

Philip L Marston

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Scattering by relatively small oblate spheroidal drops of water in the rainbow region: T-matrix results and geometric interpretation. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2022, 283, 108142.	2.3	2
2	Specular-reflection contributions to static and dynamic radiation forces on circular cylinders. <i>Journal of the Acoustical Society of America</i> , 2021, 149, 3042-3051.	1.1	5
3	Time Evolution of Bistatic Acoustic Scattering: Mechanism Loci Identification for Broadside Cylinder Near a Flat Interface. <i>IEEE Journal of Oceanic Engineering</i> , 2021, 46, 1024-1033.	3.8	2
4	Specular reflection contributions to dynamic radiation forces on highly reflecting spheres (L). <i>Journal of the Acoustical Society of America</i> , 2021, 150, 25-28.	1.1	2
5	Maxwell stress excitation of wire vibrations at difference and sum frequencies of electric currents in separate circuits. <i>Journal of the Acoustical Society of America</i> , 2020, 148, 1808-1816.	1.1	1
6	Comment on oscillatory optical and acoustical radiation pressure. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2020, 254, 107226.	2.3	4
7	Phase and amplitude evolution of backscattering by a sphere scanned through an acoustic vortex beam: Measured helicity projections. <i>Journal of the Acoustical Society of America</i> , 2020, 148, EL135-EL140.	1.1	7
8	Modification of the time, frequency, and sonar image domain signatures of cylinders due to a material junction. <i>Proceedings of Meetings on Acoustics</i> , 2020, , .	0.3	0
9	Scattering and radiation force dependence on properties of empty elastic spherical shells: Low-frequency phase-shift derivation. <i>Journal of the Acoustical Society of America</i> , 2019, 146, EL145-EL150.	1.1	8
10	T -matrix evaluation of three-dimensional acoustic radiation forces on nonspherical objects in Bessel beams with arbitrary order and location. <i>Physical Review E</i> , 2019, 99, 063004.	2.1	34
11	Phase-shift derivation of expansions for material and frequency dependence of progressive-wave radiation forces and backscattering by spheres. <i>Journal of the Acoustical Society of America</i> , 2019, 145, EL39-EL44.	1.1	8
12	Reversals of Acoustic Radiation Torque in Bessel Beams Using Theoretical and Numerical Implementations in Three Dimensions. <i>Physical Review Applied</i> , 2019, 11, .	3.8	30
13	Comment on "Acoustic deformation for the extraction of mechanical properties of lipid vesicle populations". <i>Physical Review E</i> , 2019, 100, 057001.	2.1	3
14	Measuring the modal shapes of elastic targets using modulated radiation pressure. <i>Journal of the Acoustical Society of America</i> , 2019, 146, 3019-3019.	1.1	1
15	Bessel beam expansion of linear focused ultrasound. <i>Journal of the Acoustical Society of America</i> , 2018, 144, 3076-3083.	1.1	4
16	Humblet's angular momentum decomposition applied to radiation torque on metallic spheres using the Hagen-Rubens approximation. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2018, 220, 97-105.	2.3	4
17	Observation and modeling of acoustic scattering from a rubber spherical shell. <i>Journal of the Acoustical Society of America</i> , 2018, 143, 3036-3046.	1.1	3
18	Relationship of scattering phase shifts to special radiation force conditions for spheres in axisymmetric wave-fields. <i>Journal of the Acoustical Society of America</i> , 2017, 141, 3042-3049.	1.1	25

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19	Analysis of forward scattering of an acoustical zeroth-order Bessel beam from rigid complicated (aspherical) structures. Journal of Quantitative Spectroscopy and Radiative Transfer, 2017, 200, 146-162.	2.3	8
20	Acoustic radiation force on a sphere in a progressive and standing zero-order quasi-Bessel-Gauss beam. Ultrasonics, 2017, 76, 1-9.	3.9	20
21	Maxwell's Thomson-Loschmidt reversal. Nature Physics, 2017, 13, 2-2.	16.7	2
22	Finite-size radiation force correction for inviscid spheres in standing waves. Journal of the Acoustical Society of America, 2017, 142, 1167-1170.	1.1	10
23	Hyperbolic umbilic caustics from oblate water drops with tilted illumination: Observations. Journal of Quantitative Spectroscopy and Radiative Transfer, 2017, 202, 147-153.	2.3	6
24	Phase-shift expansions for approximate radiation forces on solid spheres in inviscid-acoustic standing waves. Journal of the Acoustical Society of America, 2017, 142, 3358-3361.	1.1	13
25	Multipole expansion of acoustical Bessel beams with arbitrary order and location. Journal of the Acoustical Society of America, 2017, 141, EL574-EL578.	1.1	22
26	Spectral analysis of bistatic scattering from underwater elastic cylinders and spheres. Journal of the Acoustical Society of America, 2017, 142, 110-115.	1.1	15
27	Comment on "Radiation forces and torque on a rigid elliptical cylinder in acoustical plane progressive and (quasi)standing waves with arbitrary incidence" [Phys. Fluids 28, 077104 (2016)]. Physics of Fluids, 2017, 29, .	4.0	13
28	High frequency imaging and elastic effects for a solid cylinder with axis oblique relative to a nearby horizontal surface. Journal of the Acoustical Society of America, 2016, 140, 1525-1536.	1.1	1
29	Unphysical consequences of negative absorbed power in linear passive scattering: Implications for radiation force and torque. Journal of the Acoustical Society of America, 2016, 139, 3139-3144.	1.1	28
30	Kirchhoff approximation for backscattering from a partially exposed rigid sphere at a flat interface. Journal of the Acoustical Society of America, 2016, 140, 3582-3592.	1.1	9
31	Circular synthetic aperture sonar imaging of simple objects illuminated by an evanescent wavefield. Journal of the Acoustical Society of America, 2016, 140, 2839-2846.	1.1	3
32	Acoustic radiation force expressed using complex phase shifts and momentum-transfer cross sections. Journal of the Acoustical Society of America, 2016, 140, EL178-EL183.	1.1	31
33	James Clerk Maxwell: Life and science. Journal of Quantitative Spectroscopy and Radiative Transfer, 2016, 178, 50-65.	2.3	5
34	High frequency backscattering by a solid cylinder with axis tilted relative to a nearby horizontal surface. Journal of the Acoustical Society of America, 2015, 137, 470-480.	1.1	17
35	Surprises and anomalies in acoustical and optical scattering and radiation forces. Journal of Quantitative Spectroscopy and Radiative Transfer, 2015, 162, 8-17.	2.3	9
36	Scattering and Acoustical and Optical Radiation Forces and Torques for Manipulation. , 2015, , .		0

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37	Enhanced backscattering in water by partially exposed cylinders at free surfaces associated with an acoustic Franz wave. <i>Journal of the Acoustical Society of America</i> , 2014, 135, 2489-2492.	1.1	10
38	Autofocusing circular synthetic aperture sonar imagery using phase corrections modeled as generalized cones. <i>Journal of the Acoustical Society of America</i> , 2014, 136, 614-622.	1.1	9
39	Fast nearfield to farfield conversion algorithm for circular synthetic aperture sonar. <i>Journal of the Acoustical Society of America</i> , 2014, 136, EL61-EL66.	1.1	19
40	Acoustic scattering from a water-filled cylindrical shell: Measurements, modeling, and interpretation. <i>Journal of the Acoustical Society of America</i> , 2014, 136, 109-121.	1.1	29
41	Acoustic radiation torque on small objects in viscous fluids and connection with viscous dissipation. <i>Journal of the Acoustical Society of America</i> , 2014, 136, 2917-2921.	1.1	55
42	Quasi-scaling of the extinction efficiency of spheres in high frequency Bessel beams. <i>Journal of the Acoustical Society of America</i> , 2014, 135, 1668-1671.	1.1	10
43	Comment on "Anomalous wave propagation in a one-dimensional acoustic metamaterial having simultaneously negative mass density and Young's modulus" [J. Acoust. Soc. Am. 132, 2887-2895 (2012)]. <i>Journal of the Acoustical Society of America</i> , 2014, 135, 1031-1033.	1.1	2
44	Optical theorem for acoustic non-diffracting beams and application to radiation force and torque. <i>Biomedical Optics Express</i> , 2013, 4, 1610.	2.9	39
45	Acoustic scattering from a water-filled cylindrical shell: Mode identification and interpretation via finite element and analytical models. <i>Proceedings of Meetings on Acoustics</i> , 2013, , .	0.3	0
46	Viscous contributions to low-frequency scattering, power absorption, radiation force, and radiation torque for spheres in acoustic beams. <i>Proceedings of Meetings on Acoustics</i> , 2013, , .	0.3	10
47	Measured scattering of a first-order vortex beam by a sphere: Cross-helicity and helicity-neutral near-forward scattering and helicity modulation. <i>Proceedings of Meetings on Acoustics</i> , 2013, , .	0.3	4
48	Quasi-holographic processing as an alternative to synthetic aperture sonar imaging. <i>Proceedings of Meetings on Acoustics</i> , 2013, , .	0.3	5
49	Axial radiation force exerted by general non-diffracting beams. <i>Journal of the Acoustical Society of America</i> , 2012, 131, EL329-EL335.	1.1	75
50	LOW- TO MID-FREQUENCY SCATTERING FROM ELASTIC OBJECTS ON A SAND SEA FLOOR: SIMULATION OF FREQUENCY AND ASPECT DEPENDENT STRUCTURAL ECHOES. <i>Journal of Computational Acoustics</i> , 2012, 20, 1240007.	1.0	22
51	Geometrical interpretation of negative radiation forces of acoustical Bessel beams on spheres. <i>Physical Review E</i> , 2011, 84, 035601.	2.1	145
52	Angular momentum flux of nonparaxial acoustic vortex beams and torques on axisymmetric objects. <i>Physical Review E</i> , 2011, 84, 065601.	2.1	159
53	Quasi-Gaussian beam analytical basis and comparison with an alternative approach (L). <i>Journal of the Acoustical Society of America</i> , 2011, 130, 1091-1094.	1.1	14
54	Coherent and semi-coherent processing of limited-aperture circular synthetic aperture (CSAS) data. , 2011, , .		9

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55	Quasi-Gaussian Bessel-beam superposition: Application to the scattering of focused waves by spheres. Journal of the Acoustical Society of America, 2011, 129, 1773-1782.	1.1	24
56	Acoustic radiation torque and the conservation of angular momentum (L). Journal of the Acoustical Society of America, 2011, 129, 1679-1680.	1.1	55
57	Acoustic quasi-holographic images of scattering by vertical cylinders from one-dimensional bistatic scans. Journal of the Acoustical Society of America, 2011, 130, 3838-3851.	1.1	16
58	Boundary effects on backscattering by a solid aluminum cylinder: Experiment and finite element model comparisons (L). Journal of the Acoustical Society of America, 2011, 130, 669-672.	1.1	14
59	Measurements and modeling of the acoustic scattering from an aluminum pipe in the free field and in contact with a sand sediment. , 2010, , .		1
60	Acoustic scattering from a solid aluminum cylinder in contact with a sand sediment: Measurements, modeling, and interpretation. Journal of the Acoustical Society of America, 2010, 127, 3356-3371.	1.1	89
61	Evolution of acoustic feature timing and imaging for different cylinder exposures and applications of reversible SAS filtering. , 2010, , .		1
62	Scattering resonances, filtering with reversible SAS processing, and applications of quantitative ray theory. , 2010, , .		12
63	Feature timing and identification for different solid cylinder exposures revealed using reversible image filtering.. Journal of the Acoustical Society of America, 2010, 128, 2461-2461.	1.1	0
64	Radiation force of a helicoidal Bessel beam on a sphere. Journal of the Acoustical Society of America, 2009, 125, 3539-3547.	1.1	143
65	Bessel beams and glory scattering: Comment on "Generation of Bessel beams using a 4-f spatial filtering system," by J. M. D. Kowalczyk, S. N. Smith, and E. B. Szarmes [Am. J. Phys.77, 229"236 (2009)]. American Journal of Physics, 2009, 77, 1084-1084.	0.7	1
66	Radiation Torques and Forces in Scattering from Spheres and Acoustical Analogues. , 2009, , .		1
67	Self-reconstruction property of fractional Bessel beams: comment. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2009, 26, 2181.	1.5	6
68	Backscattering by a solid aluminum cylinder near a boundary: Experiment and finite element model comparisons.. Journal of the Acoustical Society of America, 2009, 126, 2186.	1.1	0
69	Uniformly valid solution for acoustic propagation in weakly tapered circular waveguides: Liquid jet example. Journal of the Acoustical Society of America, 2008, 124, 151-160.	1.1	15
70	Kirchhoff Approximation for a Cylinder Breaking Through a Plane Surface and the Measured Scattering. IEEE Journal of Oceanic Engineering, 2008, 33, 386-396.	3.8	13
71	Evanescent Acoustic Waves From Subcritical Beam Illumination: Laboratory Measurements Near a Liquid" Liquid Interface. IEEE Journal of Oceanic Engineering, 2008, 33, 397-404.	3.8	2
72	Scattering of a Bessel beam by a sphere: II. Helicoidal case and spherical shell example. Journal of the Acoustical Society of America, 2008, 124, 2905-2910.	1.1	73

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73	Liquid jet response to internal modulated ultrasonic radiation pressure and stimulated drop production. <i>Journal of the Acoustical Society of America</i> , 2007, 121, 3323.	1.1	12
74	Acoustic beam scattering and excitation of sphere resonance: Bessel beam example. <i>Journal of the Acoustical Society of America</i> , 2007, 122, 247-252.	1.1	72
75	A long history of peristaltic perturbations. <i>Physics Today</i> , 2007, 60, 16-16.	0.3	1
76	Negative axial radiation forces on solid spheres and shells in a Bessel beam. <i>Journal of the Acoustical Society of America</i> , 2007, 122, 3162-3165.	1.1	113
77	Maxwell and creation: Acceptance, criticism, and his anonymous publication. <i>American Journal of Physics</i> , 2007, 75, 731-740.	0.7	4
78	Scattering of a Bessel beam by a sphere. <i>Journal of the Acoustical Society of America</i> , 2007, 121, 753-758.	1.1	115
79	Acoustic Radiation Force On Elliptical Cylinders And Spheroidal Objects In Low Frequency Standing Waves. <i>AIP Conference Proceedings</i> , 2006, , .	0.4	22
80	Axial radiation force of a Bessel beam on a sphere and direction reversal of the force. <i>Journal of the Acoustical Society of America</i> , 2006, 120, 3518-3524.	1.1	274
81	Enhanced damping of capillary bridge oscillations using velocity feedback. <i>Physics of Fluids</i> , 2005, 17, 032105.	4.0	7
82	Doubly focused backscattering from finite targets in an Airy caustic formed by a curved reflecting surface. <i>Journal of the Acoustical Society of America</i> , 2005, 118, 2811-2819.	1.1	4
83	Equivalence of expressions for the acoustic radiation force on cylinders. <i>Journal of the Acoustical Society of America</i> , 2005, 118, 3397-3399.	1.1	18
84	Control of the natural frequency of the (2,0) mode of liquid bridges using active electrostatic fields. <i>Physics of Fluids</i> , 2005, 17, 071702.	4.0	2
85	Hysteresis and mode coupling in capillary bridge oscillations: Observations. <i>Physical Review E</i> , 2005, 72, 067304.	2.1	4
86	High-Frequency Material-Dependent Scattering Processes for Tilted Truncated Cylindrical and Disk-Shaped Targets. <i>AIP Conference Proceedings</i> , 2004, , .	0.4	1
87	Acoustic radiation force on a compressible cylinder in a standing wave. <i>Journal of the Acoustical Society of America</i> , 2004, 116, 201-208.	1.1	74
88	Singly focused backscattering from small targets in an Airy caustic formed by a curved reflecting surface. <i>Journal of the Acoustical Society of America</i> , 2004, 116, 2751-2758.	1.1	2
89	Manipulation of Fluid Objects with Acoustic Radiation Pressure. <i>Annals of the New York Academy of Sciences</i> , 2004, 1027, 414-434.	3.8	82
90	Active Electrostatic Control of Liquid Bridge Dynamics and Stability. <i>Annals of the New York Academy of Sciences</i> , 2004, 1027, 495-510.	3.8	2

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91	Negative group velocity Lamb waves on plates and applications to the scattering of sound by shells. Journal of the Acoustical Society of America, 2003, 113, 2659-2662.	1.1	53
92	Observation of the enhanced backscattering of light by the end of a tilted dielectric cylinder owing to the caustic merging transition. Applied Optics, 2003, 42, 412.	2.1	4
93	Leaky helical flexural wave backscattering contributions from tilted water-filled cylindrical shells. Journal of the Acoustical Society of America, 2003, 113, 309-312.	1.1	2
94	Meridional ray backscattering enhancements for empty truncated tilted cylindrical shells: Measurements, ray model, and effects of a mode threshold. Journal of the Acoustical Society of America, 2002, 112, 1318-1326.	1.1	10
95	Backscattering of transients by tilted truncated cylindrical shells: Time-frequency identification of ray contributions from measurements. Journal of the Acoustical Society of America, 2002, 111, 1289-1294.	1.1	28
96	Leaky helical flexural wave backscattering contributions from tilted cylindrical shells in water: Observations and modeling. Journal of the Acoustical Society of America, 2002, 112, 528-536.	1.1	17
97	Active electrostatic stabilization of liquid bridges in low gravity. Journal of Fluid Mechanics, 2002, 457, 285-294.	3.4	20
98	Backscattering enhancements associated with antisymmetric Lamb waves confined to the edge of a circular plate: Direct and holographic observations. Acoustics Research Letters Online: ARLO, 2002, 3, 101-106.	0.7	10
99	Robert E. Apfel (1943–2002). Nature Materials, 2002, 1, 155-155.	27.5	1
100	STABILIZATION OF AN ELECTRICALLY CONDUCTING CAPILLARY BRIDGE FAR BEYOND THE RAYLEIGH-PLATEAU LIMIT USING FEEDBACK CONTROL OF ELECTROSTATIC STRESSES. , 2002, , 272-272.		1
101	STABILIZATION OF CAPILLARY BRIDGES IN AIR FAR BEYOND THE RAYLEIGH-PLATEAU LIMIT IN LOW GRAVITY USING ACOUSTIC RADIATION PRESSURE. , 2002, , 273-273.		0
102	Backscattering enhancements associated with the excitation of symmetric Lamb waves on a circular plate: direct and holographic observations. Acoustics Research Letters Online: ARLO, 2001, 2, 55-60.	0.7	12
103	Leaky helical flexural wave scattering contributions from tilted cylindrical shells: Ray theory and wave-vector anisotropy. Journal of the Acoustical Society of America, 2001, 110, 1764-1769.	1.1	14
104	Passive Stabilization of Capillary Bridges in Air with Acoustic Radiation Pressure. Physical Review Letters, 2001, 86, 2293-2296.	7.8	44
105	Generalized optical theorem for scatterers having inversion symmetry: Applications to acoustic backscattering. Journal of the Acoustical Society of America, 2001, 109, 1291-1295.	1.1	32
106	Stabilization of electrically conducting capillary bridges using feedback control of radial electrostatic stresses and the shapes of extended bridges. Physics of Fluids, 2000, 12, 986-995.	4.0	28
107	Backscattering enhancements associated with subsonic Rayleigh waves on polymer spheres in water: Observation and modeling for acrylic spheres. Journal of the Acoustical Society of America, 2000, 107, 1930-1936.	1.1	44
108	Backscattering enhancements from Rayleigh waves on the flat face of a tilted solid cylinder in water. Journal of the Acoustical Society of America, 2000, 107, 112-117.	1.1	20

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109	Backscattering enhancements for tilted solid plastic cylinders in water due to the caustic merging transition: Observations and theory. <i>Journal of the Acoustical Society of America</i> , 2000, 107, 689-698.	1.1	11
110	Backscattering enhancements due to reflection of meridional leaky Rayleigh waves at the blunt truncation of a tilted solid cylinder in water: Observations and theory. <i>Journal of the Acoustical Society of America</i> , 1999, 106, 1673-1680.	1.1	29
111	Meridional ray contributions to scattering by tilted cylindrical shells above the coincidence frequency: ray theory and computations. <i>Journal of the Acoustical Society of America</i> , 1999, 106, 2595-2600.	1.1	21
112	Magnetic excitation and acoustical detection of torsional and quasi-flexural modes of spherical shells in water. <i>Journal of the Acoustical Society of America</i> , 1999, 106, 3340-3347.	1.1	11
113	Catastrophe optics of spheroidal drops and generalized rainbows. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 1999, 63, 341-351.	2.3	19
114	Backscattering enhancements due to retroreflection of ultrasonic leaky Rayleigh waves at corners of solid elastic cubes in water. <i>Journal of the Acoustical Society of America</i> , 1999, 105, 700-710.	1.1	11
115	An acoustical helicoidal wave transducer with applications for the alignment of ultrasonic and underwater systems. <i>Journal of the Acoustical Society of America</i> , 1999, 106, 3313-3316.	1.1	266
116	A time-resolved glimpse of the terahertz glory. <i>Nature</i> , 1998, 391, 841-842.	27.8	5
117	Generalized tertiary rainbow of slightly oblate drops: observations with laser illumination. <i>Applied Optics</i> , 1998, 37, 1520.	2.1	23
118	Scattering observations for tilted transparent fibers: evolution of Airy caustics with cylinder tilt and the caustic merging transition. <i>Applied Optics</i> , 1998, 37, 1534.	2.1	16
119	Descartes glare points in scattering by icicles: color photographs and a tilted dielectric cylinder model of caustic and glare-point evolution. <i>Applied Optics</i> , 1998, 37, 1551.	2.1	11
120	Resonator frequency shift due to ultrasonically induced microparticle migration in an aqueous suspension: Observations and model for the maximum frequency shift. <i>Journal of the Acoustical Society of America</i> , 1998, 103, 3290-3300.	1.1	25
121	High-frequency backscattering enhancements by thick finite cylindrical shells in water at oblique incidence: Experiments, interpretation, and calculations. <i>Journal of the Acoustical Society of America</i> , 1998, 103, 785-794.	1.1	65
122	Background contributions and coupling coefficients for backscattering by thick shells. <i>Journal of the Acoustical Society of America</i> , 1997, 101, 3792-3797.	1.1	5
123	Approximate meridional leaky ray amplitudes for tilted cylinders: End-backscattering enhancements and comparisons with exact theory for infinite solid cylinders. <i>Journal of the Acoustical Society of America</i> , 1997, 102, 358-369.	1.1	22
124	The effects of a soluble surfactant on quadrupole shape oscillations and dissolution of air bubbles in water. <i>Journal of the Acoustical Society of America</i> , 1997, 102, 3372-3377.	1.1	19
125	Spatial approximation of leaky wave surface amplitudes for three-dimensional high-frequency scattering: Fresnel patches and application to edge-excited and regular helical waves on cylinders. <i>Journal of the Acoustical Society of America</i> , 1997, 102, 1628-1638.	1.1	12
126	Stabilization of a cylindrical capillary bridge far beyond the Rayleigh "Plateau limit using acoustic radiation pressure and active feedback. <i>Journal of Fluid Mechanics</i> , 1997, 351, 345-357.	3.4	62

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127	Wide bandwidth and low-frequency target response measurements with a large PVDF sheet source outside the laboratory. Journal of the Acoustical Society of America, 1997, 101, 3198-3198.	1.1	0
128	Backscattering enhancement for tilted plastic cylinders in water due to the caustic-emerging transition: Ultrasonic observations. Journal of the Acoustical Society of America, 1997, 102, 3088-3088.	1.1	0
129	Capillary bridge modes driven with modulated ultrasonic radiation pressure. Physics of Fluids, 1996, 8, 3-5.	4.0	59
130	Variable phase coupling coefficient for leaky waves on spheres and cylinders from resonance scattering theory. Wave Motion, 1995, 22, 65-74.	2.0	9
131	Energy branching of a subsonic flexural wave on a plate at an air-water interface. I. Observation of the wave field near the interface and near the plate. Journal of the Acoustical Society of America, 1995, 97, 1389-1398.	1.1	11
132	Equilibrium shape of an acoustically levitated bubble driven above resonance. Journal of the Acoustical Society of America, 1995, 97, 2138-2143.	1.1	21
133	Traveling-wave decomposition of surface displacements associated with scattering by a cylindrical shell: Numerical evaluation displaying guided forward and backward wave properties. Journal of the Acoustical Society of America, 1995, 98, 3501-3507.	1.1	16
134	Ultrasonic four-wave mixing mediated by an aqueous suspension of microspheres: Theoretical steady-state properties. Journal of the Acoustical Society of America, 1995, 98, 1731-1741.	1.1	5
135	Measurement and interpretation of the impulse response for backscattering by a thin spherical shell using a broad-bandwidth source that is nearly acoustically transparent. Journal of the Acoustical Society of America, 1995, 97, 2699-2708.	1.1	25
136	Leaky waves on weakly curved scatterers. II. Convolution formulation for two-dimensional high-frequency scattering. Journal of the Acoustical Society of America, 1995, 97, 34-41.	1.1	14
137	Free decay of shape oscillations of bubbles acoustically trapped in water and sea water. Journal of Fluid Mechanics, 1995, 300, 149-167.	3.4	51
138	Leaky waves on curved scatterers. I. Fresnel width of coupling regions and elliptical Fresnel patches. Journal of the Acoustical Society of America, 1994, 96, 1893-1898.	1.1	8
139	Acoustic radiation force on a bubble driven above resonance. Journal of the Acoustical Society of America, 1994, 96, 3096-3099.	1.1	33
140	Enhancement of the backscattering of high-frequency tone bursts by thin spherical shells associated with a backwards wave: Observations and ray approximation. Journal of the Acoustical Society of America, 1994, 96, 3704-3714.	1.1	33
141	Generalized rainbows and unfolded glories of oblate drops: organization for multiple internal reflections and extension of cusps into Alexander's dark band. Applied Optics, 1994, 33, 4702.	2.1	26
142	Travel time surface of a transverse cusp caustic produced by reflection of acoustical transients from a curved metal surface in water. Journal of the Acoustical Society of America, 1994, 95, 650-660.	1.1	4
143	Response of bubbles to ultrasonic radiation pressure: Dynamics in low gravity and shape oscillations. Fluid Mechanics and Its Applications, 1994, , 343-353.	0.2	12
144	Electromagnetic acoustic wave transducer for the generation of acoustic evanescent waves on membranes and optical and capacitor wave-number selective detectors. Journal of the Acoustical Society of America, 1993, 93, 2221-2227.	1.1	9

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145	Observation of the midfrequency enhancement of tone bursts backscattered by a thin spherical shell in water near the coincidence frequency. Journal of the Acoustical Society of America, 1993, 93, 224-230.	1.1	28
146	Optical detection of transient bubble oscillations associated with the underwater noise of rain. Journal of the Acoustical Society of America, 1993, 94, 2788-2792.	1.1	13
147	Diffraction of evanescent wave tone bursts on a membrane in air. Journal of the Acoustical Society of America, 1993, 93, 1192-1195.	1.1	3
148	Shape oscillations of bubbles in water driven by modulated ultrasonic radiation pressure: Observations and detection with scattered laser light. Journal of the Acoustical Society of America, 1993, 93, 706-713.	1.1	41
149	Backscattering of chirped bursts by a thin spherical shell near the coincidence frequency. Journal of the Acoustical Society of America, 1993, 93, 2700-2706.	1.1	10
150	Transverse cusp diffraction catastrophes produced by the reflection of ultrasonic tone bursts from a curved surface in water: Observations. Journal of the Acoustical Society of America, 1992, 92, 2869-2877.	1.1	8
151	Geometrical and Catastrophe Optics Methods in Scattering. Physical Acoustics, 1992, , 1-234.	0.0	56
152	Ray synthesis of the form function for backscattering from an elastic spherical shell: Leaky Lamb waves and longitudinal resonances. Journal of the Acoustical Society of America, 1991, 89, 2545-2558.	1.1	28
153	Ray synthesis of Lamb wave contributions to the total scattering cross section for an elastic spherical shell. Journal of the Acoustical Society of America, 1990, 88, 1103-1113.	1.1	53
154	Longitudinal resonances in the form function for backscattering from a spherical shell: Fluid shell case. Journal of the Acoustical Society of America, 1990, 88, 1114-1122.	1.1	11
155	Phase velocity of Lamb waves on a spherical shell: Approximate dependence on curvature from kinematics. Journal of the Acoustical Society of America, 1989, 85, 2663-2665.	1.1	14
156	Observations and modeling of the backscattering of short tone bursts from a spherical shell: Lamb wave echoes, glory, and axial reverberations. Journal of the Acoustical Society of America, 1989, 85, 1014-1028.	1.1	72
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