Da-Jian Wu

List of Publications by Year
in descending order

52 papers	1,093 citations	471509 17 h-index	414414 32 g-index
56 all docs	56 docs citations	56 times ranked	971 citing authors

#	Article	IF	Citations
1	Acoustic Equivalent Lasing and Coherent Perfect Absorption Based on a Conjugate Metamaterial Sphere. Applied Sciences (Switzerland), 2022, 12, 1777.	2.5	2
2	Coupled Focused Acoustic Vortices Generated by Degenerated Artificial Plates for Acoustic Coded Communication. Advanced Materials Technologies, 2022, 7, .	5.8	5
3	Characterizing coreâ€“shell nanostructures through photoacoustic response based on theoretical model in the frequency domain. Journal of the Acoustical Society of America, 2022, 151, 2649-2655.	1.1	0
4	Three-Dimensional Trapping and Manipulation of a Mie Particle by Hybrid Acoustic Focused Petal Beams. Physical Review Applied, 2022, 17, .	3.8	3
5	Mixed focused-acoustic-vortices generated by an artificial structure plate engraved with discrete rectangular holes. Applied Physics Letters, 2021, 118, .	3.3	9
6	Sound insulation via a reconfigurable ventilation barrier with ultra-thin zigzag structures. Journal of Applied Physics, 2021, 129, 064502.	2.5	6
7	Generation of diverse acoustic vortices by superimposed multipole emissions. Physical Review B, 2021, 103, .	3.2	4
8	Acoustic anti-parity-time symmetric structure enabling equivalent lasing and coherent perfect absorption. Physical Review B, 2021, 104, .	3.2	6
9	Alternating Coupling Regimes in a Plasmonâ€“Molecule Hybrid Structure through a Phase-Change Material. Journal of Physical Chemistry C, 2020, 124, 22671-22676.	3.1	4
10	Enhanced Fractional Acoustic Vortices by an Annulus Acoustic Metasurface with Multiâ€Layered Rings. Advanced Materials Technologies, 2020, 5, 2000356.	5.8	10
11	A higher-order topological insulator with wide bandgaps in Lamb-wave systems. Journal of Applied Physics, 2020, 127, .	2.5	26
12	Acoustic tweezing for both Rayleigh and Mie particles based on acoustic focused petal beams. Applied Physics Letters, 2020, 116, .	3.3	12
13	Enhanced Lowâ€Frequency Monopole and Dipole Acoustic Antennas Based on a Subwavelength Bianisotropic Structure. Advanced Materials Technologies, 2020, 5, 1900970.	5.8	9
14	Broadband tunable focusing lenses by acoustic coding metasurfaces. Journal Physics D: Applied Physics, 2020, 53, 255501.	2.8	33
15	Focused acoustic vortex by an artificial structure with two sets of discrete Archimedean spiral slits. Applied Physics Letters, 2019, 115, .	3.3	25
16	Slowing down plexcimons in excitonâ€“plasmon multimode coupling nanostructrures. Journal of Applied Physics, 2019, 126, 153101.	2.5	1
17	Optical radiation forces of focused Gaussian beams on the three-layered microgel particles with near-infrared responses. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	2.3	1
18	Extraordinary acoustic scattering in a periodic PT-symmetric zero-index metamaterials waveguide. Europhysics Letters, 2019, 125, 58002.	2.0	14

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19	Laser irradiation modulating the acoustic radiation force acting on a liquid ball in a plane progressive wave. AIP Advances, 2019, 9, .	1.3	5
20	Acoustic radiation forces on three-layered drug particles in focused Gaussian beams. Journal of the Acoustical Society of America, 2019, 145, 1331-1340.	1.1	7
21	Broadband Airy-like beams by coded acoustic metasurfaces. Applied Physics Letters, 2019, 114, .	3.3	55
22	Strong and weak couplings in molecular vibrationâ€“plasmon hybrid structures. Optics Express, 2019, 27, 1479.	3.4	4
23	Broadband acoustic focusing by Airy-like beams based on acoustic metasurfaces. Journal of Applied Physics, 2018, 123, .	2.5	42
24	Generation of fractional acoustic vortex with a discrete Archimedean spiral structure plate. Applied Physics Letters, 2018, 112, .	3.3	32
25	Broadband acoustic subwavelength imaging by rapidly modulated stratified media. Scientific Reports, 2018, 8, 4934.	3.3	1
26	Asymmetric phase modulation of acoustic waves through unidirectional metasurfaces. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	2.3	11
27	Modulation of acoustic radiation forces on three-layered nucleate cells in a focused Gaussian beam. Europhysics Letters, 2018, 124, 24004.	2.0	6
28	Negative acoustic radiation force induced on an elastic sphere by laser irradiation. Physical Review E, 2018, 98, .	2.1	8
29	Metasurface-enabled airborne fractional acoustic vortex emitter. Applied Physics Letters, 2018, 113, .	3.3	28
30	Dynamic generation and modulation of acoustic bottle-beams by metasurfaces. Scientific Reports, 2018, 8, 12682.	3.3	21
31	Topological Creation of Acoustic Pseudospin Multipoles in a Flow-Free Symmetry-Broken Metamaterial Lattice. Physical Review Letters, 2017, 118, 084303.	7.8	303
32	Perfect monochromatic acoustic anti-reflection: A first-principles study. Journal of Applied Physics, 2017, 121, 094504.	2.5	4
33	Optical Fiber Bragg Grating Pressure Sensor Based on Dual-Frequency Optoelectronic Oscillator. IEEE Photonics Technology Letters, 2017, 29, 1864-1867.	2.5	29
34	Strong Plasmonâ€“Excitonâ€“Plasmon Multimode Couplings in Three-Layered Agâ€“J-Aggregatesâ€“Ag Nanostructures. Journal of Physical Chemistry C, 2017, 121, 25455-25462.	3.1	28
35	Tunable photoacoustic properties of gold nanoshells with near-infrared optical responses. Journal of Applied Physics, 2017, 122, .	2.5	13
36	Influences of the geometry and acoustic parameter on acoustic radiation forces on three-layered nucleate cells. Journal of Applied Physics, 2017, 122, .	2.5	12

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37	Non-diffraction propagation of acoustic waves in a rapidly modulated stratified medium. Scientific Reports, 2017, 7, 8184.	3.3	1
38	Manipulation of acoustic transmission by zero-index metamaterial with rectangular defect. Journal of Applied Physics, 2017, 122, 215103.	2.5	10
39	Efficient Magnetic Resonance Amplification and Near-Field Enhancement from Gain-Assisted Silicon Nanospheres and Nanoshells. Journal of Physical Chemistry C, 2016, 120, 13227-13233.	3.1	10
40	Plasmonâ€“exciton induced transparency in plexcitonic Agâ€“CuCl-coated nanowires and associated arrays. Applied Physics B: Lasers and Optics, 2015, 119, 355-361.	2.2	4
41	Modulation of Fano resonances in symmetry-broken gold-SiO2-gold nanotube dimers. Science China: Physics, Mechanics and Astronomy, 2014, 57, 1063-1067.	5.1	1
42	Three-layered metallodielectric nanoshells: plausible meta-atoms for metamaterials with isotropic negative refractive index at visible wavelengths. Optics Express, 2013, 21, 1076.	3.4	23
43	Acoustic subwavelength imaging of subsurface objects with acoustic resonant metalens. Applied Physics Letters, 2013, 103, .	3.3	58
44	Fano-like resonance in symmetry-broken gold nanotube dimer. Optics Express, 2012, 20, 26559.	3.4	24
45	A tunable Fano resonance in silver nanoshell with a spherically anisotropic core. Journal of Chemical Physics, 2012, 136, 034502.	3.0	15
46	Modulation of anisotropic middle layer on the plasmon couplings in sandwiched gold nanoshells. Gold Bulletin, 2012, 45, 197-201.	2.4	5
47	Localized surface plasmon resonance properties of two-layered gold nanowire: Effects of geometry, incidence angle, and polarization. Journal of Applied Physics, 2011, 109, 083540.	2.5	16
48	Tunable Fano Resonances in Three-Layered Bimetallic Au and Ag Nanoshell. Journal of Physical Chemistry C, 2011, 115, 23797-23801.	3.1	57
49	Optimization of ultrathin carbon film coated silver nanoshell for biomedical applications in vivo. Applied Physics A: Materials Science and Processing, 2011, 105, 439-443.	2.3	1
50	Optimization of the bimetallic gold and silver alloy nanoshell for biomedical applications in vivo. Applied Physics Letters, 2010, 97, 061904.	3.3	42
51	Tunable near-infrared optical properties of three-layered metal nanoshells. Journal of Chemical Physics, 2008, 129, 074711.	3.0	46
52	Comment on â€œInfluence of dielectric core and embedding medium on the local field enhancement for gold nanoshellsâ€•[J. Appl. Phys. 100, 026104 (2006)]. Journal of Applied Physics, 2007, 102, 086106.	2.5	1