type four-level atomic system. <i>Open Physics</i> , 2015, 13, .	0.8	1
26	Comparing Two Definitions of Work for a Biological Quantum Heat Engine. <i>Communications in Theoretical Physics</i> , 2015, 64, 409-414.	1.1	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. <i>Chinese Physics Letters</i> , 2015, 32, 058104.	1.3	3
28	2D isotropic negative permeability in a $\hat{\Lambda}$ -type three-level atomic system. <i>Canadian Journal of Physics</i> , 2015, 93, 641-645.	0.4	0
29	Electromagnetically Induced Isotropic 2D Left-handedness in a V-type Three-level Atomic System. <i>Acta Sinica Quantum Optica</i> , 2015, 21, 123-128.	0.0	0
30	Large and tunable negative refractive index via electromagnetically induced chirality in a semiconductor quantum well nanostructure. <i>JETP Letters</i> , 2014, 100, 385-389.	0.4	3
31	Effect of Spontaneously Generated Coherence and Detuning on 2D Atom Localization in Two Orthogonal Standing-Wave Fields. <i>Chinese Physics Letters</i> , 2014, 31, 034206.	1.3	1
32	Algebraic analysis of electromagnetic chirality-induced negative refractive index in a four-level atomic system. <i>European Physical Journal D</i> , 2013, 67, 1.	0.6	24
33	Negative Refraction with Little Loss Manipulated by the Voltage and Pulsed Laser in Double Quantum Dots. <i>Progress of Theoretical Physics</i> , 2012, 128, 243-250.	2.0	11
34	Negative refraction with low absorption using EIT in a four-level left-handed atomic system. <i>Optik</i> , 2012, 123, 1063-1066.	1.4	7
35	Negative refraction with absorption suppressed by electromagnetically induced transparency in a left-handed atomic system. <i>Science China: Physics, Mechanics and Astronomy</i> , 2012, 55, 213-218.	2.0	6
36	Effect of spontaneously generated coherence on left-handedness in a degeneracy atomic system. <i>JETP Letters</i> , 2011, 94, 347-352.	0.4	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.	0.7	6
38	Negative refractive index in a four-level atomic system. Chinese Physics B, 2011, 20, 124202.	0.7	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.	1.0	23
40	Left-handedness without absorption in the four-level Y-type atomic medium. Chinese Physics B, 2010, 19, 014211-7.	0.7	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.	0.6	18
42	Electromagnetically induced left handedness in a V-type four-level atomic system. Chinese Optics Letters, 2010, 8, 1187-1190.	1.3	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.	0.1	0
44	LEFT-HANDNESS IN A FOUR-LEVEL ATOMIC SYSTEM. International Journal of Quantum Information, 2009, 07, 747-754.	0.6	7
45	Manipulative Properties of Asymmetric Double Quantum Dots via Laser and Gate Voltage. Chinese Physics Letters, 2009, 26, 077802.	1.3	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