

Jinhao Qiu

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305
papers

4,819
citations

35
h-index

51
g-index

329
ext. papers

5,747
ext. citations

3.4
avg, IF

5.87
L-index

#	Paper	IF	Citations
305	Intelligent Material Systems: Application of Functional Materials. <i>Applied Mechanics Reviews</i> , 1998 , 51, 505-521	8.6	149
304	Lead-Free Barium Titanate Ceramics with Large Piezoelectric Constant Fabricated by Microwave Sintering. <i>Japanese Journal of Applied Physics</i> , 2006 , 45, L30-L32	1.4	148
303	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	2.2	140
302	A piezoelectric spring pendulum oscillator used for multi-directional and ultra-low frequency vibration energy harvesting. <i>Applied Energy</i> , 2018 , 231, 600-614	10.7	118
301	A modified Prandtl-Ishlinskii model for modeling asymmetric hysteresis of piezoelectric actuators. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2010 , 57, 1200-10	3.2	91
300	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	91
299	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	8.4	78
298	Fabrication and high durability of functionally graded piezoelectric bending actuators. <i>Smart Materials and Structures</i> , 2003 , 12, 115-121	3.4	72
297	Enhanced synchronized switch harvesting: a new energy harvesting scheme for efficient energy extraction. <i>Smart Materials and Structures</i> , 2010 , 19, 115017	3.4	64
296	Crystalline Structure, Defect Chemistry and Room Temperature Colossal Permittivity of Nd-doped Barium Titanate. <i>Scientific Reports</i> , 2017 , 7, 42274	4.9	62
295	Comparison between four piezoelectric energy harvesting circuits. <i>Frontiers of Mechanical Engineering in China</i> , 2009 , 4, 153-159		59
294	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	2.3	54
293	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	3.3	52
292	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	49
291	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	8.6	48
290	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	2.1	48
289	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	3.3	48

288	Application of low frequency ECT method in noncontact detection and visualization of CFRP material. <i>Composites Part B: Engineering</i> , 2017 , 110, 141-152	10	46
287	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	2.3	46
286	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	3.9	46
285	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	45
284	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	4.1	44
283	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	7.8	44
282	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, 4521-30	3.4	43
281	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	4.5	43
280	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	2.3	43
279	Vibration damping as a result of piezoelectric energy harvesting. <i>Sensors and Actuators A: Physical</i> , 2011 , 169, 178-186	3.9	42
278	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	3.9	41
277	Poly(methyl methacrylate)-functionalized graphene/polyurethane dielectric elastomer composites with superior electric field induced strain. <i>Materials Letters</i> , 2014 , 128, 19-22	3.3	41
276	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	40
275	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	13	39
274	Ultra high permittivity and significantly enhanced electric field induced strain in PEDOT:PSS/BGO@PU intelligent shape-changing electro-active polymers. <i>RSC Advances</i> , 2014 , 4, 64061-64067	2.7	39
273	Preparation and characterization of monodispersed BaTiO ₃ nanocrystals by sol-gel hydrothermal method. <i>Journal of Crystal Growth</i> , 2013 , 363, 300-307	1.6	37
272	Hydrothermal synthesis of sodium niobate with controllable shape and structure. <i>CrystEngComm</i> , 2012 , 14, 411-416	3.3	35
271	(K, Na)NbO ₃ -based lead-free piezoelectric ceramics manufactured by two-step sintering. <i>Ceramics International</i> , 2012 , 38, 2521-2527	5.1	35

270	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	4.9	35
269	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	35
268	Magnetic force control based on the inverse magnetostrictive effect. <i>IEEE Transactions on Magnetics</i> , 2004 , 40, 1601-1605	2	34
267	PVDF-Based Composition-Gradient Multilayered Nanocomposites for Flexible High-Performance Piezoelectric Nanogenerators. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 11045-11054	9.5	33
266	Enhancement of vibration based energy harvesting using compound acoustic black holes. <i>Mechanical Systems and Signal Processing</i> , 2019 , 132, 441-456	7.8	32
265	Piezoelectric vibration control for all-clamped panel using DOB-based optimal control. <i>Mechatronics</i> , 2011 , 21, 1213-1221	3	32
264	Characterization of fatigue damages in composite laminates using Lamb wave velocity and prediction of residual life. <i>Composite Structures</i> , 2017 , 166, 219-228	5.3	31
263	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	31
262	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	2.7	30
261	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	5.1	30
260	Self-sensing force control of a piezoelectric actuator. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2008 , 55, 2571-81	3.2	30
259	Multi-damage localization on large complex structures through an extended delay-and-sum based method. <i>Structural Health Monitoring</i> , 2016 , 15, 50-64	4.4	29
258	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	8.4	29
257	Low reflection effect by 3D printed functionally graded acoustic black holes. <i>Journal of Sound and Vibration</i> , 2019 , 450, 96-108	3.9	27
256	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	27
255	Morphology variation of cadmium hydroxyapatite synthesized by high temperature mixing method under hydrothermal conditions. <i>Materials Chemistry and Physics</i> , 2009 , 113, 239-243	4.4	27
254	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	17.1	26
253	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	3.3	26

252	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	5.1	26
251	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	8.4	25
250	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	5.1	25
249	Multi-modal vibration control using a synchronized switch based on a displacement switching threshold. <i>Smart Materials and Structures</i> , 2009 , 18, 035016	3.4	25
248	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	2.3	25
247	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	24
246	Tracking control of piezoelectric stack actuator using modified Prandtl-Bhaskinski model. <i>Journal of Intelligent Material Systems and Structures</i> , 2013 , 24, 753-760	2.3	24
245	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	2.1	24
244	Modeling and simulation of piezoelectric composite diaphragms for energy harvesting. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2009 , 30, 95-106	0.4	24
243	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	2.3	24
242	Buckling and postbuckling characteristics of the superelastic SMA columns. <i>International Journal of Solids and Structures</i> , 2001 , 38, 9253-9265	3.1	24
241	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	0.4	24
240	An internal resonance based frequency up-converting energy harvester. <i>Journal of Intelligent Material Systems and Structures</i> , 2018 , 29, 2766-2781	2.3	23
239	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	1.5	23
238	Synthesis of potassium sodium niobate powders using an EDTA/citrate complexing sol-gel method. <i>Particuology</i> , 2012 , 10, 777-782	2.8	22
237	Synthesis and crystallographic study of PbBr hydroxyapatite solid solutions by high temperature mixing method under hydrothermal conditions. <i>Materials Research Bulletin</i> , 2009 , 44, 1392-1396	5.1	22
236	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, 1086-94	3.2	22
235	Magnetic force control with composite of giant magnetostrictive and piezoelectric materials. <i>IEEE Transactions on Magnetics</i> , 2003 , 39, 3534-3540	2	22

- 234 Vibration Control of a Cylindrical Shell Using Piezoelectric Actuators. *Journal of Intelligent Material Systems and Structures*, **1995**, 6, 380-388 2.3 22
- 233 Low-temperature solid-state synthesis and optical properties of ZnO/CdS nanocomposites. *Journal of Alloys and Compounds*, **2015**, 618, 67-72 5.7 21
- 232 Dielectric and energy storage performances of PVDF-based composites with colossal permittivity Nd-doped BaTiO₃ nanoparticles as the filler. *AIP Advances*, **2017**, 7, 125104 1.5 21
- 231 Fabrication of Pb(Nb,Ni)O₃-Pb(Zr,Ti)O₃ Piezoelectric Ceramic Fibers by Extrusion of a Sol-Powder Mixture. *Journal of Intelligent Material Systems and Structures*, **2004**, 15, 643-653 2.3 21
- 230 Interlaminar contact resistivity and its influence on eddy currents in carbon fiber reinforced polymer laminates. *NDT and E International*, **2018**, 94, 79-91 4.1 20
- 229 High discharged energy density of polymer nanocomposites induced by Nd-doped BaTiO₃ nanoparticles. *Journal of Materiomics*, **2018**, 4, 44-50 6.7 20
- 228 Phase transition, microstructure, and dielectric properties of Li/Ta/Sb co-doped (K, Na)NbO₃ lead-free ceramics. *Ceramics International*, **2014**, 40, 4389-4394 5.1 20
- 227 Adaptive synchronized switch harvesting: A new piezoelectric energy harvesting scheme for wideband vibrations. *Sensors and Actuators A: Physical*, **2015**, 226, 21-36 3.9 19
- 226 Semi-active vibration control based on unsymmetrical synchronized switch damping: Analysis and experimental validation of control performance. *Journal of Sound and Vibration*, **2016**, 370, 1-22 3.9 19
- 225 High breakdown strength and outstanding piezoelectric performance in flexible PVDF based percolative nanocomposites through the synergistic effect of topological-structure and composition modulations. *Composites Part A: Applied Science and Manufacturing*, **2018**, 114, 13-20 8.4 19
- 224 Synthesis of (K, Na)NbO₃ particles by high temperature mixing method under hydrothermal conditions. *Materials Letters*, **2010**, 64, 77-79 3.3 19
- 223 Highly sensitive, reliable and flexible pressure sensor based on piezoelectric PVDF hybrid film using MXene nanosheet reinforcement. *Journal of Alloys and Compounds*, **2021**, 886, 161069 5.7 19
- 222 Semi-active vibration control using piezoelectric actuators in smart structures. *Frontiers of Mechanical Engineering in China*, **2009**, 4, 242 18
- 221 Copper Phthalocyanine Oligomer Noncovalent Functionalized Graphene-Polyurethane Dielectric Elastomer Composites for Flexible Micro-Actuator. *Soft Materials*, **2015**, 13, 210-218 1.7 17
- 220 Flexible textured MnO₂ nanorods/ PVDF hybrid films with superior piezoelectric performance for energy harvesting application. *Composites Science and Technology*, **2020**, 199, 108330 8.6 17
- 219 Study on the sintering mechanism of KNN-based lead-free piezoelectric ceramics. *Journal of Materials Science*, **2011**, 46, 2345-2349 4.3 17
- 218 Effects of Sb-doping on the formation of (K, Na)(Nb, Sb)O₃ solid solution under hydrothermal conditions. *Journal of Alloys and Compounds*, **2010**, 493, 186-191 5.7 17
- 217 Control of Self-Excited Vibration of a Rotor System With Active Gas Bearings. *Journal of Vibration and Acoustics, Transactions of the ASME*, **2003**, 125, 328-334 1.6 17

216	Simultaneous optimal design of structural topology, actuator locations and control parameters for a plate structure. <i>Computational Mechanics</i> , 2002 , 29, 89-97	4	17
215	Simultaneous optimization of a two-link flexible robot arm. <i>Journal of Field Robotics</i> , 2001 , 18, 29-38		17
214	Structural damage detections based on a general vibration model identification approach. <i>Mechanical Systems and Signal Processing</i> , 2019 , 123, 316-332	7.8	16
213	Design methodology of a frequency up-converting energy harvester based on dual-cantilever and pendulum structures. <i>AIP Advances</i> , 2019 , 9, 045312	1.5	16
212	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	8.6	16
211	Damage evaluation based on a wave energy flow map using multiple PZT sensors. <i>Sensors</i> , 2014 , 14, 1902-17	3.8	16
210	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	5.7	16
209	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	0.4	16
208	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	0.4	16
207	Crystallographic study of lead-substituted hydroxyapatite synthesized by high-temperature mixing method under hydrothermal conditions. <i>Inorganica Chimica Acta</i> , 2010 , 363, 1785-1790	2.7	16
206	Modeling and Characterization of Piezoelectric Fibers with Metal Core. <i>Japanese Journal of Applied Physics</i> , 2005 , 44, 6156-6163	1.4	16
205	A novel method for fatigue delamination simulation in composite laminates. <i>Composites Science and Technology</i> , 2016 , 128, 104-115	8.6	15
204	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	2.2	15
203	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	2.1	15
202	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	4.6	15
201	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	2.1	15
200	RESPONSE OF METAL CORE PIEZOELECTRIC FIBERS TO UNSTEADY AIRFLOWS. <i>Modern Physics Letters B</i> , 2010 , 24, 1453-1456	1.6	15
199	The constitutive equations of half coated metal core piezoelectric fiber. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2009 , 29, 47-64	0.4	15

198	Isopropanol-assisted hydrothermal synthesis of (K, Na)NbO ₃ piezoelectric ceramic powders. <i>Journal of Materials Science</i> , 2010 , 45, 3311-3317	4.3	15
197	Buckling and Postbuckling Characteristics of the Superelastic SMA Columns [Numerical Simulation]. <i>Journal of Intelligent Material Systems and Structures</i> , 2005 , 16, 691-702	2.3	15
196	Mode conversion behavior of guided wave in glass fiber reinforced polymer with fatigue damage accumulation. <i>Composites Science and Technology</i> , 2020 , 192, 108073	8.6	14
195	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	8.4	14
194	Rod-like NaNbO ₃ : mechanisms for stable solvothermal synthesis, temperature-mediated phase transitions and morphological evolution. <i>RSC Advances</i> , 2014 , 4, 15104-15110	3.7	14
193	Low-temperature sintering and enhanced dielectric properties of alkali niobate ceramics prepared from solvothermally synthesized nanopowders. <i>Ceramics International</i> , 2017 , 43, 1135-1144	5.1	14
192	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	0.4	14
191	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	5.1	14
190	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	14
189	The Application of Piezoelectric Materials in Smart Structures in China. <i>International Journal of Aeronautical and Space Sciences</i> , 2010 , 11, 266-284	1.2	14
188	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	7.8	14
187	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	8.4	13
186	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	2.3	13
185	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	8.6	13
184	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	0.4	12
183	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. <i>Journal of Alloys and Compounds</i> , 2016 , 685, 266-271	5.7	12
182	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	2.7	12
181	Smart Skin and Actuators for Morphing Structures. <i>Procedia IUTAM</i> , 2014 , 10, 427-441		12

180	Sol-hydrothermal synthesis and characterization of lead zirconate titanate fine particles. <i>Advanced Powder Technology</i> , 2013 , 24, 212-217	4.6	12
179	One-Step Surfactant-Free Hydrothermal Synthesis of Platelike Sodium Niobate Template Powders. <i>Journal of the American Ceramic Society</i> , 2014 , 97, 3360-3362	3.8	12
178	Tantalum influence on electrical properties of lead-free (K _{0.4425} Na _{0.52} Li _{0.0375})(Nb _{0.93} Ta x Sb _{0.07}) O ₃ piezoelectric ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2012 , 23, 846-850	2.1	12
177	Phase evolution of (K, Na)NbO ₃ powder prepared by high temperature mixing under hydrothermal conditions. <i>Particuology</i> , 2010 , 8, 477-481	2.8	12
176	Fabrication of piezoelectric ceramic fibers by extrusion of Pb(Zr, Ti)O ₃ powder and Pb(Zr, Ti)O ₃ sol mixture. <i>Smart Materials and Structures</i> , 2003 , 12, 331-337	3.4	12
175	Fabrication of piezoelectric fibers with metal core 2003 , 5053, 475		12
174	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	8.6	12
173	Improved tribological properties of polyimide composites by micro/nano reinforcement. <i>Journal of Applied Polymer Science</i> , 2019 , 136, 47900	2.9	11
172	MWCNTs-TiO ₂ core-shell nanoassemblies for fabrication of poly(vinylidene fluoride) based composites with high breakdown strength and discharged energy density. <i>Journal of Polymer Research</i> , 2016 , 23, 1	2.7	11
171	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	2.3	11
170	Analysis of energy conversion in switched-voltage control with arbitrary switching frequency. <i>Sensors and Actuators A: Physical</i> , 2012 , 174, 162-172	3.9	11
169	Preparation and optical properties of high-quality oriented of Al and Er co-doped ZnO thin films. <i>Journal of Sol-Gel Science and Technology</i> , 2012 , 63, 95-102	2.3	11
168	Semi-active vibration suppression by a novel synchronized switch circuit with negative capacitance. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2011 , 37, 291-308	0.4	11
167	Tracking control of piezoelectric actuator system using inverse hysteresis model. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2010 , 33, 1555-1564	0.4	11
166	Property of Lead Zirconate Titanate Actuator Manufactured with Microwave Sintering Process. <i>Japanese Journal of Applied Physics</i> , 2001 , 40, 724-727	1.4	11
165	A metastable cubic phase of sodium niobate nanoparticles stabilized by chemically bonded solvent molecules. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 33171-33179	3.6	11
164	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	3.9	10
163	Insight into influence of conducting polymer functionalized graphene on electromechanical activity of polyurethane-based intelligent shape-changing composites. <i>Journal of Materials Science: Materials in Electronics</i> , 2015 , 26, 3730-3738	2.1	10

162	Improved sintering activity and piezoelectric properties of PZT ceramics from hydrothermally synthesized powders with Pb excess. <i>Journal of Materials Science: Materials in Electronics</i> , 2016 , 27, 8573-8579	2.1	10
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