

# Amr Baz

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

167  
papers

4,276  
citations

36  
h-index

58  
g-index

185  
ext. papers

4,827  
ext. citations

2.6  
avg, IF

5.94  
L-index

#	Paper	IF	Citations
167	Damping and Bandgap Characteristics of a Viscoelastic Tensegrity Damper. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , <b>2022</b> , 144,	1.6	1
166	Impact and Bandgap Characteristics of Periodic Rods With Viscoelastic Inserts and Local Resonators. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , <b>2021</b> , 143,	1.6	1
165	Dynamic behavior of polyurea composites subjected to high strain rate loading. <i>Finite Elements in Analysis and Design</i> , <b>2021</b> , 186, 103501	2.2	2
164	Vibration of Periodic Drill-Strings with Local Sources of Resonance. <i>Vibration</i> , <b>2021</b> , 4, 586-601	2	1
163	Active control of the dynamic density of acoustic metamaterials. <i>Applied Acoustics</i> , <b>2021</b> , 178, 108001	3.1	5
162	Experimental characterization of a one-dimensional nonreciprocal acoustic metamaterial with anti-parallel diodes. <i>Journal of Applied Physics</i> , <b>2021</b> , 129, 074502	2.5	2
161	Experimental implementation of an active synthesis of a gyroscopic-nonreciprocal acoustic metamaterial. <i>Journal of Applied Physics</i> , <b>2021</b> , 129, 074501	2.5	4
160	Experimental realization of an active non-reciprocal metamaterial using an eigen-structure assignment control strategy. <i>Journal of the Acoustical Society of America</i> , <b>2021</b> , 150, 1092	2.2	3
159	Active nonreciprocal metamaterial using an eigen-structure assignment control strategy. <i>Journal of the Acoustical Society of America</i> , <b>2020</b> , 147, 2656	2.2	6
158	Finite element modeling of one-dimensional nonreciprocal acoustic metamaterial with anti-parallel diodes. <i>Journal of the Acoustical Society of America</i> , <b>2020</b> , 148, 334	2.2	7
157	Active synthesis of a gyroscopic-nonreciprocal acoustic metamaterial. <i>Journal of the Acoustical Society of America</i> , <b>2020</b> , 148, 1271	2.2	6
156	Active acoustic metamaterial with tunable effective density using a disturbance rejection controller. <i>Journal of Applied Physics</i> , <b>2019</b> , 125, 074503	2.5	14
155	Energy dissipation characteristics of polyurea and polyurea/carbon black composites. <i>Mechanics of Time-Dependent Materials</i> , <b>2019</b> , 23, 223-247	1.2	3
154	<b>2019</b> ,		19
153	Active nonreciprocal acoustic metamaterials using a switching controller. <i>Journal of the Acoustical Society of America</i> , <b>2018</b> , 143, 1376	2.2	21
152	Band Gap Characteristics of Nonrotating Passive Periodic Drill String. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , <b>2018</b> , 140,	1.6	4
151	Dynamic behavior and damping characteristics of carbon black polymer composites at high strain rates. <i>Advances in Polymer Technology</i> , <b>2018</b> , 37, 3364-3375	1.9	2

150	Band gap characteristics of periodic gyroscopic systems. <i>Journal of Sound and Vibration</i> , <b>2018</b> , 435, 301-322	3.2	9
149	Active Acoustic Metamaterials With Programmable Densities Using an H-∞ Controller <b>2018</b> ,		1
148	Vibration Control with Periodic Structures <b>2018</b> , 523-588		
147	Power Flow in Damped Structures <b>2018</b> , 651-697		
146	Finite Element Modeling of Viscoelastic Damping by Modal Strain Energy Method <b>2018</b> , 205-241		
145	Periodic metamaterial plates with smart tunable local resonators. <i>Journal of Intelligent Material Systems and Structures</i> , <b>2016</b> , 27, 1829-1845	2.3	55
144	Piezoelectric Vibration Energy Harvesting From a Two-Dimensional Coupled Acoustic-Structure System With a Dynamic Magnifier. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , <b>2015</b> , 137,	1.6	12
143	Wave propagation in metamaterial plates with periodic local resonances. <i>Journal of Sound and Vibration</i> , <b>2015</b> , 341, 53-73	3.9	128
142	Boundary Layer Structure to Derive Marginal Condition for Spontaneous Oscillations of a Thermoacoustic Engine Coupled with a Piezoelectric Element. <i>Energy Procedia</i> , <b>2014</b> , 45, 568-577	2.3	1
141	Theoretical modeling and experimental realization of dynamically magnified thermoacoustic-piezoelectric energy harvesters. <i>Journal of Sound and Vibration</i> , <b>2014</b> , 333, 3138-3152	3.9	11
140	Piezo-driven thermoacoustic refrigerators with dynamic magnifiers. <i>Applied Acoustics</i> , <b>2014</b> , 83, 86-99	3.1	9
139	Topology optimization of unconstrained damping treatments for plates. <i>Engineering Optimization</i> , <b>2014</b> , 46, 1153-1168	2	34
138	A Distributed Parameter Cantilevered Piezoelectric Energy Harvester with a Dynamic Magnifier. <i>Mechanics of Advanced Materials and Structures</i> , <b>2014</b> , 21, 566-578	1.8	17
137	Interior acoustic cloak. <i>AIP Advances</i> , <b>2014</b> , 4, 124305	1.5	3
136	Onset of Oscillations in Traveling Wave Thermo-Acoustic-Piezo-Electric Harvesters Using Circuit Analogy and SPICE Modeling. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , <b>2014</b> , 136,	1.6	4
135	Vibration Characteristics of Metamaterial Beams With Periodic Local Resonances. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , <b>2014</b> , 136,	1.6	62
134	Transient characteristics and stability analysis of standing wave thermoacoustic-piezoelectric harvesters. <i>Journal of the Acoustical Society of America</i> , <b>2014</b> , 135, 669-78	2.2	10
133	Metamaterial structures with periodic local resonances <b>2014</b> ,		5

132	Performance of a traveling wave thermoacoustic-piezoelectric energy harvester: An electrical circuit analogy approach. <i>Journal of Intelligent Material Systems and Structures</i> , <b>2014</b> , 25, 1372-1383	2.3	5
131	Optimum design of thermoacoustic-piezoelectric systems with dynamic magnifiers. <i>Engineering Optimization</i> , <b>2014</b> , 46, 543-561	2	8
130	Active Acoustic Metamaterial With Simultaneously Programmable Density and Bulk Modulus. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , <b>2013</b> , 135,	1.6	29
129	Experimental characterization of active acoustic metamaterial cell with controllable dynamic density. <i>Journal of Applied Physics</i> , <b>2012</b> , 112, 084912	2.5	29
128	Analysis and experimental demonstration of an active acoustic metamaterial cell. <i>Journal of Applied Physics</i> , <b>2012</b> , 111, 044505	2.5	40
127	Smart paint sensor for monitoring structural vibrations. <i>Smart Materials and Structures</i> , <b>2012</b> , 21, 045004	3.4	4
126	Energy Harvesting of Thermoacoustic-Piezo Systems With a Dynamic Magnifier. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , <b>2012</b> , 134,	1.6	16
125	Onset of Self-Excited Oscillations of Traveling Wave Thermo-Acoustic-Piezoelectric Energy Harvester Using Root-Locus Analysis. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , <b>2012</b> , 134,	1.6	9
124	Cantilevered Piezoelectric Energy Harvester With a Dynamic Magnifier. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , <b>2012</b> , 134,	1.6	51
123	Energy harvesting from a standing wave thermoacoustic-piezoelectric resonator. <i>Journal of Applied Physics</i> , <b>2012</b> , 111, 104901	2.5	66
122	Acoustic metamaterials with circular sector cavities and programmable densities. <i>Journal of the Acoustical Society of America</i> , <b>2012</b> , 132, 2857-65	2.2	6
121	A technique for physical realization of anisotropic density matrices with application to acoustic beam shifters. <i>Journal of Applied Physics</i> , <b>2012</b> , 111, 024907	2.5	2
120	Multicell Active Acoustic Metamaterial With Programmable Effective Densities. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , <b>2012</b> , 134,	1.6	13
119	Attenuation of wave propagation in a novel periodic structure. <i>Journal of Central South University</i> , <b>2011</b> , 18, 438-443	2.1	5
118	Maximization of the harvested power from piezoelectric bimorphs with multiple electrodes under dynamic excitation. <i>Finite Elements in Analysis and Design</i> , <b>2011</b> , 47, 1232-1241	2.2	5
117	Energy Harvester with a Dynamic Magnifier. <i>Journal of Intelligent Material Systems and Structures</i> , <b>2011</b> , 22, 521-530	2.3	93
116	Stability analysis of active acoustic metamaterial with programmable bulk modulus. <i>Smart Materials and Structures</i> , <b>2011</b> , 20, 125010	3.4	16
115	An Active Acoustic Metamaterial With Tunable Effective Density. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , <b>2010</b> , 132,	1.6	46

114	Multi-cell Active Acoustic Metamaterial with Programmable Bulk Modulus. <i>Journal of Intelligent Material Systems and Structures</i> , <b>2010</b> , 21, 541-556	2.3	46
113	Mechanical filtering characteristics of passive periodic engine mount. <i>Finite Elements in Analysis and Design</i> , <b>2010</b> , 46, 685-697	2.2	10
112	Modeling and Characterization of a Linear Piezomotor. <i>Journal of Intelligent Material Systems and Structures</i> , <b>2009</b> , 20, 1913-1921	2.3	8
111	The structure of an active acoustic metamaterial with tunable effective density. <i>New Journal of Physics</i> , <b>2009</b> , 11, 123010	2.9	71
110	Nanocomposite functional paint sensor for vibration and noise monitoring. <i>Sensors and Actuators A: Physical</i> , <b>2009</b> , 149, 233-240	3.9	13
109	Topology optimization of a plate coupled with acoustic cavity. <i>International Journal of Solids and Structures</i> , <b>2009</b> , 46, 2060-2074	3.1	49
108	Fuzzy-sliding mode control of a full car semi-active suspension systems with MR dampers. <i>Smart Structures and Systems</i> , <b>2009</b> , 5, 261-277		3
107	Finite Element Modeling of Plates with Arbitrary Oriented Isogrid Stiffeners. <i>Mechanics of Advanced Materials and Structures</i> , <b>2008</b> , 15, 130-141	1.8	2
106	Topology optimization of periodic Mindlin plates. <i>Finite Elements in Analysis and Design</i> , <b>2008</b> , 44, 439-449	2.2	23
105	Optimization of the static and dynamic characteristics of plates with isogrid stiffeners. <i>Finite Elements in Analysis and Design</i> , <b>2008</b> , 44, 513-523	2.2	19
104	Hybrid Composites with Shunted Piezoelectric Particles for Vibration Damping. <i>Mechanics of Advanced Materials and Structures</i> , <b>2007</b> , 14, 413-426	1.8	16
103	Finite Element Modeling of Smart Foam for Active Vibration and Noise Control Applications. <i>Mechanics of Advanced Materials and Structures</i> , <b>2007</b> , 14, 477-498	1.8	3
102	Wireless and distributed sensing of the shape of morphing structures. <i>Sensors and Actuators A: Physical</i> , <b>2007</b> , 140, 94-102	3.9	31
101	Control of vehicle suspension using a Non-linear Energy Sink controller. <i>International Journal of Vehicle Noise and Vibration</i> , <b>2007</b> , 3, 27	0.1	1
100	Active periodic struts for a gearbox support system. <i>Smart Materials and Structures</i> , <b>2006</b> , 15, 1707-1714	3.4	22
99	Control of Sound Pressure in a Piston-Pipe System using Active Compression Damping Treatment. <i>JVC/Journal of Vibration and Control</i> , <b>2006</b> , 12, 601-617	2	
98	Response of Periodically Stiffened Shells to a Moving Projectile Propelled by an Internal Pressure Wave. <i>Mechanics of Advanced Materials and Structures</i> , <b>2006</b> , 13, 267-284	1.8	8
97	ACTIVE/PASSIVE SEISMIC CONTROL OF STRUCTURES. <i>Journal of Earthquake Engineering</i> , <b>2006</b> , 10, 509-526	2.6	4

96	A Coupled Nonlinear Model for Axisymmetric Acoustic Resonators Driven by Piezoelectric Bimorphs. <i>Mechanics of Advanced Materials and Structures</i> , <b>2006</b> , 13, 205-217	1.8	1
95	Active Vibration and Noise Control using Smart Foam. <i>JVC/Journal of Vibration and Control</i> , <b>2006</b> , 12, 1173-1203	2	5
94	Finite element modeling of the nonlinear oscillations in axisymmetric acoustic resonators. <i>Finite Elements in Analysis and Design</i> , <b>2006</b> , 42, 1281-1290	2.2	2
93	Dynamic stability of periodic shells with moving loads. <i>Journal of Sound and Vibration</i> , <b>2006</b> , 296, 830-844	3.9	29
92	The vibro-acoustic response and analysis of a full-scale aircraft fuselage section for interior noise reduction. <i>Journal of the Acoustical Society of America</i> , <b>2005</b> , 117, 3667-78	2.2	20
91	Periodic Struts for Gearbox Support System. <i>JVC/Journal of Vibration and Control</i> , <b>2005</b> , 11, 709-721	2	24
90	Attenuation of wave propagation in fluid-loaded shells with periodic shunted piezoelectric rings. <i>Smart Materials and Structures</i> , <b>2005</b> , 14, 594-604	3.4	57
89	Efficient virtual reality design of quiet underwater shells. <i>Virtual Reality</i> , <b>2005</b> , 9, 57-69	6	1
88	Vibration Control of Beams with Negative Capacitive Shunting of Interdigital Electrode Piezoceramics. <i>JVC/Journal of Vibration and Control</i> , <b>2005</b> , 11, 331-346	2	74
87	Wave Propagation in Periodic Shells with Tapered Wall Thickness and Changing Material Properties. <i>Shock and Vibration</i> , <b>2004</b> , 11, 411-432	1.1	7
86	Active/passive reduction of vibration of periodic one-dimensional structures using piezoelectric actuators. <i>Smart Materials and Structures</i> , <b>2004</b> , 13, 698-711	3.4	29
85	Active piezoelectric damping composites. <i>Sensors and Actuators A: Physical</i> , <b>2004</b> , 112, 340-350	3.9	20
84	Moving-Loads-Induced Instability in Stepped Tubes. <i>JVC/Journal of Vibration and Control</i> , <b>2004</b> , 10, 3-23	2	6
83	DYNAMIC STABILITY OF STEPPED BEAMS UNDER MOVING LOADS. <i>Journal of Sound and Vibration</i> , <b>2002</b> , 250, 835-848	3.9	20
82	Optimal design of underwater stiffened shells. <i>Structural and Multidisciplinary Optimization</i> , <b>2002</b> , 23, 297-310	3.6	15
81	Optimum Placement and Control of Active Constrained Layer Damping using Modal Strain Energy Approach. <i>JVC/Journal of Vibration and Control</i> , <b>2002</b> , 8, 861-876	2	56
80	Vibration Control of Plates Using Self-Sensing Active Constrained Layer Damping Networks. <i>JVC/Journal of Vibration and Control</i> , <b>2002</b> , 8, 833-845	2	12
79	Analytical Solutions to H <sub>1</sub> and H <sub>2</sub> Optimization of Dynamic Vibration Absorbers Attached to Damped Linear Systems. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , <b>2002</b> , 124, 284-295	1.6	226

78	Passive Control of the Vibration and Sound Radiation from Submerged Shells. <i>JVC/Journal of Vibration and Control</i> , <b>2002</b> , 8, 425-445	2	13
77	Active Control of Vibration and Noise Radiation from Fluid-Loaded Cylinder using Active Constrained Layer Damping. <i>JVC/Journal of Vibration and Control</i> , <b>2002</b> , 8, 877-902	2	16
76	Comparison between finite element formulations of active constrained layer damping using classical and layer-wise laminate theory. <i>Finite Elements in Analysis and Design</i> , <b>2001</b> , 37, 35-56	2.2	28
75	ACTIVE CONSTRAINED LAYER DAMPING OF THIN CYLINDRICAL SHELLS. <i>Journal of Sound and Vibration</i> , <b>2001</b> , 240, 921-935	3.9	73
74	Active Control of Periodic Structures. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , <b>2001</b> , 123, 472-479	1.6	92
73	Attenuation and localization of wave propagation in rods with periodic shunted piezoelectric patches. <i>Smart Materials and Structures</i> , <b>2001</b> , 10, 979-989	3.4	170
72	Vibration control of rotating beams with active constrained layer damping. <i>Smart Materials and Structures</i> , <b>2001</b> , 10, 112-120	3.4	37
71	Active control of wave propagation in periodic fluid-loaded shells. <i>Smart Materials and Structures</i> , <b>2001</b> , 10, 893-906	3.4	23
70	Control of Nonlinear Vibration of Beams Using Active Constrained Layer Damping. <i>JVC/Journal of Vibration and Control</i> , <b>2001</b> , 7, 539-549	2	26
69	Vibration Control of Beams Using Electro-Magnetic Compressional Damping Treatment. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , <b>2000</b> , 122, 235-243	1.6	14
68	FINITE ELEMENT MODELLING OF MAGNETIC CONSTRAINED LAYER DAMPING. <i>Journal of Sound and Vibration</i> , <b>2000</b> , 236, 657-682	3.9	19
67	Active/passive control of sound radiation and power flow in fluid-loaded shells. <i>Thin-Walled Structures</i> , <b>2000</b> , 38, 17-42	4.7	14
66	Control of axi-symmetric vibrations of cylindrical shells using active constrained layer damping. <i>Thin-Walled Structures</i> , <b>2000</b> , 36, 1-20	4.7	34
65	Finite element modeling of vibration and sound radiation from fluid-loaded damped shells. <i>Thin-Walled Structures</i> , <b>2000</b> , 36, 21-46	4.7	16
64	Energy-dissipation characteristics of active piezoelectric damping composites. <i>Composites Science and Technology</i> , <b>2000</b> , 60, 2759-2768	8.6	11
63	Performance Characteristics of the Magnetic Constrained Layer Damping. <i>Shock and Vibration</i> , <b>2000</b> , 7, 81-90	1.1	15
62	Control of Wave Propagation in Periodic Composite Rods Using Shape Memory Inserts. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , <b>2000</b> , 122, 151-159	1.6	102
61	Control of Wave Propagation in Composite Rods Using Shape Memory Inserts: Theory and Experiments. <i>JVC/Journal of Vibration and Control</i> , <b>2000</b> , 6, 1065-1081	2	25

60	Attenuation and localization of wave propagation in periodic rods using shape memory inserts. <i>Smart Materials and Structures</i> , <b>2000</b> , 9, 805-816	3-4	51
59	H $\infty$ Control of Active Constrained Layer Damping. <i>JVC/Journal of Vibration and Control</i> , <b>2000</b> , 6, 113-136	2	18
58	Spectral finite-element modeling of the longitudinal wave propagation in rods treated with active constrained layer damping. <i>Smart Materials and Structures</i> , <b>2000</b> , 9, 372-377	3-4	19
57	Control of sound radiation from a plate into an acoustic cavity using active constrained layer damping. <i>Smart Materials and Structures</i> , <b>1999</b> , 8, 292-300	3-4	26
56	VIBRATION CONTROL OF BENDING MODES OF PLATES USING ACTIVE CONSTRAINED LAYER DAMPING. <i>Journal of Sound and Vibration</i> , <b>1999</b> , 227, 711-734	3-9	36
55	Vibration Damping and Control Using Active Constrained Layer Damping: A Survey. <i>The Shock and Vibration Digest</i> , <b>1999</b> , 31, 355-364		14
54	ROBUST CONTROL OF ACTIVE CONSTRAINED LAYER DAMPING. <i>Journal of Sound and Vibration</i> , <b>1998</b> , 211, 467-480	3-9	44
53	Control of sound radiation from a plate into an acoustic cavity using active piezoelectric-damping composites. <i>Smart Materials and Structures</i> , <b>1998</b> , 7, 1-11	3-4	45
52	Optimization of energy dissipation characteristics of active constrained layer damping. <i>Smart Materials and Structures</i> , <b>1997</b> , 6, 360-368	3-4	33
51	Boundary Control of Beams Using Active Constrained Layer Damping. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , <b>1997</b> , 119, 166-172	1.6	51
50	Vibration Control of a Flexible Arm with Active Constrained Layer Damping. <i>Journal of Low Frequency Noise Vibration and Active Control</i> , <b>1997</b> , 16, 271-287	1.5	4
49	A New Class of Distributed Sensors. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , <b>1997</b> , 119, 582-589	1.6	4
48	ADAPTIVE CONTROL OF FLEXIBLE STRUCTURES USING MODAL POSITIVE POSITION FEEDBACK. <i>International Journal of Adaptive Control and Signal Processing</i> , <b>1997</b> , 11, 231-253	2.8	28
47	OPTIMIZATION OF ENERGY DISSIPATION OF ACTIVE CONSTRAINED LAYER DAMPING TREATMENTS OF PLATES. <i>Journal of Sound and Vibration</i> , <b>1997</b> , 208, 391-406	3-9	61
46	DYNAMIC BOUNDARY CONTROL OF BEAMS USING ACTIVE CONSTRAINED LAYER DAMPING. <i>Mechanical Systems and Signal Processing</i> , <b>1997</b> , 11, 811-825	7.8	26
45	Modal and physical deflections of beams using distributed wire sensors. <i>Smart Materials and Structures</i> , <b>1996</b> , 5, 261-271	3-4	8
44	Experimental adaptive control of sound radiation from a panel into an acoustic cavity using active constrained layer damping. <i>Smart Materials and Structures</i> , <b>1996</b> , 5, 649-659	3-4	20
43	Vibration control of plates with active constrained layer damping. <i>Smart Materials and Structures</i> , <b>1996</b> , 5, 272-280	3-4	103



42	Optimum design of a bouyancy and gravity-driven underwater robot. <i>Journal of Field Robotics</i> , <b>1996</b> , 13, 461-473		1
41	Optimal vibration control with modal positive position feedback. <i>Optimal Control Applications and Methods</i> , <b>1996</b> , 17, 141-149	1.7	52
40	A DEMONSTRATION OF ADAPTIVE LEAST-MEAN-SQUARE CONTROL OF SMALL AMPLITUDE VORTEX-INDUCED VIBRATIONS. <i>Journal of Fluids and Structures</i> , <b>1996</b> , 10, 615-632	3.1	14
39	NITINOL-reinforced plates: Part II. Static and buckling characteristics. <i>Composites Part B: Engineering</i> , <b>1995</b> , 5, 77-90		31
38	Performance Characteristics of Active Constrained Layer Damping. <i>Shock and Vibration</i> , <b>1995</b> , 2, 33-42	1.1	38
37	Continuous Sliding Mode Control of Flow-Induced Vibrations. <i>Shock and Vibration</i> , <b>1995</b> , 2, 365-372	1.1	2
36	Optimum Design and Control of Active Constrained Layer Damping. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , <b>1995</b> , 117, 135-144	1.6	51
35	Optimum Design and Control of Active Constrained Layer Damping. <i>Journal of Mechanical Design, Transactions of the ASME</i> , <b>1995</b> , 117, 135-144	3	44
34	Optimal deflection control of multi-segment traversing beams. <i>Smart Materials and Structures</i> , <b>1995</b> , 4, 75-82	3.4	3
33	Experimental and theoretical evaluation of the buoyancy and gravity driven underwater robots. <i>Robotica</i> , <b>1995</b> , 13, 273-286	2.1	1
32	Control of the natural frequencies of nitinol-reinforced composite beams. <i>Journal of Sound and Vibration</i> , <b>1995</b> , 185, 171-185	3.9	60
31	NITINOL-reinforced plates: Part I. Thermal characteristics. <i>Composites Part B: Engineering</i> , <b>1995</b> , 5, 61-75		32
30	Optimal vibration control of NITINOL-reinforced composites. <i>Composites Part B: Engineering</i> , <b>1994</b> , 4, 567-576		7
29	Active Modal Control of Vortex-Induced Vibrations of a Flexible Cylinder. <i>Journal of Sound and Vibration</i> , <b>1993</b> , 165, 69-84	3.9	22
28	A Multi-Mode Distributed Sensor for Vibrating Beams. <i>Journal of Sound and Vibration</i> , <b>1993</b> , 165, 481-495	3.9	10
27	Torsional stiffness of NITINOL-reinforced composite drive shafts. <i>Composites Part B: Engineering</i> , <b>1993</b> , 3, 1119-1130		11
26	Independent Modal Space Control With Positive Position Feedback. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , <b>1992</b> , 114, 96-103	1.6	47
25	Thermo-dynamic characteristics of nitinol-reinforced composite beams. <i>Composites Part B: Engineering</i> , <b>1992</b> , 2, 527-542		39

24	A neural observer for dynamic systems. <i>Journal of Sound and Vibration</i> , <b>1992</b> , 152, 227-243	3.9	6
23	Active control of flow-induced vibrations of a flexible cylinder using direct velocity feedback. <i>Journal of Sound and Vibration</i> , <b>1991</b> , 146, 33-45	3.9	68
22	Active vibration control of propeller shafts. <i>Journal of Sound and Vibration</i> , <b>1990</b> , 136, 361-372	3.9	14
21	Experimental implementation of the modified independent modal space control method. <i>Journal of Sound and Vibration</i> , <b>1990</b> , 139, 133-149	3.9	42
20	Buoyancy- and Gravity-Powered Underwater Robots. <i>International Journal of Robotics Research</i> , <b>1990</b> , 9, 60-69	5.7	3
19	Active Control of a Flexible Structure Using a Modal Positive Position Feedback Controller. <i>Journal of Intelligent Material Systems and Structures</i> , <b>1990</b> , 1, 273-288	2.3	26
18	The Dynamics of Helical Shape Memory Actuators. <i>Journal of Intelligent Material Systems and Structures</i> , <b>1990</b> , 1, 105-133	2.3	23
17	Modified Independent Modal Space Control Method for Active Control of Flexible Systems. <i>Proceedings of the Institution of Mechanical Engineers Part C Mechanical Engineering Science</i> , <b>1989</b> , 203, 103-112		9
16	Performance of an active control system with piezoelectric actuators. <i>Journal of Sound and Vibration</i> , <b>1988</b> , 126, 327-343	3.9	350
15	Feasibility of vortex tube-assisted environmental control of a manned underwater research habitat. <i>Ocean Engineering</i> , <b>1988</b> , 15, 33-54	3.9	7
14	Vortex Tube-Assisted Environmental Control of Hyperbaric Chambers. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , <b>1988</b> , 110, 230-236	2.6	0
13	A self-heated first stage breathing regulator for underwater divers. <i>Ocean Engineering</i> , <b>1986</b> , 13, 373-386	3.9	6
12	The dynamic characteristics of vortex tube-assisted hyperbaric chambers. <i>Ocean Engineering</i> , <b>1986</b> , 13, 387-408	3.9	5
11	A compressed gas-powered heating system for underwater divers. <i>Ocean Engineering</i> , <b>1986</b> , 13, 273-290	3.9	6
10	On the Tracking Error of a Self-Contained Solar Tracking System. <i>Journal of Solar Energy Engineering, Transactions of the ASME</i> , <b>1984</b> , 106, 416-422	2.3	3
9	Optimum design of a servo-controlled breathing regulator for underwater divers. <i>Ocean Engineering</i> , <b>1984</b> , 11, 87-110	3.9	1
8	Flow characteristics of exhalation valves of diving regulators. <i>Ocean Engineering</i> , <b>1984</b> , 11, 111-128	3.9	
7	A comparative study of the breathing and clearing characteristics of different types of snorkels. <i>Ocean Engineering</i> , <b>1980</b> , 7, 459-475	3.9	

6	Inert gas transport in the microcirculation: risk of isobaric supersaturation. <i>Journal of Applied Physiology</i> , <b>1979</b> , 46, 1157-63	3.7	6
5	Optimization of man's energy during underwater paddle propulsion. <i>Ergonomics</i> , <b>1979</b> , 22, 1105-14	2.9	2
4	Nitrogen elimination in man during decompression. <i>Undersea Biomedical Research</i> , <b>1975</b> , 2, 285-97		5
3	Supportive forces on the human body during underwater activities. <i>Journal of Biomechanics</i> , <b>1971</b> , 4, 23-30	2.9	6
2	Active piezo-electric damping composites		1
1	Optimum design and control of partial active constrained layer damping treatments		1