Bakht Amin Bacha

List of Publications by Year
in descending order

43	385	687363 13	839539 18
papers	citations	h-index	g-index

44	44	44	86
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Tunable control of internet of things information hacking by application of the induced chiral atomic medium. Soft Computing, 2022, 26, 10643-10650.	3.6	5
2	Manipulation of rotary photon drag in the region of spectral hole burning. European Physical Journal Plus, 2022, 137, 1.	2.6	5
3	Phase control of pulses distortions through induced circular birefringent chiral atomic medium. Optical and Quantum Electronics, 2022, 54, 1.	3.3	2
4	Tunable subluminal to superluminal propagation via spatio-temporal solitons by application of Laguerre fields intensities. Physics Letters, Section A: General, Atomic and Solid State Physics, 2021, 388, 127041.	2.1	20
5	Tunnelling based birefringent phase sensitivity through dynamic chiral medium. Physica Scripta, 2021, 96, 035106.	2.5	16
6	Tunnelling based birefringent rotary photon dragging through induced chiral medium. Physica Scripta, 2021, 96, 055101.	2.5	11
7	Gaussian Pulse Propagation via Bright and Dark Solitons through an Atomic Medium. Journal of Russian Laser Research, 2021, 42, 117-125.	0.6	3
8	Plasmon's <scp>Fizeauâ€dragging</scp> effect at the interface of atomic and nanoâ€composites media. International Journal of Quantum Chemistry, 2021, 121, e26655.	2.0	2
9	Distortion-free conductivity-dependent temporal cloak based on tunnelling chiral medium. European Physical Journal Plus, 2021, 136, 1.	2.6	11
10	Gaussian Pulse Distortion in a Nonlinear Induced Kerr Atomic Medium. Brazilian Journal of Physics, 2021, 51, 1265.	1.4	1
11	Coherent control of complex conductivity in a conductive atomic medium. Laser Physics, 2021, 31, 076001.	1.2	1
12	Conductivity-dependent absorption-free, gain-assisted superluminal propagation and rotary photon drag. Optical Materials, 2021, 115, 111047.	3.6	6
13	Dynamics of bright optical solitons through a coherent atomic medium. Physica Scripta, 2021, 96, 105104.	2.5	2
14	Localized Intensity of Tiny Goosâ€“H$$mathbf {ddot{a}}$$nchen Shift in Reflection and Transmission. Brazilian Journal of Physics, 2021, 51, 1844-1852.	1.4	0
15	Space-time cloaking through a chiral atomic medium. Optical and Quantum Electronics, 2021, 53, 1.	3.3	0
16	Phase sensitive birefringent diffraction based on conductive tunneling chiral medium. Optik, 2021, 242, 167357.	2.9	2
17	Fizeauâ€™s light birefringence dragging effect in a moving chiral medium. European Physical Journal Plus, 2021, 136, 1.	2.6	0
18	Particle microscopy by surface plasmon polariton waves at the interface of dielectric and silver silica nano-composites. Physica Scripta, 2021, 96, 015104.	2.5	10

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19	Birefringence of rotary photon drags through induced chiral atomic medium. Physica Scripta, 2020, 95, 075109.	2.5	16
20	Optical soliton through induced cesium doppler broadening medium. Physica Scripta, 2020, 95, 085102.	2.5	15
21	Birefringent lateral Goos-HÃnchen effect through chiral medium. Physica Scripta, 2020, 95, 095102.	2.5	18
22	High-resolution two-dimensional atomic microscopy in a tripod-type four-level atomic medium via standing wave fields. Laser Physics, 2020, 30, 115402.	1.2	14
23	Reply to â€œComment on â€˜Inverse Doppler shift and control field as coherence generators for the stability in superluminal lightâ€™â€‰â€•. Physical Review A, 2019, 100, .	2.5	2
24	Reply to â€œComment on â€˜Gain-assisted superluminal propagation and rotary drag of photon and surface plasmon polaritonsâ€¦. Physical Review A, 2019, 99, .	2.5	1
25	Spectral hole burning of surface plasmon polaritons via soliton waves at the interface of sodium and gold media. Physica Scripta, 2019, 94, 075403.	2.5	2
26	Complex conductivity-dependent two-dimensional atom microscopy. European Physical Journal Plus, 2019, 134, 1.	2.6	13
27	Surface plasmon induced atom localization in a tripod-type four level atomic system. Physica Scripta, 2019, 94, 035401.	2.5	13
28	The hybrid mode propagation of surface plasmon polaritons at the interface of graphene and a chiral medium. European Physical Journal Plus, 2018, 133, 1.	2.6	18
29	Unusual refraction and Fizeau effect for a linearly polarized pulse in rotary chiral media. Journal of the Optical Society of America B: Optical Physics, 2018, 35, 1817.	2.1	9
30	The event cloaking from a birefringent medium via Kerr nonlinearity. Journal of Optics (United) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302	2.2	9
31	Distortion-free propagation in a chiral medium using the coherent superposition of atomic states. Laser Physics, 2017, 27, 115203.	1.2	2
32	Gain-assisted superluminal propagation and rotary drag of photon and surface plasmon polaritons. Physical Review A, 2017, 96, .	2.5	36
33	Photon drag enhancement by a slow-light moving medium via electromagnetically-induced transparency amplification. Physics Letters, Section A: General, Atomic and Solid State Physics, 2017, 381, 3134-3140.	2.1	24
34	Conductivity dependent surface plasmon polariton propagation. Laser Physics, 2016, 26, 095204.	1.2	9
35	Optical activity via Kerr nonlinearity in a spinning chiral medium. Physics Letters, Section A: General, Atomic and Solid State Physics, 2016, 380, 3724-3731.	2.1	24
36	Temporal cloak via Doppler broadening. Laser Physics, 2015, 25, 065405.	1.2	7

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37	Inverse Doppler shift and control field as coherence generators for the stability in superluminal light. Physical Review A, 2015, 91, .	2.5	14
38	Spectral Hole Burning via Kerr Nonlinearity. Communications in Theoretical Physics, 2015, 64, 473-478.	2.5	3
39	Coherent control of polarization state rotation via Doppler broadening and Kerr nonlinearity in a spinning fast light medium. Laser Physics, 2014, 24, 115404.	1.2	20
40	Gain assisted multiple surperluminal regions via a Kerr nonlinearity in a double lambda-type atomic configuration. Laser Physics, 2014, 24, 055401.	1.2	18
41	Phase and velocity sensitivity of surface plasmon polaritons at the interface of atomic and nano-composites media. Physica Scripta, 0, , .	2.5	0
42	Complex conductivity dependent surface plasmon polaritons at the interface of metal and silver silica nanocomposites. International Journal of Quantum Chemistry, 0, , e26831.	2.0	0
43	Two-dimensional atom localization and formation of waveguide channels using Bragg diffraction law. Physica Scripta, 0, , .	2.5	1