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	Topological Creation of Acoustic Pseudospin Multipoles in a Flow-Free Symmetry-Broken Metamaterial Lattice. Physical Review Letters, 2017, 118, 084303.	7.8	303
2	Acoustic subwavelength imaging of subsurface objects with acoustic resonant metalens. Applied Physics Letters, 2013, 103, .	3.3	58
3	Tunable Fano Resonances in Three-Layered Bimetallic Au and Ag Nanoshell. Journal of Physical Chemistry C, 2011, 115, 23797-23801.	3.1	57
4	Broadband Airy-like beams by coded acoustic metasurfaces. Applied Physics Letters, 2019, 114, .	3.3	55
5	Tunable near-infrared optical properties of three-layered metal nanoshells. Journal of Chemical Physics, 2008, 129, 074711.	3.0	46
6	Optimization of the bimetallic gold and silver alloy nanoshell for biomedical applications in vivo. Applied Physics Letters, 2010, 97, 061904.	3.3	42
7	Broadband acoustic focusing by Airy-like beams based on acoustic metasurfaces. Journal of Applied Physics, 2018, 123, .	2.5	42
8	Broadband tunable focusing lenses by acoustic coding metasurfaces. Journal Physics D: Applied Physics, 2020, 53, 255501.	2.8	33
9	Generation of fractional acoustic vortex with a discrete Archimedean spiral structure plate. Applied Physics Letters, 2018, 112, .	3.3	32
10	Optical Fiber Bragg Grating Pressure Sensor Based on Dual-Frequency Optoelectronic Oscillator. IEEE Photonics Technology Letters, 2017, 29, 1864-1867.	2.5	29
11	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
12	Metasurface-enabled airborne fractional acoustic vortex emitter. Applied Physics Letters, 2018, 113, .	3.3	28
13	A higher-order topological insulator with wide bandgaps in Lamb-wave systems. Journal of Applied Physics, 2020, 127, .	2.5	26
14	Focused acoustic vortex by an artificial structure with two sets of discrete Archimedean spiral slits. Applied Physics Letters, 2019, 115, .	3.3	25
15	Fano-like resonance in symmetry-broken gold nanotube dimer. Optics Express, 2012, 20, 26559.	3.4	24
16	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
17	Dynamic generation and modulation of acoustic bottle-beams by metasurfaces. Scientific Reports, 2018, 8, 12682.	3.3	21
18	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

#	Article	IF	Citations
19	A tunable Fano resonance in silver nanoshell with a spherically anisotropic core. Journal of Chemical Physics, 2012, 136, 034502.	3.0	15
20	Extraordinary acoustic scattering in a periodic PT-symmetric zero-index metamaterials waveguide. Europhysics Letters, 2019, 125, 58002.	2.0	14
21	Tunable photoacoustic properties of gold nanoshells with near-infrared optical responses. Journal of Applied Physics, 2017, 122, .	2.5	13
22	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
23	Acoustic tweezing for both Rayleigh and Mie particles based on acoustic focused petal beams. Applied Physics Letters, 2020, 116, .	3.3	12
24	Asymmetric phase modulation of acoustic waves through unidirectional metasurfaces. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	2.3	11
25	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
26	Manipulation of acoustic transmission by zero-index metamaterial with rectangular defect. Journal of Applied Physics, 2017, 122, 215103.	2.5	10
27	Enhanced Fractional Acoustic Vortices by an Annulus Acoustic Metasurface with Multiâ€Layered Rings. Advanced Materials Technologies, 2020, 5, 2000356.	5.8	10
28	Enhanced Lowâ€Frequency Monopole and Dipole Acoustic Antennas Based on a Subwavelength Bianisotropic Structure. Advanced Materials Technologies, 2020, 5, 1900970.	5.8	9
29	Mixed focused-acoustic-vortices generated by an artificial structure plate engraved with discrete rectangular holes. Applied Physics Letters, 2021, 118, .	3.3	9
30	Negative acoustic radiation force induced on an elastic sphere by laser irradiation. Physical Review E, 2018, 98, .	2.1	8
31	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
32	Modulation of acoustic radiation forces on three-layered nucleate cells in a focused Gaussian beam. Europhysics Letters, 2018, 124, 24004.	2.0	6
33	Sound insulation via a reconfigurable ventilation barrier with ultra-thin zigzag structures. Journal of Applied Physics, 2021, 129, 064502.	2.5	6
34	Acoustic anti-parity-time symmetric structure enabling equivalent lasing and coherent perfect absorption. Physical Review B, 2021, 104, .	3.2	6
35	Modulation of anisotropic middle layer on the plasmon couplings in sandwiched gold nanoshells. Gold Bulletin, 2012, 45, 197-201.	2.4	5
36	Laser irradiation modulating the acoustic radiation force acting on a liquid ball in a plane progressive wave. AIP Advances, 2019, 9, .	1.3	5

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37	Coupled Focused Acoustic Vortices Generated by Degenerated Artificial Plates for Acoustic Coded Communication. Advanced Materials Technologies, 2022, 7, .	5.8	5
38	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
39	Perfect monochromatic acoustic anti-reflection: A first-principles study. Journal of Applied Physics, 2017, 121, 094504.	2.5	4
40	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
41	Generation of diverse acoustic vortices by superimposed multipole emissions. Physical Review B, 2021, 103, .	3.2	4
42	Strong and weak couplings in molecular vibrationâ€"plasmon hybrid structures. Optics Express, 2019, 27, 1479.	3.4	4
43	Three-Dimensional Trapping and Manipulation of a Mie Particle by Hybrid Acoustic Focused Petal Beams. Physical Review Applied, 2022, 17, .	3.8	3
44	Acoustic Equivalent Lasing and Coherent Perfect Absorption Based on a Conjugate Metamaterial Sphere. Applied Sciences (Switzerland), 2022, 12, 1777.	2.5	2
45	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
46	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
47	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
48	Non-diffraction propagation of acoustic waves in a rapidly modulated stratified medium. Scientific Reports, 2017, 7, 8184.	3.3	1
49	Broadband acoustic subwavelength imaging by rapidly modulated stratified media. Scientific Reports, 2018, 8, 4934.	3.3	1
50	Slowing down plexcimons in excitonâ€"plasmon multimode coupling nanostructrures. Journal of Applied Physics, 2019, 126, 153101.	2.5	1
51	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
52	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