

Jinhao Qiu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9226872/publications.pdf>

Version: 2024-02-01

327
papers

6,629
citations

71102

41
h-index

118850

62
g-index

329
all docs

329
docs citations

329
times ranked

4951
citing authors

#	ARTICLE	IF	CITATIONS
1	A piezoelectric spring pendulum oscillator used for multi-directional and ultra-low frequency vibration energy harvesting. <i>Applied Energy</i> , 2018, 231, 600-614.	10.1	184
2	Intelligent Material Systems: Application of Functional Materials. <i>Applied Mechanics Reviews</i> , 1998, 51, 505-521.	10.1	177
3	Piezoelectric vibration control by synchronized switching on adaptive voltage sources: Towards wideband semi-active damping. <i>Journal of the Acoustical Society of America</i> , 2006, 119, 2815-2825.	1.1	174
4	Lead-Free Barium Titanate Ceramics with Large Piezoelectric Constant Fabricated by Microwave Sintering. <i>Japanese Journal of Applied Physics</i> , 2006, 45, L30-L32.	1.5	172
5	Characterization of acoustic black hole effect using a one-dimensional fully-coupled and wavelet-decomposed semi-analytical model. <i>Journal of Sound and Vibration</i> , 2016, 374, 172-184.	3.9	163
6	A modified prandtl-ishlinskii model for modeling asymmetric hysteresis of piezoelectric actuators. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2010, 57, 1200-1210.	3.0	121
7	Enhanced dielectric and ferroelectric properties induced by TiO ₂ @MWCNTs nanoparticles in flexible poly(vinylidene fluoride) composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2014, 65, 125-134.	7.6	93
8	Crystalline Structure, Defect Chemistry and Room Temperature Colossal Permittivity of Nd-doped Barium Titanate. <i>Scientific Reports</i> , 2017, 7, 42274.	3.3	89
9	Enhanced synchronized switch harvesting: a new energy harvesting scheme for efficient energy extraction. <i>Smart Materials and Structures</i> , 2010, 19, 115017.	3.5	84
10	Fabrication and high durability of functionally graded piezoelectric bending actuators. <i>Smart Materials and Structures</i> , 2003, 12, 115-121.	3.5	80
11	Enhancement of vibration based energy harvesting using compound acoustic black holes. <i>Mechanical Systems and Signal Processing</i> , 2019, 132, 441-456.	8.0	80
12	Comparison between four piezoelectric energy harvesting circuits. <i>Frontiers of Mechanical Engineering in China</i> , 2009, 4, 153-159.	0.4	72
13	Application of low frequency ECT method in noncontact detection and visualization of CFRP material. <i>Composites Part B: Engineering</i> , 2017, 110, 141-152.	12.0	69
14	Investigations on flexural wave propagation and attenuation in a modified one-dimensional acoustic black hole using a laser excitation technique. <i>Mechanical Systems and Signal Processing</i> , 2018, 104, 19-35.	8.0	69
15	Highly sensitive, reliable and flexible pressure sensor based on piezoelectric PVDF hybrid film using MXene nanosheet reinforcement. <i>Journal of Alloys and Compounds</i> , 2021, 886, 161069.	5.5	68
16	PVDF-Based Composition-Gradient Multilayered Nanocomposites for Flexible High-Performance Piezoelectric Nanogenerators. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 11045-11054.	8.0	67
17	Investigation of an ultra-low frequency piezoelectric energy harvester with high frequency up-conversion factor caused by internal resonance mechanism. <i>Mechanical Systems and Signal Processing</i> , 2022, 162, 108038.	8.0	67
18	Vibration Control of a Cylindrical Shell Using Distributed Piezoelectric Sensors and Actuators. <i>Journal of Intelligent Material Systems and Structures</i> , 1995, 6, 474-481.	2.5	65

#	ARTICLE	IF	CITATIONS
19	Effects of excess sulfur source on the formation and photocatalytic properties of flower-like MoS ₂ spheres by hydrothermal synthesis. <i>Materials Letters</i> , 2015, 144, 153-156.	2.6	64
20	Role of interlaminar interface on bulk conductivity and electrical anisotropy of CFRP laminates measured by eddy current method. <i>NDT and E International</i> , 2014, 68, 1-12.	3.7	61
21	Dramatically improved piezoelectric properties of poly(vinylidene fluoride) composites by incorporating aligned TiO ₂ @MWCNTs. <i>Composites Science and Technology</i> , 2016, 123, 259-267.	7.8	61
22	A low-power circuit for piezoelectric vibration control by synchronized switching on voltage sources. <i>Sensors and Actuators A: Physical</i> , 2010, 161, 245-255.	4.1	60
23	Analysis of ray trajectories of flexural waves propagating over generalized acoustic black hole indentations. <i>Journal of Sound and Vibration</i> , 2018, 417, 216-226.	3.9	60
24	Ultra-long VO ₂ (A) nanorods using the high-temperature mixing method under hydrothermal conditions: synthesis, evolution and thermochromic properties. <i>CrystEngComm</i> , 2013, 15, 2753.	2.6	58
25	Application of a Negative Capacitance Circuit in Synchronized Switch Damping Techniques for Vibration Suppression. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 2011, 133, .	1.6	57
26	A 2-degree-of-freedom cubic nonlinear piezoelectric harvester intended for practical low-frequency vibration. <i>Sensors and Actuators A: Physical</i> , 2017, 264, 1-10.	4.1	57
27	Semi-active Vibration Control of a Composite Beam using an Adaptive SSDV Approach. <i>Journal of Intelligent Material Systems and Structures</i> , 2009, 20, 401-412.	2.5	56
28	Wave Energy Focalization in a Plate With Imperfect Two-Dimensional Acoustic Black Hole Indentation. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 2016, 138, .	1.6	56
29	Two-mode vibration control of a beam using nonlinear synchronized switching damping based on the maximization of converted energy. <i>Journal of Sound and Vibration</i> , 2010, 329, 2751-2767.	3.9	54
30	Semi-active Vibration Control of a Composite Beam by Adaptive Synchronized Switching on Voltage Sources Based on LMS Algorithm. <i>Journal of Intelligent Material Systems and Structures</i> , 2009, 20, 939-947.	2.5	53
31	Enhanced electromagnetic wave absorption properties of polyaniline-coated Fe ₃ O ₄ /reduced graphene oxide nanocomposites. <i>Journal of Materials Science: Materials in Electronics</i> , 2014, 25, 3664-3673.	2.2	53
32	Noise reduction inside a cavity coupled to a flexible plate with embedded 2-D acoustic black holes. <i>Journal of Sound and Vibration</i> , 2019, 455, 324-338.	3.9	53
33	Ultra high permittivity and significantly enhanced electric field induced strain in PEDOT:PSS@RGO@PU intelligent shape-changing electro-active polymers. <i>RSC Advances</i> , 2014, 4, 64061-64067.	3.6	50
34	Dielectric, mechanical and electro-stimulus response properties studies of polyurethane dielectric elastomer modified by carbon nanotube-graphene nanosheet hybrid fillers. <i>Polymer Testing</i> , 2015, 47, 4-11.	4.8	50
35	Numerical simulation of natural convection between two elliptical cylinders using DQ method. <i>International Journal of Heat and Mass Transfer</i> , 2004, 47, 797-808.	4.8	48
36	Vibration damping as a result of piezoelectric energy harvesting. <i>Sensors and Actuators A: Physical</i> , 2011, 169, 178-186.	4.1	48

#	ARTICLE	IF	CITATIONS
37	Active flutter suppression of a lifting surface using piezoelectric actuation and modern control theory. <i>Journal of Sound and Vibration</i> , 2006, 291, 706-722.	3.9	47
38	Achieving High Performance Electric Field Induced Strain: A Rational Design of Hyperbranched Aromatic Polyamide Functionalized Graphene/Polyurethane Dielectric Elastomer Composites. <i>Journal of Physical Chemistry B</i> , 2015, 119, 4521-4530.	2.6	46
39	Multi-damage localization on large complex structures through an extended delay-and-sum based method. <i>Structural Health Monitoring</i> , 2016, 15, 50-64.	7.5	46
40	Characterization of fatigue damages in composite laminates using Lamb wave velocity and prediction of residual life. <i>Composite Structures</i> , 2017, 166, 219-228.	5.8	46
41	Poly(methyl methacrylate)-functionalized graphene/polyurethane dielectric elastomer composites with superior electric field induced strain. <i>Materials Letters</i> , 2014, 128, 19-22.	2.6	45
42	Low reflection effect by 3D printed functionally graded acoustic black holes. <i>Journal of Sound and Vibration</i> , 2019, 450, 96-108.	3.9	45
43	A vibration absorber based on two-dimensional acoustic black holes. <i>Journal of Sound and Vibration</i> , 2021, 500, 116024.	3.9	43
44	Preparation and characterization of monodispersed BaTiO ₃ nanocrystals by sol-gel/hydrothermal method. <i>Journal of Crystal Growth</i> , 2013, 363, 300-307.	1.5	42
45	A general and simple method to synthesize well-crystallized nanostructured vanadium oxides for high performance Li-ion batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 9385-9389.	10.3	42
46	Simultaneously improved dielectric constant and breakdown strength of PVDF/Nd-BaTiO ₃ fiber composite films via the surface modification and subtle filler content modulation. <i>Composites Part A: Applied Science and Manufacturing</i> , 2020, 128, 105675.	7.6	41
47	(K, Na)NbO ₃ -based lead-free piezoelectric ceramics manufactured by two-step sintering. <i>Ceramics International</i> , 2012, 38, 2521-2527.	4.8	39
48	Tunable piezoelectric performance of flexible PVDF based nanocomposites from MWCNTs/graphene/MnO ₂ three-dimensional architectures under low poling electric fields. <i>Composites Part A: Applied Science and Manufacturing</i> , 2018, 107, 536-544.	7.6	39
49	Magnetic Force Control Based on the Inverse Magnetostrictive Effect. <i>IEEE Transactions on Magnetics</i> , 2004, 40, 1601-1605.	2.1	38
50	Hydrothermal synthesis of sodium niobate with controllable shape and structure. <i>CrystEngComm</i> , 2012, 14, 411-416.	2.6	38
51	Piezoelectric vibration control for all-clamped panel using DOB-based optimal control. <i>Mechatronics</i> , 2011, 21, 1213-1221.	3.3	37
52	Interlaminar contact resistivity and its influence on eddy currents in carbon fiber reinforced polymer laminates. <i>NDT and E International</i> , 2018, 94, 79-91.	3.7	37
53	Enhanced piezoelectric properties of 0.55Pb(Ni _{1/3} Nb _{2/3})O ₃ -0.135PbZrO ₃ -0.315PbTiO ₃ ternary ceramics by optimizing sintering temperature. <i>Journal of Electroceramics</i> , 2014, 32, 234-239.	2.0	36
54	Stabilized temperature-dependent dielectric properties of Dy-doped BaTiO ₃ ceramics derived from sol-hydrothermally synthesized nanopowders. <i>Ceramics International</i> , 2016, 42, 3170-3176.	4.8	36

#	ARTICLE	IF	CITATIONS
55	Effects of Fe ₂ O ₃ doping on the microstructure and piezoelectric properties of 0.55Pb(Ni _{1/3} Nb _{2/3})O ₃ –0.45Pb(Zr _{0.3} Ti _{0.7})O ₃ ceramics. <i>Materials Letters</i> , 2012, 66, 153-155.	2.6	35
56	Novel electromagnetic modeling approach of carbon fiber-reinforced polymer laminate for calculation of eddy currents and eddy current testing signals. <i>Journal of Composite Materials</i> , 2015, 49, 617-631.	2.4	35
57	Ultra-high discharged energy density in PVDF based composites through inducing MnO ₂ particles with optimized geometric structure. <i>Nano Energy</i> , 2019, 65, 104007.	16.0	35
58	Enhancement of Wave Energy Dissipation in Two-Dimensional Acoustic Black Hole by Simultaneous Optimization of Profile and Damping Layer. <i>Journal of Sound and Vibration</i> , 2021, 491, 115764.	3.9	34
59	Self-sensing force control of a piezoelectric actuator. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2008, 55, 2571-2581.	3.0	33
60	Synthesis of (K, Na) (Nb, Ta)O ₃ lead-free piezoelectric ceramic powders by high temperature mixing method under hydrothermal conditions. <i>Ceramics International</i> , 2012, 38, 1807-1813.	4.8	33
61	Research advances in eddy current testing for maintenance of carbon fiber reinforced plastic composites. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2016, 51, 261-284.	0.6	33
62	An internal resonance based frequency up-converting energy harvester. <i>Journal of Intelligent Material Systems and Structures</i> , 2018, 29, 2766-2781.	2.5	33
63	Flexible textured MnO ₂ nanorods/ PVDF hybrid films with superior piezoelectric performance for energy harvesting application. <i>Composites Science and Technology</i> , 2020, 199, 108330.	7.8	33
64	Buckling and postbuckling characteristics of the superelastic SMA columns. <i>International Journal of Solids and Structures</i> , 2001, 38, 9253-9265.	2.7	32
65	Two-Step Sintering of the Pure K _{0.5} Na _{0.5} NbO ₃ Lead-Free Piezoceramics and Its Piezoelectric Properties. <i>Ferroelectrics</i> , 2009, 392, 120-126.	0.6	32
66	Morphology variation of cadmium hydroxyapatite synthesized by high temperature mixing method under hydrothermal conditions. <i>Materials Chemistry and Physics</i> , 2009, 113, 239-243.	4.0	32
67	Tracking control of piezoelectric stack actuator using modified Prandtl–Ishlinskii model. <i>Journal of Intelligent Material Systems and Structures</i> , 2013, 24, 753-760.	2.5	32
68	Vibration Control of a Plate using a Self-sensing Piezoelectric Actuator and an Adaptive Control Approach. <i>Journal of Intelligent Material Systems and Structures</i> , 2006, 17, 661-669.	2.5	31
69	Multi-modal vibration control using a synchronized switch based on a displacement switching threshold. <i>Smart Materials and Structures</i> , 2009, 18, 035016.	3.5	31
70	High discharged energy density of polymer nanocomposites induced by Nd-doped BaTiO ₃ nanoparticles. <i>Journal of Materiomics</i> , 2018, 4, 44-50.	5.7	31
71	Hydrothermally synthesized barium titanate nanostructures from K ₂ Ti ₄ O ₉ precursors: Morphology evolution and its growth mechanism. <i>Materials Research Bulletin</i> , 2014, 57, 162-169.	5.2	30
72	Frequency attenuation band with low vibration transmission in a finite-size plate strip embedded with 2D acoustic black holes. <i>Mechanical Systems and Signal Processing</i> , 2022, 163, 108149.	8.0	30

#	ARTICLE	IF	CITATIONS
73	Robust Vibration Control of a Plate Using Self-sensing Actuators of Piezoelectric Patches. <i>Journal of Intelligent Material Systems and Structures</i> , 2004, 15, 923-931.	2.5	29
74	Control of Self-Excited Vibration of a Rotor System With Active Gas Bearings. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 2003, 125, 328-334.	1.6	28
75	Modeling and simulation of piezoelectric composite diaphragms for energy harvesting. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2009, 30, 95-106.	0.6	28
76	Wavenumber domain analyses of vibro-acoustic decoupling and noise attenuation in a plate-cavity system enclosed by an acoustic black hole plate. <i>Journal of the Acoustical Society of America</i> , 2019, 146, 72-84.	1.1	28
77	Synthesis of potassium sodium niobate powders using an EDTA/citrate complexing sol-gel method. <i>Particuology</i> , 2012, 10, 777-782.	3.6	27
78	Structural damage detections based on a general vibration model identification approach. <i>Mechanical Systems and Signal Processing</i> , 2019, 123, 316-332.	8.0	27
79	Mode conversion behavior of guided wave in glass fiber reinforced polymer with fatigue damage accumulation. <i>Composites Science and Technology</i> , 2020, 192, 108073.	7.8	27
80	Fabrication of Pb(Nb,Ni)O ₃ -Pb(Zr,Ti)O ₃ Piezoelectric Ceramic Fibers by Extrusion of a Sol-Powder Mixture. <i>Journal of Intelligent Material Systems and Structures</i> , 2004, 15, 643-653.	2.5	26
81	An improved delamination fatigue cohesive interface model for complex three-dimensional multi-interface cases. <i>Composites Part A: Applied Science and Manufacturing</i> , 2018, 107, 633-646.	7.6	26
82	Vibration Control of a Cylindrical Shell Using Piezoelectric Actuators. <i>Journal of Intelligent Material Systems and Structures</i> , 1995, 6, 380-388.	2.5	25
83	Synthesis and crystallographic study of Pb-Sr hydroxyapatite solid solutions by high temperature mixing method under hydrothermal conditions. <i>Materials Research Bulletin</i> , 2009, 44, 1392-1396.	5.2	25
84	Effect of ZnO on the microstructure and electrical properties of (K _{0.5} Na _{0.5})NbO ₃ lead-free piezoelectric ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2012, 23, 1083-1086.	2.2	25
85	Low-temperature solid-state synthesis and optical properties of ZnO/CdS nanocomposites. <i>Journal of Alloys and Compounds</i> , 2015, 618, 67-72.	5.5	25
86	Reconstruction of the nine stiffness coefficients of composites using a laser generation based imaging method. <i>Composites Science and Technology</i> , 2016, 126, 27-34.	7.8	25
87	Semi-active vibration control based on unsymmetrical synchronized switch damping: Analysis and experimental validation of control performance. <i>Journal of Sound and Vibration</i> , 2016, 370, 1-22.	3.9	25
88	Magnetic force control with composite of giant magnetostrictive and piezoelectric materials. <i>IEEE Transactions on Magnetics</i> , 2003, 39, 3534-3540.	2.1	24
89	A new simple asymmetric hysteresis operator and its application to inverse control of piezoelectric actuators. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2008, 55, 1086-1094.	3.0	24
90	Semi-active vibration control using piezoelectric actuators in smart structures. <i>Frontiers of Mechanical Engineering in China</i> , 2009, 4, 242.	0.4	24

#	ARTICLE	IF	CITATIONS
91	Phase transition, microstructure, and dielectric properties of Li/Ta/Sb co-doped (K, Na)NbO ₃ lead-free ceramics. <i>Ceramics International</i> , 2014, 40, 4389-4394.	4.8	24
92	Dielectric and energy storage performances of PVDF-based composites with colossal permittivity Nd-doped BaTiO ₃ nanoparticles as the filler. <i>AIP Advances</i> , 2017, 7, .	1.3	24
93	Modeling and Characterization of Piezoelectric Fibers with Metal Core. <i>Japanese Journal of Applied Physics</i> , 2005, 44, 6156-6163.	1.5	23
94	Synthesis of (K, Na)NbO ₃ particles by high temperature mixing method under hydrothermal conditions. <i>Materials Letters</i> , 2010, 64, 77-79.	2.6	22
95	Active control of sound transmission through a stiffened panel using a hybrid control strategy. <i>Journal of Intelligent Material Systems and Structures</i> , 2012, 23, 791-803.	2.5	22
96	Design methodology of a frequency up-converting energy harvester based on dual-cantilever and pendulum structures. <i>AIP Advances</i> , 2019, 9, .	1.3	22
97	Simultaneous optimization of a two-link flexible robot arm. <i>Journal of Field Robotics</i> , 2001, 18, 29-38.	0.7	21
98	Fabrication of piezoelectric fibers with metal core. , 2003, 5053, 475.		21
99	Effects of Sb-doping on the formation of (K, Na)(Nb, Sb)O ₃ solid solution under hydrothermal conditions. <i>Journal of Alloys and Compounds</i> , 2010, 493, 186-191.	5.5	21
100	Adaptive synchronized switch harvesting: A new piezoelectric energy harvesting scheme for wideband vibrations. <i>Sensors and Actuators A: Physical</i> , 2015, 226, 21-36.	4.1	21
101	Copper Phthalocyanine Oligomer Noncovalent Functionalized Graphene-Polyurethane Dielectric Elastomer Composites for Flexible Micro-Actuator. <i>Soft Materials</i> , 2015, 13, 210-218.	1.7	21
102	A novel method for fatigue delamination simulation in composite laminates. <i>Composites Science and Technology</i> , 2016, 128, 104-115.	7.8	21
103	High breakdown strength and outstanding piezoelectric performance in flexible PVDF based percolative nanocomposites through the synergistic effect of topological-structure and composition modulations. <i>Composites Part A: Applied Science and Manufacturing</i> , 2018, 114, 13-20.	7.6	21
104	Flexible polyvinylidene fluoride based nanocomposites with high and stable piezoelectric performance over a wide temperature range utilizing the strong multi-interface effect. <i>Composites Science and Technology</i> , 2019, 174, 33-41.	7.8	21
105	Achieving superior energy density in ferroelectric P(VDF-HFP) through the employment of dopamine-modified MOFs. <i>Composites Science and Technology</i> , 2021, 201, 108520.	7.8	21
106	Buckling and Postbuckling Characteristics of the Superelastic SMA Columns – Numerical Simulation. <i>Journal of Intelligent Material Systems and Structures</i> , 2005, 16, 691-702.	2.5	20
107	Simultaneous optimal design of structural topology, actuator locations and control parameters for a plate structure. <i>Computational Mechanics</i> , 2002, 29, 89-97.	4.0	19
108	Crystallographic study of lead-substituted hydroxyapatite synthesized by high-temperature mixing method under hydrothermal conditions. <i>Inorganica Chimica Acta</i> , 2010, 363, 1785-1790.	2.4	19

#	ARTICLE	IF	CITATIONS
109	Study on the sintering mechanism of KNN-based lead-free piezoelectric ceramics. <i>Journal of Materials Science</i> , 2011, 46, 2345-2349.	3.7	19
110	Effect of CuO on dielectric and piezoelectric properties of $(K_{0.4425}Na_{0.52}Li_{0.0375})(Nb_{0.87}Ta_{0.06}Sb_{0.07})O_3$ ceramics. <i>Journal of Alloys and Compounds</i> , 2012, 515, 128-133.	5.5	19
111	A hybrid model of Prandtl-Ishlinskii operator and neural network for hysteresis compensation in piezoelectric actuators. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2013, 41, 335-347.	0.6	19
112	Damage Evaluation Based on a Wave Energy Flow Map Using Multiple PZT Sensors. <i>Sensors</i> , 2014, 14, 1902-1917.	3.8	19
113	Fabrication of BaTiO ₃ nanoparticles and its formation mechanism using the high temperature mixing method under hydrothermal conditions. <i>Advanced Powder Technology</i> , 2014, 25, 853-858.	4.1	19
114	The Application of Piezoelectric Materials in Smart Structures in China. <i>International Journal of Aeronautical and Space Sciences</i> , 2010, 11, 266-284.	2.0	19
115	Influence of sintering temperature on piezoelectric properties of $(K_{0.4425}Na_{0.52}Li_{0.0375})(Nb_{0.8925}Sb_{0.07}Ta_{0.0375})O_3$ lead-free piezoelectric ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2011, 22, 1783-1787.	2.2	18
116	Numerical analysis of correlation between fibre orientation and eddy current testing signals of carbon-fibre reinforced polymer composites. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2012, 39, 251-259.	0.6	18
117	Low-temperature sintering and enhanced dielectric properties of alkali niobate ceramics prepared from solvothermally synthesized nanopowders. <i>Ceramics International</i> , 2017, 43, 1135-1144.	4.8	18
118	Improved tribological properties of polyimide composites by micro-nano reinforcement. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47900.	2.6	18
119	Property of Lead Zirconate Titanate Actuator Manufactured with Microwave Sintering Process. <i>Japanese Journal of Applied Physics</i> , 2001, 40, 724-727.	1.5	17
120	Effect of washing of barium titanate powders synthesized by hydrothermal method on their sinterability and piezoelectric properties. <i>Ceramics International</i> , 2009, 35, 1947-1951.	4.8	17
121	Effect of temperature on the crystalline phase and dielectric and ferroelectric properties of poly(vinylidene fluoride) film. <i>Journal of Intelligent Material Systems and Structures</i> , 2014, 25, 858-864.	2.5	17
122	Enhanced transfer efficiency of ultrasonic motors with polyimide based frictional materials and surface texture. <i>Sensors and Actuators A: Physical</i> , 2019, 295, 671-677.	4.1	17
123	Simultaneously realizing ultra-high energy density and discharge efficiency in PVDF composites loaded with highly aligned hollow MnO ₂ microspheres. <i>Composites Part A: Applied Science and Manufacturing</i> , 2020, 132, 105820.	7.6	17
124	The constitutive equations of half coated metal core piezoelectric fiber. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2009, 29, 47-64.	0.6	16
125	Isopropanol-assisted hydrothermal synthesis of (K, Na)NbO ₃ piezoelectric ceramic powders. <i>Journal of Materials Science</i> , 2010, 45, 3311-3317.	3.7	16
126	Microstructure, temperature stability and electrical properties of ZnO-modified $Pb(Ni_{1/3}Nb_{2/3})O_3 \text{--} Pb(Fe_{1/2}Nb_{1/2})O_3 \text{--} Pb(Zr_{0.3}Ti_{0.7})O_3$ piezoelectric ceramics. <i>Ceramics International</i> , 2013, 39, 9385-9390.	4.8	16

#	ARTICLE	IF	CITATIONS
127	Rod-like NaNbO_3 : mechanisms for stable solvothermal synthesis, temperature-mediated phase transitions and morphological evolution. <i>RSC Advances</i> , 2014, 4, 15104-15110.	3.6	16
128	A metastable cubic phase of sodium niobate nanoparticles stabilized by chemically bonded solvent molecules. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 33171-33179.	2.8	16
129	Comparative study of tribological properties of insulated and conductive polyimide composites. <i>Friction</i> , 2020, 8, 507-516.	6.4	16
130	TwlST sparse regularization method using cubic B-spline dual scaling functions for impact force identification. <i>Mechanical Systems and Signal Processing</i> , 2022, 167, 108451.	8.0	16
131	Fabrication of piezoelectric ceramic fibers by extrusion of $\text{Pb}(\text{Zr}, \text{Ti})\text{O}_3$ powder and $\text{Pb}(\text{Zr}, \text{Ti})\text{O}_3$ sol mixture. <i>Smart Materials and Structures</i> , 2003, 12, 331-337.	3.5	15
132	Modelling the lateral resonance mode of piezoelectric fibres with metal core. <i>Journal Physics D: Applied Physics</i> , 2005, 38, 3733-3740.	2.8	15
133	Metal core piezoelectric ceramic fiber rosettes for acousto-ultrasonic source localization in plate structures. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2010, 33, 865-873.	0.6	15
134	RESPONSE OF METAL CORE PIEZOELECTRIC FIBERS TO UNSTEADY AIRFLOWS. <i>Modern Physics Letters B</i> , 2010, 24, 1453-1456.	1.9	15
135	Analysis of energy conversion in two-mode vibration control using synchronized switch damping approach. <i>Journal of Sound and Vibration</i> , 2011, 330, 3539-3560.	3.9	15
136	Enhanced electrical properties of multiwalled carbon nanotube/poly(vinylidene fluoride) films through a rolling process. <i>Journal of Materials Science: Materials in Electronics</i> , 2014, 25, 2126-2137.	2.2	15
137	The effect of drilling-induced delamination on tensile strength and prediction of residual strength of carbon fiber-reinforced polymer laminate. <i>Journal of Composite Materials</i> , 2016, 50, 3373-3384.	2.4	15
138	Sol-gel synthesis, characterization and microwave absorbing properties of nano sized spherical particles of $\text{La}_{0.8}\text{Sr}_{0.2}\text{Mn}_{0.8}\text{Fe}_{0.2}\text{O}_3$. <i>Materials Research Bulletin</i> , 2012, 47, 1961-1967.	5.2	14
139	Sol-hydrothermal synthesis and characterization of lead zirconate titanate fine particles. <i>Advanced Powder Technology</i> , 2013, 24, 212-217.	4.1	14
140	Investigation of phase diagram and electrical properties of $x\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3-(1-x)\text{Pb}(\text{Zr}_{0.4}\text{Ti}_{0.6})\text{O}_3$ ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2014, 25, 3003-3009.	2.2	14
141	Detection of delamination in laminated CFRP composites using eddy current testing: Simulation and experimental study. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2018, 57, 177-192.	0.6	14
142	Application of neural network to model stiffness degradation for composite laminates under cyclic loadings. <i>Composites Science and Technology</i> , 2021, 203, 108573.	7.8	14
143	Simultaneous Optimization of Structure and Control for Vibration Suppression. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 1999, 121, 237-243.	1.6	13
144	Tracking control of piezoelectric actuator system using inverse hysteresis model. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2010, 33, 1555-1564.	0.6	13

#	ARTICLE	IF	CITATIONS
145	Semi-active vibration suppression by a novel synchronized switch circuit with negative capacitance. International Journal of Applied Electromagnetics and Mechanics, 2011, 37, 291-308.	0.6	13
146	Tantalum influence on electrical properties of lead-free (K _{0.4425} Na _{0.52} Li _{0.0375})(Nb _{0.93} x Ta x Sb _{0.07})O ₃ piezoelectric ceramics. Journal of Materials Science: Materials in Electronics, 2012, 23, 846-850.	2.2	13
147	Improved sintering activity and piezoelectric properties of PZT ceramics from hydrothermally synthesized powders with Pb excess. Journal of Materials Science: Materials in Electronics, 2016, 27, 8573-8579.	2.2	13
148	Effects of surfactant and reaction time on the formation and photocatalytic performance of Cu ₂ S thin films grown in situ on Cu foil by hydrothermal method. Journal of Alloys and Compounds, 2016, 685, 266-271.	5.5	13
149	Resistive loss considerations in the finite element analysis of eddy current attenuation in anisotropic conductive composites. NDT and E International, 2021, 119, 102403.	3.7	13
150	Improvement mechanism of energy conversion efficiency in ultrasonic motor with flexible rotor. Ultrasonics, 2022, 120, 106659.	3.9	13
151	Self-sensing High Speed Controller for Piezoelectric Actuator. Journal of Intelligent Material Systems and Structures, 2008, 19, 395-405.	2.5	12
152	Phase evolution of (K, Na)NbO ₃ powder prepared by high temperature mixing under hydrothermal conditions. Particuology, 2010, 8, 477-481.	3.6	12
153	Analysis of energy conversion in switched-voltage control with arbitrary switching frequency. Sensors and Actuators A: Physical, 2012, 174, 162-172.	4.1	12
154	Four vectors of Lamb waves in composites: Semianalysis and numerical simulation. Journal of Intelligent Material Systems and Structures, 2013, 24, 1985-1994.	2.5	12
155	One-Step Surfactant-Free Hydrothermal Synthesis of Platelike Sodium Niobate Template Powders. Journal of the American Ceramic Society, 2014, 97, 3360-3362.	3.8	12
156	Smart Skin and Actuators for Morphing Structures. Procedia IUTAM, 2014, 10, 427-441.	1.2	12
157	Microwave-assisted sol-gel hydrothermal synthesis of tetragonal barium titanate nanoparticles with hollow morphologies. Journal of Materials Science: Materials in Electronics, 2015, 26, 1597-1601.	2.2	12
158	Insight into influence of conducting polymer functionalized graphene on electromechanical activity of polyurethane-based intelligent shape-changing composites. Journal of Materials Science: Materials in Electronics, 2015, 26, 3730-3738.	2.2	12
159	Effect of surface roughness and reciprocating time on the tribological properties of the polyimide composites. Polymer Engineering and Science, 2019, 59, 483-489.	3.1	12
160	A new design of unsymmetrical shunt circuit with negative capacitance for enhanced vibration control. Mechanical Systems and Signal Processing, 2021, 155, 107576.	8.0	12
161	Phase Transformation of Ni ₂ MnGa Made by the Spark Plasma Sintering Method. Materials Transactions, JIM, 1999, 40, 389-391.	0.9	11
162	High-speed response of SMA actuators. International Journal of Applied Electromagnetics and Mechanics, 2001, 12, 87-100.	0.6	11

#	ARTICLE	IF	CITATIONS
163	Fabrication of High-Performance Lead Zirconate Titanate Actuators Using the Microwave and Hot-Press Hybrid Sintering Processes. Japanese Journal of Applied Physics, 2001, 40, 4611-4614.	1.5	11
164	Electromechanical characterization of 0.55Pb(Ni ¹⁺ •3Nb ²⁺ •3)O ₃ •0.45Pb(Zr _{0.3} Ti _{0.7})O ₃ fibers with Pt core. Journal of Applied Physics, 2006, 100, 054106.	2.5	11
165	An Improved System of Active Noise Isolation Using a Self-sensing Actuator and Neural Network. JVC/Journal of Vibration and Control, 2009, 15, 1853-1873.	2.6	11
166	Control design for arbitrary complex nonlinear discrete-time systems based on direct NNMRAC strategy. Journal of Process Control, 2011, 21, 103-110.	3.3	11
167	Preparation and optical properties of high-quality oriented of Al and Er co-doped ZnO thin films. Journal of Sol-Gel Science and Technology, 2012, 63, 95-102.	2.4	11
168	Lead-free (K, Na)NbO ₃ thin films derived from chemical solution deposition modified with EDTA. Journal of Materials Science: Materials in Electronics, 2014, 25, 1112-1116.	2.2	11
169	MWCNTs-TiO ₂ core-shell nanoassemblies for fabrication of poly(vinylidene fluoride) based composites with high breakdown strength and discharged energy density. Journal of Polymer Research, 2016, 23, 1.	2.4	11
170	Semi-active vibration control based on unsymmetrical synchronized switching damping: Circuit design. Journal of Intelligent Material Systems and Structures, 2016, 27, 1106-1120.	2.5	11
171	Effect of rolling temperature on the microstructure and electric properties of β -polyvinylidene fluoride films. Journal of Materials Science: Materials in Electronics, 2018, 29, 15957-15965.	2.2	11
172	A Circular Eccentric Vibration Absorber With Circumferentially Graded Acoustic Black Hole Features. Journal of Vibration and Acoustics, Transactions of the ASME, 2022, 144, .	1.6	11
173	Damping Effect of Multi-Layer Beams with Embedded Electro-Rheological Fluid. Journal of Intelligent Material Systems and Structures, 1999, 10, 521-529.	2.5	10
174	A semi-passive vibration damping system powered by harvested energy. International Journal of Applied Electromagnetics and Mechanics, 2009, 31, 219-233.	0.6	10
175	Effects of the Calcining Temperature on the Piezoelectric and Dielectric Properties of 0.55PNN-0.45PZT Ceramics. Ferroelectrics, 2011, 425, 90-97.	0.6	10
176	Influence of sintering temperature on microstructure and electric properties of CuO doped alkaline niobate-based lead-free ceramics. Journal of Materials Science: Materials in Electronics, 2012, 23, 1455-1461.	2.2	10
177	Influence of sintering temperature on electrical properties of (K _{0.4425} Na _{0.52} Li _{0.0375})(Nb _{0.8825} Sb _{0.07} Ta _{0.0475})O ₃ ceramics without phase transition induced by sintering temperature. Journal of Advanced Ceramics, 2013, 2, 353-359.	17.4	10
178	The synergism of peak to peak value, frequency and superimposed DC bias voltage on electric-field-induced strain of PZT based-macro fiber composites. Ceramics International, 2019, 45, 22067-22077.	4.8	10
179	Semi-active piezoelectric structural damping adjustment and enhancement by synchronized switching on energy injection technique. Journal of Sound and Vibration, 2022, 527, 116866.	3.9	10
180	Morphotropic Phase Boundary of Sodium•Potassium Niobate Lead•Free Piezoelectric Ceramics. Journal of the American Ceramic Society, 2011, 94, 796-801.	3.8	9

#	ARTICLE	IF	CITATIONS
181	Fabrication of 0.655Pb(Mg _{1/3} Nb _{2/3})O ₃ -0.345PbTiO ₃ functionally graded piezoelectric actuator by tape-casting. <i>Journal of Electroceramics</i> , 2011, 27, 197-202.	2.0	9
182	Effects of Sb content on electrical properties of lead-free piezoelectric (K _{0.4425} Na _{0.52} Li _{0.0375})(Nb _{0.9625} xSbxTa _{0.0375})O ₃ ceramics. <i>Ceramics International</i> , 2012, 38, 1249-1254.	4.8	9
183	Sol-gel processing and characterization of potassium niobate nano-powders by an EDTA/citrate complexing method. <i>Solid State Sciences</i> , 2012, 14, 655-660.	3.2	9
184	Modeling hysteresis and creep behavior of macrofiber composite-based piezoelectric bimorph actuator. <i>Journal of Intelligent Material Systems and Structures</i> , 2013, 24, 369-377.	2.5	9
185	Comparative investigations on dielectric, piezoelectric properties and humidity resistance of PZT-SKN and PZT-SNN ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 2897-2904.	2.2	9
186	An imaging method for impact localization using metal-core piezoelectric fiber rosettes. <i>Journal of Intelligent Material Systems and Structures</i> , 2015, 26, 2205-2215.	2.5	9
187	Effects of annealing temperature on structure and electrical properties of (Na, K)NbO ₃ thin films grown by RF magnetron sputtering deposition. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 899-905.	2.2	9
188	Superharmonic vibration and its reduction in SSD control by increase of voltage inversion time. <i>Smart Materials and Structures</i> , 2018, 27, 085007.	3.5	9
189	Hysteresis modeling and tracking control for piezoelectric stack actuators using neural-Preisach model. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2019, 61, 445-459.	0.6	9
190	Vibration Suppression of a Cylindrical Shell Using a Hybrid Control Method. <i>Journal of Intelligent Material Systems and Structures</i> , 1996, 7, 278-287.	2.5	8
191	<title>High-speed actuation of shape memory alloy</title>. , 2001, , .		8
192	Properties of Lead Zirconate Titanate Ceramics Determined Using Microwave and Hot-Press Hybrid Sintering Process. <i>Japanese Journal of Applied Physics</i> , 2001, 40, 5642-5646.	1.5	8
193	Buckling of Shape Memory Alloy Columns. <i>JSME International Journal Series A-Solid Mechanics and Material Engineering</i> , 2003, 46, 60-67.	0.4	8
194	Semi-active vibration control of an aircraft panel using synchronized switch damping method. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2014, 46, 879-893.	0.6	8
195	Damage localization using warped frequency transform in active structural health monitoring. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2015, 47, 897-909.	0.6	8
196	Enhanced dielectric tunability of Ba _x Sr _{1-x} TiO ₃ -MgO composite ceramics co-modified with CuO and MnO ₂ . <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 2107-2112.	2.2	8
197	Decentralized active control of turbulent boundary induced noise and vibration: a numerical investigation. <i>JVC/Journal of Vibration and Control</i> , 2016, 22, 3821-3839.	2.6	8
198	Damage detection based on sparse virtual element boundary measurement using metal-core piezoelectric fiber. <i>Structural Health Monitoring</i> , 2018, 17, 15-23.	7.5	8

#	ARTICLE	IF	CITATIONS
199	Semi-active vibration control based on synchronously switched piezoelectric actuators. International Journal of Applied Electromagnetics and Mechanics, 2019, 59, 299-307.	0.6	8
200	A local specific stiffness identification method based on a multi-scale "weak" formulation. Mechanical Systems and Signal Processing, 2020, 140, 106650.	8.0	8
201	Improving the performance of ultrasonic motors in low-pressure, variable-temperature environments. Tribology International, 2021, 160, 107000.	5.9	8
202	Self-powered semi-passive vibration damping system based on the self-sensing approach. Journal of Sound and Vibration, 2021, 512, 116371.	3.9	8
203	Buckling and postbuckling behavior of solid superelastic shape memory alloy shafts. Structural Engineering and Mechanics, 2006, 23, 339-352.	1.0	8
204	Compressive Properties of Ni ₂ MnGa Produced by Spark Plasma Sintering. Materials Transactions, JIM, 1999, 40, 863-866.	0.9	7
205	Implementation of multi-grid approach in domain-free discretization method to speed up convergence. Computer Methods in Applied Mechanics and Engineering, 2003, 192, 2425-2438.	6.6	7
206	Property of Composite Ceramics Composed of Single Crystals and Ceramic Matrix Using Hybrid Sintering. Japanese Journal of Applied Physics, 2003, 42, 6055-6058.	1.5	7
207	Hydrothermal Synthesis and Crystallographic Study of Sr-Pb Hydroxyapatite Solid Solutions. Journal of the Ceramic Society of Japan, 2007, 115, 873-876.	1.1	7
208	Synthesis and characterization of 0.65Pb(Mg _{1/3} Nb _{2/3})O ₃ " 0.35PbTiO ₃ fibers with Pt core. Materials Research Bulletin, 2008, 43, 493-501.	5.2	7
209	Dynamic admittance matrix of metal core piezoelectric fiber. International Journal of Applied Electromagnetics and Mechanics, 2011, 35, 189-200.	0.6	7
210	Influence of Zr/Ti atomic ratio and seed layer on the magnetoelectric coupling of Pb(Zr _x Ti _{1-x})O ₃ film-on-CoFe ₂ O ₄ bulk ceramic composites. Ceramics International, 2016, 42, 14431-14437.	4.8	7
211	On the energy release rate extraction and mixed mode behavior of fatigue cohesive model. Composite Structures, 2020, 239, 112038.	5.8	7
212	Magnetic circuit design method for magnetic force control systems using inverse magnetostrictive effect: Examination of energy conversion efficiency depending on η_E effect. Electrical Engineering in Japan (English Translation of Denki Gakkai Ronbunshi), 2002, 140, 8-15.	0.4	6
213	Fabrication of a lead-free BNT piezoelectric material using a hybrid sintering process. International Journal of Applied Electromagnetics and Mechanics, 2005, 21, 171-181.	0.6	6
214	Magnetoelectric voltage coefficients of magnetoelectric composites. Transactions of Nonferrous Metals Society of China, 2006, 16, s20-s24.	4.2	6
215	Coprecipitation-assisted hydrothermal synthesis of PLZT hollow nanospheres. Materials Research Bulletin, 2010, 45, 969-973.	5.2	6
216	Low Temperature Sintering and Properties of (K _{0.5} Na _{0.5})NbO ₃ Piezoelectric Ceramics. Japanese Journal of Applied Physics, 2011, 50, 110203.	1.5	6

#	ARTICLE	IF	CITATIONS
217	Characterization and synthesis of $\text{KTa}_{0.1}\text{Nb}_{0.9}\text{O}_3$ particles via high temperature mixing method under hydrothermal conditions. <i>Advanced Powder Technology</i> , 2012, 23, 558-561.	4.1	6
218	Coupling analysis of energy conversion in multi-mode vibration structural control using a synchronized switch damping method. <i>Smart Materials and Structures</i> , 2012, 21, 015013.	3.5	6
219	Preparation and dielectric properties of a polyurethane elastomer filled with resol-derived ordered mesoporous carbon. <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 2013-2018.	2.2	6
220	Phase transition behavior and temperature-stable piezoelectric properties of new quaternary $(\text{K}, \text{Tl})\text{ETQqO}_0\text{O}_0\text{rgBT}/\text{Overlock}_{10}\text{Tf}50$	4.8	6
221	Impact identification using a passive imaging method. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2014, 46, 835-844.	0.6	6
222	Solvothermal Synthesis and Formation Mechanism of Potassium Sodium Niobate Mesocrystals Under Low Alkaline Conditions. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 4934-4940.	0.9	6
223	Active control of sound transmission using a hybrid/blind decentralized control approach. <i>JVC/Journal of Vibration and Control</i> , 2015, 21, 2661-2684.	2.6	6
224	Reciprocating friction and wear of polyimide composites filled with solid lubricants. <i>Journal of Polymer Engineering</i> , 2018, 38, 363-370.	1.4	6
225	Effect of the orientation on the ferroelectricity, dielectricity and magnetoelectric coupling in the bilayered $\text{Pb}(\text{Zr}_{0.52}\text{Ti}_{0.48})\text{O}_3$ film-on- CoFe_2O_4 bulk ceramic composites. <i>Journal of Alloys and Compounds</i> , 2018, 762, 574-578.	5.5	6
226	Numerical analysis on shape memory alloy-based adaptive shock control bump. <i>Journal of Intelligent Material Systems and Structures</i> , 2018, 29, 3055-3066.	2.5	6
227	Poly(acrylonitrile butadiene styrene)/poly(vinylidene fluoride) binary blends films with superior breakdown strength and discharge efficiency. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 17230-17240.	2.2	6
228	Optimization of profile and damping layer of plates embedded with acoustic black hole indentations for broadband energy dissipation. <i>Journal of Intelligent Material Systems and Structures</i> , 2022, 33, 1947-1959.	2.5	6
229	A New Wall Motion Actuator Using Magnetic Fluid and Elastic Membrane for Laminar Flow Control. <i>Journal of Intelligent Material Systems and Structures</i> , 1999, 10, 149-154.	2.5	5
230	Vibration Control of a Steering Wheel Using Piezoelectric Actuators. <i>Journal of Intelligent Material Systems and Structures</i> , 1999, 10, 92-99.	2.5	5
231	ROBUST CONTROL OF VORTEX-INDUCED VIBRATION OF A RIGID CYLINDER SUPPORTED BY AN ELASTIC BEAM USING $\hat{1}/4$ -SYNTHESIS. <i>Journal of Fluids and Structures</i> , 1999, 13, 865-875.	3.4	5
232	Fabrication of PZT Piezoelectric Ceramic Sheets by Doctor Blade.. <i>Funtai Oyobi Fummatu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy</i> , 2000, 47, 674-680.	0.2	5
233	Suppression of Noise Radiation from a Plate Using Self-Sensing Actuators. <i>Journal of Intelligent Material Systems and Structures</i> , 2005, 16, 963-970.	2.5	5
234	Interfacial stiffness dependence of the effective magnetostriction of particulate magnetostrictive composites. <i>International Journal of Solids and Structures</i> , 2007, 44, 18-33.	2.7	5

#	ARTICLE	IF	CITATIONS
235	FABRICATION AND PERFORMANCE OF HIGH TEMPERATURE STYLE FUNCTIONALLY GRADED PIEZOELECTRIC BENDING ACTUATORS. <i>Modern Physics Letters B</i> , 2009, 23, 433-436.	1.9	5
236	Linear electro-optic properties of orthorhombic PZN-8%PT single crystal. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2011, 58, 1118-1121.	3.0	5
237	Energy conversion and performance of switched-voltage control based on negative capacitance with arbitrary switching frequency. <i>Smart Materials and Structures</i> , 2012, 21, 125010.	3.5	5
238	Temperature stability and fabrication of $\text{Pb}(\text{Zn}_{1/3}\text{Nb}_{2/3})\text{O}_3/\text{Pb}(\text{Zr,Ti})\text{O}_3$ fibers with Pt core. <i>Journal of Intelligent Material Systems and Structures</i> , 2012, 23, 1735-1740.	2.5	5
239	Exploiting the instability of smart structure for reconfiguration. <i>Applied Physics Letters</i> , 2017, 111, 064102.	3.3	5
240	The effect of LaNiO_3 thickness on the magnetoelectric response of $\text{Pb}(\text{Zr}_{0.52}\text{Ti}_{0.48})\text{O}_3$ film-on- CoFe_2O_4 ceramic composites. <i>Journal of Materials Science</i> , 2017, 52, 541-549.	3.7	5
241	A charge controlled driving power supply for hysteresis compensation of piezoelectric stack actuators. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2019, 59, 281-290.	0.6	5
242	A broadband sound-absorbing panel based on the coiled coplanar absorber with multiple absorption peaks. <i>Physica Scripta</i> , 2021, 96, 085008.	2.5	5
243	Fatigue property evaluation for fiber reinforced plastics based on mode conversion effect of guided wave. <i>Composites Science and Technology</i> , 2022, 223, 109405.	7.8	5
244	Simultaneous Optimization of a Flexible Robot Arm.. <i>JSME International Journal Series C-Mechanical Systems Machine Elements and Manufacturing</i> , 2000, 43, 32-37.	0.3	4
245	Fabrication of Ceramic Composite Composed of Single Crystals and Ceramic Matrix using a Hybrid Sintering. <i>Japanese Journal of Applied Physics</i> , 2003, 42, 7436-7439.	1.5	4
246	Application of a negative capacitance circuit in synchronized switch damping techniques for vibration suppression. , 2010, , .		4
247	Ferroelectric and Piezoelectric Properties of $\text{Pb}(\text{Ni}_{1/3}\text{Nb}_{2/3})_{0.5}(\text{Ti}_{0.7}\text{Zr}_{0.3})_{0.5}\text{O}_3$ Ceramics Fabricated by Tape-Casting Process. <i>Ferroelectrics</i> , 2010, 396, 90-97.		
248	Synthesis of $(\text{K,Na})\text{NbO}_3$ particles by traditional hydrothermal method and high-temperature mixing method under hydrothermal/solvothermal conditions. <i>Research on Chemical Intermediates</i> , 2011, 37, 185-193.	2.7	4
249	Synthesis and photoluminescence properties of single-crystal ZnO hexagonal pyramids by PEG400-assisted thermal decomposition route. <i>Transactions of Nonferrous Metals Society of China</i> , 2012, 22, 2459-2464.	4.2	4
250	Sol-solvothermal synthesis and characterization of fine lead zirconate titanate particles. <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 2264-2270.	2.2	4
251	Microstructure and piezoelectric properties of $\text{K}_{5.70}\text{Li}_{4.07}\text{Nb}_{10.23}\text{O}_{30}$ -added $\text{K}_{0.5}\text{Na}_{0.5}\text{NbO}_3$ ceramics. <i>Journal of Advanced Ceramics</i> , 2014, 3, 147-154.	17.4	4
252	Solvothermal synthesis of BaTiO_3 nanoparticles from $\text{K}_2\text{Ti}_6\text{O}_{13}$ precursors. <i>Research on Chemical Intermediates</i> , 2015, 41, 4851-4859.	2.7	4

#	ARTICLE	IF	CITATIONS
253	High precision ultrasonic guided wave technique for inspection of power transmission line. Chinese Journal of Mechanical Engineering (English Edition), 2017, 30, 170-179.	3.7	4
254	Damage visualization using laser-generated residual guided waves with optimization of laser scanning path. Mechanical Systems and Signal Processing, 2022, 166, 108463.	8.0	4
255	Effect of Grinding Stress on the Phase Transformation of Ni _{2+x} Mn _{1-x} Ga Powder. Materials Transactions, JIM, 1999, 40, 290-293.	0.9	3
256	Effects of Microwave and Hot-Press Hybrid Sintering on Microstructure and Piezoelectric Properties of 0.24Pb(Zn _{1/3} Nb _{2/3})O ₃ -0.384PbZrO ₃ -0.376PbTiO ₃ Ceramics. Japanese Journal of Applied Physics, 2002, 41, 7089-7094.	1.5	3
257	Device of magnetostrictive and piezoelectric materials for magnetic force control. Journal of Magnetism and Magnetic Materials, 2003, 258-259, 490-492.	2.3	3
258	Active Noise Isolation of a Plate Structure Without Using Acoustic Sensors. Journal of Intelligent Material Systems and Structures, 2008, 19, 325-332.	2.5	3
259	The influence of switching phase and frequency of voltage on the vibration damping effect in a piezoelectric actuator. Smart Materials and Structures, 2011, 20, 015008.	3.5	3
260	Modeling and numerical analysis of a three-dimensional shape memory alloy shell structure. , 2012, , .		3
261	Low-Temperature Sintering of (K _{0.5} Na _{0.5})NbO ₃ Piezoelectric Ceramics. Journal of Inorganic and Organometallic Polymers and Materials, 2013, 23, 463-466.	3.7	3
262	Origin of the low piezoelectric coefficient of metal core 0.3Pb(Zn _{1/3} Nb _{2/3})O ₃ -0.7Pb(Zr,Ti)O ₃ piezoelectric fibers. Journal of Alloys and Compounds, 2013, 581, 468-471.	5.5	3
263	Adaptive control with hysteresis compensation for piezoelectric actuators. International Journal of Applied Electromagnetics and Mechanics, 2016, 52, 843-850.	0.6	3
264	Effects of Mn doping on dielectric and ferroelectric characteristics of lead-free (K, Na, Li)NbO ₃ thin films grown by chemical solution deposition. Journal of Materials Science: Materials in Electronics, 2017, 28, 487-492.	2.2	3
265	Piezoelectric Spring Pendulum Oscillator for Animal/Human Motion Energy Harvesting. , 2018, , .		3
266	Effects of annealing process and the additive on the electrical properties of chemical solution deposition derived 0.65Pb(Mg _{1/3} Nb _{2/3})O ₃ -0.35PbTiO ₃ thin films. Journal of Materials Science: Materials in Electronics, 2018, 29, 16997-17002.	2.2	3
267	Semi-active vibration control of large-scale flexible structure based on fuzzy adaptive SSDV technique. International Journal of Applied Electromagnetics and Mechanics, 2020, 64, 1199-1206.	0.6	3
268	Failure probability prediction of delamination under cyclic loading in composite laminates using cohesive interface elements. Engineering Fracture Mechanics, 2021, 258, 108064.	4.3	3
269	Low Temperature Sintering and Properties of (K _{0.5} Na _{0.5})NbO ₃ Piezoelectric Ceramics. Japanese Journal of Applied Physics, 2011, 50, 110203.	1.5	3
270	A method for regulating negative Poisson's ratio by a reentrant anti-tetrachiral structure. Mechanics of Advanced Materials and Structures, 2022, 29, 7399-7414.	2.6	3

#	ARTICLE	IF	CITATIONS
271	New Magnetic Force Control Method Using Giant Magnetostrictive Material.. Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 2000, 66, 1180-1185.	0.2	2
272	Simultaneous Structure-Control Optimization of a Steering Wheel for Vibration Suppression.. JSME International Journal Series C-Mechanical Systems Machine Elements and Manufacturing, 2002, 45, 127-135.	0.3	2
273	Fabrication of Lead-Free BNBT Piezoelectric Materials Using a Hybrid Sintering Process. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2005, 69, 676-679.	0.4	2
274	Research on applications of piezoelectric materials in smart structures. Frontiers of Mechanical Engineering in China, 2011, 6, 99.	0.4	2
275	Synthesis and Characterization of (K0.5Na0.5)NbO3Piezoelectric Ceramics Prepared Using K5.70Li4.07Nb10.23O30as a New Sintering Aid. Ferroelectrics, 2012, 432, 73-80.	0.6	2
276	Numerical analysis on thermo-mechanical behavior of shape memory alloy strip with two-way shape memory effect. Journal of Intelligent Material Systems and Structures, 2017, 28, 2298-2304.	2.5	2
277	Effect of Cr2O3 modification on dielectric, ferroelectric and field-induced strain properties of 0.18Pb(Mg1/3Nb2/3)O3â€“0.82Pb(Zr0.49Ti0.51)O3 ceramics. Journal of Materials Science: Materials in Electronics, 2018, 29, 3602-3610.	2.2	2
278	A New Wall Motion Actuator Using Magnetic Fluid and Elastic Membrane for Laminar Flow Control. Journal of Intelligent Material Systems and Structures, 1999, 10, 149-154.	2.5	2
279	PZT Powders Synthesized by Hydrothermal Method. Wujì Cailiao Xuebao/Journal of Inorganic Materials, 2012, 27, 507-512.	1.3	2
280	Preface for the Special Issue of ISEM 2019. International Journal of Applied Electromagnetics and Mechanics, 2020, 64, 1-1.	0.6	2
281	Single-ply elastic properties determination in CFRP laminates using a combined ultrasonic method. Journal of Intelligent Material Systems and Structures, 2022, 33, 2604-2615.	2.5	2
282	Intelligent Coil Drum with Electromagnetic Force Cancellation for MRI Equipment.. Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 1995, 61, 2412-2417.	0.2	1
283	Force Evaluation of Magnetic Force Control Element Using Giant Magnetostrictive Material.. Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 2000, 66, 2748-2755.	0.2	1
284	<title>Magneto-electric composite element and its application to magnetic levitation system</title>. , 2001, , .		1
285	Fabrication of piezoelectric ceramic fibers by extrusion of PZT powder and PZT sol mixture. , 2001, 4333, 314.		1
286	Advanced Fluid Information. Suppression of T-S Wave Using Wall Motion Actuator.. JSME International Journal Series B, 2002, 45, 29-34.	0.3	1
287	Fabrication of lead-free barium titanate piezoelectric ceramics from barium titanate powders with different particle sizes synthesized by hydrothermal method. International Journal of Applied Electromagnetics and Mechanics, 2009, 31, 9-16.	0.6	1
288	Semi-Active Vibration Control Based on Switched Piezoelectric Transducers. , 0, , .		1

#	ARTICLE	IF	CITATIONS
289	Synthesis and Characterization of $K(\text{Ta}_{1-x}\text{Nb}_x)\text{O}_3$ Particles by High Temperature Mixing Method Under Hydrothermal and Solvothermal Conditions. Journal of Nanoscience and Nanotechnology, 2013, 13, 1317-1322.	0.9	1
290	Novel NDT methods for composite materials in aerospace structures. International Journal of Applied Electromagnetics and Mechanics, 2016, 52, 25-33.	0.6	1
291	Evaluation of fatigue damage accumulation in composites via linear and nonlinear guided wave methods. AIP Conference Proceedings, 2016, , .	0.4	1
292	Self-powered semi-passive vibration damping system based on self-sensing approach. Proceedings of SPIE, 2016, , .	0.8	1
293	Sandwich-structured $\text{Co}_3[\text{Co}(\text{CN})_6]_2/\text{P}(\text{VDF-HFP})$ piezoelectric composites with superior electromechanical activity. Journal of Materials Science: Materials in Electronics, 2020, 31, 22028-22038.	2.2	1
294	Use of shape memory alloy for active shock control bump application. Journal of Intelligent Material Systems and Structures, 0, , 1045389X2110386.	2.5	1
295	Dynamic Characteristics of a Tilting-Pad Bearing System for High Expansion Ratio Expander. , 1994, , 909-916.		1
296	Vibration Control of a Steering Wheel Using Piezoelectric Actuators. Journal of Intelligent Material Systems and Structures, 1999, 10, 92-99.	2.5	1
297	305 Behavior of the short superelastic SMA columns under compressive loading-unloading cycles. The Proceedings of Conference of Tohoku Branch, 2000, 2000, 67-68.	0.0	1
298	Noise control with a smart board: a comparison between active and semi-passive approaches. Journal of Advanced Science, 2005, 17, 1-4.	0.1	1
299	Intelligent cylindrical shells without vibration. , 0, , .		0
300	<title>Smart cylindrical shells without vibration</title>. , 1995, , .		0
301	Smart composite cylindrical shells without vibration. , 1996, 2779, 670.		0
302	Simultaneous optimal design of a spring-supported beam for vibration control. , 1997, 3241, 260.		0
303	<title>Fabrication of high-performance PNN-PZT ceramic using microwave and hot-press hybrid sintering process</title>. , 2002, , .		0
304	Characteristics of magnetic force control device with magnetostrictive and piezoelectric laminate composite. , 2003, , .		0
305	ACTIVE CONTROL OF BOUNDARY LAYER USING A NEURAL NETWORK AND A FLAPPING ACTUATOR. Modern Physics Letters B, 2005, 19, 1587-1590.	1.9	0
306	Microstructure and electrical properties of $\text{NaNbO}_3\text{-BaTiO}_3$ lead-free piezoelectric ceramics. Frontiers of Mechanical Engineering in China, 2009, 4, 345.	0.4	0

#	ARTICLE	IF	CITATIONS
307	Lamb wave sensing with metal-core piezoelectric fiber for structural health monitoring. , 2010, , .		0
308	Metal-Core Piezoelectric Fibers for the Detection of Lamb Waves. , 2010, , .		0
309	Stiffened panel sound radiation attenuation using acceleration feedback and internal model control. , 2011, , .		0
310	Introduction to the special section for ACMFMS 2010. Frontiers of Mechanical Engineering, 2011, 6, 271.	4.3	0
311	Fabrication and characterization of relaxor-ferroelectric $0.55\text{Pb}(\text{Ni}_{1/3}\text{Nb}_{2/3})\text{O}_3-0.45\text{Pb}(\text{Zr}_{0.3}\text{Ti}_{0.7})\text{O}_3$ ceramics with sintering aid. , 2012, , .		0
312	Electrical properties and sensing ability of novel piezoelectric ceramic fibers with Pt core. Proceedings of SPIE, 2012, , .	0.8	0
313	Non-symmetrical semi-active vibration control based on synchronized switching damping. Proceedings of SPIE, 2014, , .	0.8	0
314	Multimode vibration damping as a result of piezoelectric energy harvesting. Proceedings of SPIE, 2015, , .	0.8	0
315	Damage detection based on sparse virtual element boundary measurement with enhanced noise immunity under weak formulation. , 2015, , .		0
316	Metal-core piezoelectric fiber-based smart layer for damage detection using sparse virtual element boundary measurement. , 2016, , .		0
317	A Lamb wave velocity degradation model for cross-ply laminates under fatigue loading. AIP Conference Proceedings, 2017, , .	0.4	0
318	Elucidating the effects of high temperature mixing method under hydrothermal condition (HTMM) on grain refinements and assembling structures. Powder Technology, 2017, 305, 440-446.	4.2	0
319	Enhancement of piezoelectric energy harvesting using ABH structural tailoring. , 2018, , .		0
320	Effects of the buffer layer on piezoelectric and ferroelectric properties of PMN-PT film-on-Ni foil composites. Journal of Materials Science: Materials in Electronics, 2020, 31, 677-683.	2.2	0
321	Influence of interference among parallel absorbers on acoustic characteristics of an absorbing panel. Review of Scientific Instruments, 2021, 92, 064901.	1.3	0
322	Magnetic Circuit Design Method for Magnetic Force Control Systems Using Inverse Magnetostrictive Effect. IEEJ Transactions on Fundamentals and Materials, 2001, 121, 771-777.	0.2	0
323	High-Performance PZT and PNN-PZT Actuators. Solid Mechanics and Its Applications, 2003, , 317-326.	0.2	0
324	Active control of noise transmission through a plate using embedded self-sensing piezoelectric actuators. Journal of Advanced Science, 2005, 17, 22-27.	0.1	0

#	ARTICLE	IF	CITATIONS
325	1D33 A Neural-Preisach Model for Hysteresis Control of Piezoelectric Actuators(The 12th) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 the Motion and Vibration Control, 2014, 2014.12, _1D33-1_-_1D33-10_.	0.0	0
326	Vibration attenuation band transition in plate with different placements of 2D acoustic black holes. The Proceedings of the International Conference on Motion and Vibration Control, 2020, 2020.15, 10029.	0.0	0
327	A dynamic criterion for failure probability prediction of GFRP laminates using Lamb wave velocity with improved accuracy and consistency. Composite Structures, 2022, 291, 115578.	5.8	0