

S W Or

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/8395501/s-w-or-publications-by-year.pdf>

Version: 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

212
papers

5,135
citations

35
h-index

61
g-index

232
ext. papers

5,666
ext. citations

3.3
avg, IF

5.81
L-index

#	Paper	IF	Citations
212	An Adaptive Fault Ride-Through Scheme for Grid-Forming Inverters under Asymmetrical Grid Faults. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	2
211	Short-term prediction of wind power and its ramp events based on semi-supervised generative adversarial network. <i>International Journal of Electrical Power and Energy Systems</i> , 2021 , 125, 106411	5.1	16
210	Remaining Useful Life Prognosis Based on Ensemble Long Short-Term Memory Neural Network. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021 , 70, 1-12	5.2	20
209	Optimal Coordinated Control of Multi-Renewable-to-Hydrogen Production System for Hydrogen Fueling Stations. <i>IEEE Transactions on Industry Applications</i> , 2021 , 1-1	4.3	7
208	Analysis of Evolutionary Dynamics for Bidding Strategy Driven by Multi-Agent Reinforcement Learning. <i>IEEE Transactions on Power Systems</i> , 2021 , 1-1	7	1
207	A Low-Harmonic Control Method of Bidirectional Three-Phase Z-Source Converters for Vehicle-to-Grid Applications. <i>IEEE Transactions on Transportation Electrification</i> , 2020 , 6, 464-477	7.6	5
206	Metal-organic framework-derived MnO/CoMn ₂ O ₄ @Ni nanorods with nanoparticle interstitial decoration in core@shell structure as improved bifunctional electrocatalytic cathodes for LiO ₂ batteries. <i>Electrochimica Acta</i> , 2020 , 338, 135809	6.7	13
205	Thermodynamic modelling of buried transformer substations for dynamic loading capability assessment considering underground heat accumulative effect. <i>International Journal of Electrical Power and Energy Systems</i> , 2020 , 121, 106153	5.1	2
204	Dual Cost Function Model Predictive Direct Speed Control With Duty Ratio Optimization for PMSM Drives. <i>IEEE Access</i> , 2020 , 8, 126637-126647	3.5	3
203	Self-assembled three-dimensional macroscopic graphene/MXene-based hydrogel as electrode for supercapacitor. <i>APL Materials</i> , 2020 , 8, 091101	5.7	17
202	Effect of charged particles flow velocity on THz absorption characteristic of dusty plasma. <i>Optik</i> , 2019 , 181, 666-672	2.5	
201	In-Situ Arc Discharge-Derived FeSn ₂ /Onion-Like Carbon Nanocapsules as Improved Stannide-Based Electrocatalytic Anode Materials for Lithium-Ion Batteries. <i>Catalysts</i> , 2019 , 9, 950	4	4
200	. <i>IEEE Transactions on Magnetics</i> , 2019 , 55, 1-5	2	
199	Unique electromagnetic loss properties of Co-doped ZnO Nanofiber. <i>Materials Letters</i> , 2019 , 238, 271-274	3.3	7
198	Degradation Data-Driven Time-To-Failure Prognostics Approach for Rolling Element Bearings in Electrical Machines. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 529-539	8.9	103
197	3D heterostructured cobalt oxide@layered double hydroxide core-shell networks on nickel foam for high-performance hybrid supercapacitor. <i>Dalton Transactions</i> , 2018 , 48, 150-157	4.3	15
196	Low-pressure assisted solution synthesis of CH ₃ NH ₃ PbI ₃ -xCl _x perovskite solar cells. <i>Ceramics International</i> , 2018 , 44, 11603-11609	5.1	10

195	Thickness-dependent structural and electromechanical properties of (Na _{0.85} K _{0.15}) _{0.5} Bi _{0.5} TiO ₃ multilayer thin film-based heterostructures. <i>Materials and Design</i> , 2018 , 149, 153-164	8.1	5
194	Transition Metal Hollow Nanocages as Promising Cathodes for the Long-Term Cyclability of Li ⁺ Batteries. <i>Nanomaterials</i> , 2018 , 8,	5.4	7
193	Enhanced microwave electromagnetic properties of core/shell/shell-structured Ni/SiO ₂ /polyaniline hexagonal nanoflake composites with preferred magnetization and polarization orientations. <i>Materials and Design</i> , 2018 , 153, 190-202	8.1	15
192	Gradient-Type Magnetoelectric Current Sensor with Strong Multisource Noise Suppression. <i>Sensors</i> , 2018 , 18,	3.8	7
191	Interchange core/shell assembly of diluted magnetic semiconductor CeO ₂ and ferromagnetic ferrite Fe ₃ O ₄ for microwave absorption. <i>AIP Advances</i> , 2017 , 7, 055811	1.5	10
190	Urchin-Like Ni Microspherical Structure with Enhanced Magnetic Loss for Thin Microwave Absorber at Gigahertz. <i>Nano</i> , 2017 , 12, 1750034	1.1	2
189	Exchange coupling and microwave absorption in core/shell-structured hard/soft ferrite-based CoFe ₂ O ₄ /NiFe ₂ O ₄ nanocapsules. <i>AIP Advances</i> , 2017 , 7, 056403	1.5	33
188	Ag ₃ PO ₄ nanoparticle-decorated Ni/C nanocapsules with tunable electromagnetic absorption properties. <i>AIP Advances</i> , 2017 , 7, 056421	1.5	4
187	The one-pot syntheses of Fe@(C, N) nanocapsules for electromagnetic absorption at gigahertz. <i>Materials Letters</i> , 2017 , 198, 69-72	3.3	10
186	Realizing superior white LEDs with both high R ₉ and luminous efficacy by using dual red phosphors. <i>RSC Advances</i> , 2017 , 7, 25964-25968	3.7	33
185	Phase-sensitive dc magnetometer based on magnetic-electromagnetic-magnetostrictive-piezoelectric heterostructure. <i>AIP Advances</i> , 2017 , 7, 056642	1.5	2
184	A New Control Method for a Bi-Directional Phase-Shift-Controlled DC-DC Converter with an Extended Load Range. <i>Energies</i> , 2017 , 10, 1532	3.1	6
183	Magnetoelectric Transverse Gradient Sensor with High Detection Sensitivity and Low Gradient Noise. <i>Sensors</i> , 2017 , 17,	3.8	2
182	Structural evolutions and significantly reduced thermal degradation of red-emitting Sr ₂ Si ₅ N ₈ :Eu ²⁺ via carbon doping. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 8927-8935	7.1	29
181	Biomass-derived porous carbon materials with NiS nanoparticles for high performance supercapacitors. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 14874-14883	2.1	17
180	FeSn ₂ /defective onion-like carbon core-shell structured nanocapsules for high-frequency microwave absorption. <i>Journal of Alloys and Compounds</i> , 2017 , 695, 2605-2611	5.7	25
179	Pb(In _{1/2} Nb _{1/2})O ₃ /Pb(Mg _{1/3} Nb _{2/3})O ₃ /PbTiO ₃ Piezoelectric Single-Crystal Rectangular Beams: Mode-Coupling Effect and Its Application to Ultrasonic Array Transducers. <i>Crystals</i> , 2017 , 7, 101	2.3	3
178	Development of Elasto-Magneto-Electric (EME) Sensor for In-Service Cable Force Monitoring. <i>International Journal of Structural Stability and Dynamics</i> , 2016 , 16, 1640016	1.9	20

177	Bidirectional Current Voltage Converter Based on Coil-Wound, Intermagnetically Biased, Heterostructured Magnetolectric Ring. <i>IEEE Transactions on Magnetics</i> , 2016 , 52, 1-5	2	2
176	Enhanced Cyclability in Rechargeable LiO ₂ Batteries Based on Mn ₃ O ₄ Hollow Nanocage/Ketjenblack Catalytic Air Cathode. <i>IEEE Transactions on Magnetics</i> , 2016 , 52, 1-4	2	1
175	Microwave Absorbing Properties of NiFe ₂ O ₄ Nanosheets Synthesized Via a Simple Surfactant-Assisted Solution Route. <i>Materials Research</i> , 2016 , 19, 1149-1154	1.5	15
174	Orientation-induced enhancement in electromagnetic properties of ZnFe ₂ O ₄ /SiO ₂ /PANI core/shell/shell nanostructured disks. <i>AIP Advances</i> , 2016 , 6, 055908	1.5	4
173	Core/shell-structured nickel/nitrogen-doped onion-like carbon nanocapsules with improved electromagnetic wave absorption properties. <i>AIP Advances</i> , 2016 , 6, 056206	1.5	16
172	Experimental Identification of a Self-Sensing Magnetorheological Damper Using Soft Computing. <i>Journal of Engineering Mechanics - ASCE</i> , 2015 , 141, 04015001	2.4	12
171	Core/shell-structured nickel cobaltite/onion-like carbon nanocapsules as improved anode material for lithium-ion batteries. <i>Ceramics International</i> , 2015 , 41, 7511-7518	5.1	15
170	Effect of shell permutation on electromagnetic properties of ZnFeO ₄ /(PANI, SiO ₂) core/double-shell nanostructured disks. <i>Journal of Applied Physics</i> , 2015 , 117, 17A505	2.5	13
169	Voltage-mode direct-current magnetolectric sensor based on piezoelectricmagnetostrictive heterostructure. <i>Journal of Applied Physics</i> , 2015 , 117, 17A748	2.5	8
168	High magnetolectric effect at low magnetic basing in heterostructure rod of magnetostrictive fibers, piezoelectric tube, and epoxy binder. <i>Journal of Applied Physics</i> , 2015 , 117, 17D721	2.5	1
167	Electromagnetic Navigation Linear Displacement Transducer Based on Magnetic Field Gradient Technique. <i>IEEE Transactions on Magnetics</i> , 2015 , 51, 1-4	2	1
166	Facile synthesis of superconducting NbN nanoparticles. <i>Ceramics International</i> , 2015 , 41, 849-852	5.1	3
165	Hydrothermal Synthesis of Three-dimensional Butterfly-like Ni Architectures as Microwave Absorbers. <i>Materials Research</i> , 2015 , 18, 1115-1120	1.5	1
164	Large Scale Synthesis of Superparamagnetic Face-centered Cubic Co/C Nanocapsules by a Facile Hydrothermal Method and their Microwave Absorbing Properties. <i>Materials Research</i> , 2015 , 18, 756-762 ^{1.5}	1.5	12
163	Sliding-mode position control of medium-stroke voice coil motor based on system identification observer. <i>IET Electric Power Applications</i> , 2015 , 9, 620-627	1.8	19
162	Characterization and modeling of a self-sensing MR damper under harmonic loading. <i>Smart Structures and Systems</i> , 2015 , 15, 1103-1120		9
161	Onion-like carbon coated CuO nanocapsules: A highly reversible anode material for lithium ion batteries. <i>Journal of Alloys and Compounds</i> , 2014 , 587, 1-5	5.7	33
160	High current sensitivity and large magnetolectric effect in magnetostrictivepiezoelectric concentric ring. <i>Journal of Applied Physics</i> , 2014 , 115, 17A933	2.5	10

159	Fe/amorphous SnO ₂ core-shell structured nanocapsules for microwave absorptive and electrochemical performance. <i>RSC Advances</i> , 2014 , 4, 51389-51394	3.7	23
158	Structure and electromagnetic properties of single-crystalline Fe ₃ O ₄ hollow nanospheres. <i>Journal of Nanoscience and Nanotechnology</i> , 2014 , 14, 4664-9	1.3	7
157	Synthesis, characterization and microwave absorption of carbon-coated Cu nanocapsules. <i>Materials Research</i> , 2014 , 17, 477-482	1.5	21
156	Giant reversible magnetocaloric effect in flower-like FeCo(OH) ₂ hierarchical superstructures self-assembled by nanosheets. <i>Materials Research</i> , 2014 , 17, 186-189	1.5	8
155	Synthesis, characterization and microwave dielectric properties of flower-like Co(OH) ₂ /C nanocomposites. <i>Materials Research</i> , 2014 , 17, 920-925	1.5	2
154	Core/shell/shell-structured nickel/carbon/polyaniline nanocapsules with large absorbing bandwidth and absorber thickness range. <i>Journal of Applied Physics</i> , 2014 , 115, 17A507	2.5	19
153	Wireless Condition Monitoring of Train Traction Systems Using Magnetolectric Passive Current Sensors. <i>IEEE Sensors Journal</i> , 2014 , 14, 4305-4314	4	11
152	DC magnetic field sensor based on electric driving and magnetic tuning in piezoelectric/magnetostrictive bilayer. <i>Journal of Applied Physics</i> , 2014 , 115, 17E520	2.5	3
151	Smart elasto-magneto-electric (EME) sensors for stress monitoring of steel cables: design theory and experimental validation. <i>Sensors</i> , 2014 , 14, 13644-60	3.8	33
150	Piezoelectric-metal-magnet dc magnetolectric sensor with high dynamic response. <i>Journal of Applied Physics</i> , 2013 , 114, 027016	2.5	6
149	Magnetic and dielectric properties of HoMnO ₃ nanoparticles synthesized by the polymerized complex method. <i>Materials Chemistry and Physics</i> , 2013 , 140, 126-129	4.4	1
148	Microwave complex permeability of Fe ₃ O ₄ nanoflake composites with and without magnetic field-induced rotational orientation. <i>Journal of Applied Physics</i> , 2013 , 113, 17B307	2.5	16
147	NiO/C nanocapsules with onion-like carbon shell as anode material for lithium ion batteries. <i>Carbon</i> , 2013 , 60, 215-220	10.4	74
146	Ternary piezoelectric single-crystal PIMNT based 2-2 composite for ultrasonic transducer applications. <i>Sensors and Actuators A: Physical</i> , 2013 , 196, 70-77	3.9	21
145	Influence of a graphite shell on the thermal, magnetic and electromagnetic characteristics of Fe nanoparticles. <i>Journal of Alloys and Compounds</i> , 2013 , 548, 239-244	5.7	27
144	Cylindrically shaped ultrasonic linear array fabricated using PIMNT/epoxy 1-3 piezoelectric composite. <i>Sensors and Actuators A: Physical</i> , 2013 , 192, 69-75	3.9	24
143	Synthesis and electromagnetic properties of Al/AlO _x -coated Ni nanocapsules. <i>Materials Research Bulletin</i> , 2013 , 48, 3887-3891	5.1	30
142	Concurrent operational modes and enhanced current sensitivity in heterostructure of magnetolectric ring and piezoelectric transformer. <i>Journal of Applied Physics</i> , 2013 , 113, 17C733	2.5	23

141	Co ₃ O ₄ /C nanocapsules with onion-like carbon shells as anode material for lithium ion batteries. <i>Electrochimica Acta</i> , 2013 , 100, 140-146	6.7	65
140	Investigation on microwave absorption properties of CuO/Cu ₂ O-coated Ni nanocapsules as wide-band microwave absorbers. <i>RSC Advances</i> , 2013 , 3, 14590	3.7	43
139	Development of piezoelectric transformer-coupled solid state relays for electrical circuit control in railway systems. <i>International Journal of Rail Transportation</i> , 2013 , 1, 74-86	2.1	
138	Direct current force sensing device based on compressive spring, permanent magnet, and coil-wound magnetostrictive/piezoelectric laminate. <i>Review of Scientific Instruments</i> , 2013 , 84, 125003	1.7	1
137	Magnetostrictive composite fiber Bragg grating (MCFBG) magnetic field sensor. <i>Sensors and Actuators A: Physical</i> , 2012 , 173, 122-126	3.9	38
136	Temperature dependence of dielectric polarization and strain behaviors for rhombohedral PIMNT single crystal with different crystallographic orientations. <i>Journal of Alloys and Compounds</i> , 2012 , 545, 57-62	5.7	7
135	Steel stress monitoring sensor based on elasto-magnetic effect and using magneto-electric laminated composite. <i>Journal of Applied Physics</i> , 2012 , 111, 07E516	2.5	20
134	Dynamic magnetoelastic properties of epoxy-bonded Sm _{0.88} Nd _{0.12} Fe _{1.93} pseudo-1-3 negative magnetostrictive particulate composite. <i>Journal of Applied Physics</i> , 2012 , 111, 07A940	2.5	4
133	Broadband ultrasonic linear array using ternary PIN-PMN-PT single crystal. <i>Review of Scientific Instruments</i> , 2012 , 83, 095001	1.7	11
132	High magnetoelectric tuning effect in a polymer-based magnetostrictive-piezoelectric laminate under resonance drive. <i>Journal of Applied Physics</i> , 2012 , 111, 07C717	2.5	10
131	Magnetoelectric Smart Current Sensors for Wireless Condition Monitoring of Train Traction Systems. <i>Lecture Notes in Electrical Engineering</i> , 2012 , 319-327	0.2	3
130	Development of Piezoelectric Transformer -Coupled Solid State Relay for Electrical Circuit Control in Railway Systems. <i>Lecture Notes in Electrical Engineering</i> , 2012 , 329-338	0.2	
129	Electromagnetic wave absorption properties of mechanically mixed Nd ₂ Fe ₁₄ B/C microparticles. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 2929-2932	5.7	17
128	Magnetomechanical properties of epoxy-bonded Sm _{1-x} Nd _x Fe _{1.55} (0.56) pseudo-1-3 magnetostrictive particulate composites. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 4954-4957	5.7	9
127	Electrical, magnetic, and magnetoelectric characterization of fine-grained Pb(Zr _{0.53} Ti _{0.47})O ₃ (Ni _{0.5} Zn _{0.5})Fe ₂ O ₄ composite ceramics. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 6311-6316	5.7	29
126	Improving the piezoelectric thermal stability by tailoring phase transition behavior in the new (1-x)[0.65PbMg _{1/3} Nb _{2/3} O ₃][xBiZn _{1/2} Ti _{1/2} O ₃] perovskite solid solutions. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 8907-8911	5.7	5
125	Full X-band microwave absorption by Fe(Mn)/Mn ₇ C ₃ /C core/shell/shell structured nanocapsules. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 9071-9075	5.7	44
124	Cryogenic transverse and shear mode properties of (1-x)Pb(Mg _{1/3} Nb _{2/3})O ₃ -xBiTiO ₃ single crystal with the optimal crystallographic direction. <i>Materials Chemistry and Physics</i> , 2011 , 125, 718-722	4.4	7

123	Smart elasto-magneto-electric (EME) sensors for stress monitoring of steel structures in railway infrastructures. <i>Journal of Zhejiang University: Science A</i> , 2011 , 12, 895-901	2.1	20
122	Large strain response in acceptor- and donor-doped Bi _{0.5} Na _{0.5} TiO ₃ -based lead-free ceramics. <i>Journal of Materials Science</i> , 2011 , 46, 5702-5708	4.3	29
121	Magnetic properties of Dy nanoparticles and Al ₂ O ₃ -coated Dy nanocapsules. <i>Journal of Nanoparticle Research</i> , 2011 , 13, 1163-1174	2.3	6
120	Hydrothermal self-assembly of hierarchical cobalt hyperbranches by a sodium tartrate-assisted route. <i>RSC Advances</i> , 2011 , 1, 1287	3.7	20
119	Formation and characterization of three-ply structured multiferroic Sm _{0.88} Nd _{0.12} Fe _{1.93} Pb(Zr _{0.53} Ti _{0.47})O ₃ ceramic composites via a solid solution process. <i>Journal of the European Ceramic Society</i> , 2011 , 31, 1753-1761	6	11
118	Self-sensing tunable vibration absorber incorporating piezoelectric ceramic-magnetostrictive composite sensor/actuator. <i>Smart Materials and Structures</i> , 2011 , 20, 085007	3.4	1
117	Enhanced magnetoelectric effect in heterostructure of magnetostrictive alloy bars and piezoelectric single-crystal transformer. <i>Review of Scientific Instruments</i> , 2011 , 82, 013903	1.7	16
116	Dual-resonance converse magnetoelectric and voltage step-up effects in laminated composite of long-type 0.71Pb(Mg _{1/3} Nb _{2/3})O ₃ -0.29PbTiO ₃ piezoelectric single-crystal transformer and Tb _{0.3} Dy _{0.7} Fe _{1.92} magnetostrictive alloy bars. <i>Journal of Applied Physics</i> , 2011 , 109, 104103	2.5	6
115	Effect of phase transformation on the converse magnetoelectric properties of a heterostructure of Ni _{49.2} Mn _{29.6} Ga _{21.2} and 0.7PbMg _{1/3} Nb _{2/3} O ₃ -0.3PbTiO ₃ crystals. <i>Applied Physics Letters</i> , 2010 , 96, 182503	3.4	18
114	First-principles study on the electronic and optical properties of Na _{0.5} Bi _{0.5} TiO ₃ lead-free piezoelectric crystal. <i>Journal of Applied Physics</i> , 2010 , 107, 043513	2.5	48
113	Energy harvesting using a modified rectangular cymbal transducer based on 0.71Pb(Mg _{1/3} Nb _{2/3})O ₃ -0.29PbTiO ₃ single crystal. <i>Journal of Applied Physics</i> , 2010 , 107, 034501	2.5	35
112	Twin-variant reorientation-induced large magnetoresistance effect in Ni ₅₀ Mn ₂₉ Ga ₂₁ single crystal. <i>Journal of Applied Physics</i> , 2010 , 108, 053716	2.5	3
111	Giant resonance frequency tunable magnetoelectric effect in a device of Pb(Zr _{0.52} Ti _{0.48})O ₃ drum transducer, NdFeB magnet, and Fe-core solenoid. <i>Applied Physics Letters</i> , 2010 , 96, 203502	3.4	23
110	Magnetoelectric effect in lead-free BNKLBT ceramic/terfenol-D continue fiber composite laminates. <i>Journal of Applied Physics</i> , 2010 , 107, 093907	2.5	11
109	Piezoelectric energy harvesting using shear mode 0.71Pb(Mg _{1/3} Nb _{2/3})O ₃ -0.29PbTiO ₃ single crystal cantilever. <i>Applied Physics Letters</i> , 2010 , 96, 083502	3.4	62
108	dc magnetoelectric sensor based on direct coupling of Lorentz force effect in aluminum strip with transverse piezoelectric effect in 0.7Pb(Mg _{1/3} Nb _{2/3})O ₃ -0.3PbTiO ₃ single-crystal plate. <i>Journal of Applied Physics</i> , 2010 , 107, 09E702	2.5	13
107	dc- and ac-magnetic field-induced strain effects in ferromagnetic shape memory composites of Ni _{49.2} Mn _{29.6} Ga _{21.2} single crystal and polyurethane polymer. <i>Journal of Applied Physics</i> , 2010 , 107, 09A942	2.5	8
106	Ring-type electric current sensor based on ring-shaped magnetoelectric laminate of epoxy-bonded Tb _{0.3} Dy _{0.7} Fe _{1.92} short-fiber/NdFeB magnet magnetostrictive composite and Pb(Zr, Ti)O ₃ piezoelectric ceramic. <i>Journal of Applied Physics</i> , 2010 , 107, 09D918	2.5	55

105	Magnetic field-induced strain and magnetoelectric effects in sandwich composite of ferromagnetic shape memory Ni-Mn-Ga crystal and piezoelectric PVDF polymer. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2010 , 57, 2147-53	3.2	8
104	Large magnetoelectric effect from mechanically mediated magnetic field-induced strain effect in NiMnGa single crystal and piezoelectric effect in PVDF polymer. <i>Journal of Alloys and Compounds</i> , 2010 , 490, L5-L8	5.7	21
103	Ultrahigh anisotropic damping in ferromagnetic shape memory NiMnGa single crystal. <i>Journal of Alloys and Compounds</i> , 2010 , 493, 565-568	5.7	8
102	Preparation and the temperature dependence of electromechanical properties of Ca ²⁺ /W ⁶⁺ co-doped Pb(Zr,Ti)O ₃ ceramics. <i>Journal of Alloys and Compounds</i> , 2010 , 496, 13-19	5.7	4
101	Lead-free magnetoelectric laminated composite of Mn-doped Na _{0.5} Bi _{0.5} TiO ₃ /BaTiO ₃ single crystal and Tb _{0.3} Dy _{0.7} Fe _{1.92} alloy. <i>Journal of Alloys and Compounds</i> , 2010 , 496, L4-L6	5.7	19
100	Electrical resistance load effect on magnetoelectric coupling of magnetostrictive/piezoelectric laminated composite. <i>Journal of Alloys and Compounds</i> , 2010 , 500, 224-226	5.7	38
99	Loosely power flow control scheme for piezoelectric energy harvesting. <i>Electronics Letters</i> , 2010 , 46, 1689	1.1	1
98	Anisotropy of the electrical transport properties in a Ni ₂ MnGa single crystal: Experiment and theory. <i>Journal of Applied Physics</i> , 2010 , 107, 083713	2.5	4
97	Piezoelectric energy harvesting based on shear mode 0.71Pb(Mg _{1/3} Nb _{2/3})O ₃ -0.29PbTiO ₃ single crystals. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2010 , 57, 1419-25	3.2	15
96	Enhancement of the Low Temperature Electromechanical Activity by Electric Field Induced Phase Transition in Sr Modified 0.65Pb(Mg _{1/3} Nb _{2/3})O ₃ -0.35PbTiO ₃ Ceramics. <i>Ferroelectrics</i> , 2010 , 408, 3-8	0.6	1
95	Giant magnetoelectric effect in magnet-cymbal-solenoid current-to-voltage conversion device. <i>Journal of Applied Physics</i> , 2010 , 107, 074509	2.5	8
94	Energy harvesting using multilayer structure based on 0.71Pb(Mg _{1/3} Nb _{2/3})O ₃ /0.29PbTiO ₃ single crystal. <i>Applied Physics A: Materials Science and Processing</i> , 2010 , 100, 125-128	2.6	10
93	Anomalous Hall effect in quaternary Heusler-type Ni ₅₀ Mn ₁₇ Fe ₈ Ga ₂₅ melt-spun ribbons. <i>Applied Physics Letters</i> , 2009 , 95, 032503	3.4	12
92	Bidirectional current-voltage converters based on magnetostrictive/piezoelectric composites. <i>Applied Physics Letters</i> , 2009 , 94, 263504	3.4	16
91	Magnetomechanical properties of epoxy-bonded (Tb _{0.3} Dy _{0.7}) _{1-x} Pr _x Fe _{1.55} (0.4-x) pseudo-1 ₁₁ magnetostrictive composites. <i>Journal Physics D: Applied Physics</i> , 2009 , 42, 035002	3	11
90	Room-Temperature Ultrasonic Bonding of Semiconductor Thin-Dies with Die Attach Films on Glass Substrates. <i>Japanese Journal of Applied Physics</i> , 2009 , 48, 07GM19	1.4	1
89	Dielectric behavior and phase transition in perovskite oxide Pb(Fe _{1/2} Nb _{1/2}) _{1-x} Ti _x O ₃ single crystal. <i>Journal of Applied Physics</i> , 2009 , 105, 124109	2.5	18
88	Fine-grained multiferroic BaTiO ₃ /(Ni _{0.5} Zn _{0.5})Fe ₂ O ₄ composite ceramics synthesized by novel powder-in-sol precursor hybrid processing route. <i>Materials Research Bulletin</i> , 2009 , 44, 1339-1346	5.1	33

87	Hydrothermal Synthesis of Three-Dimensional Hierarchical CuO Butterfly-Like Architectures. <i>European Journal of Inorganic Chemistry</i> , 2009 , 2009, 168-173	2-3	33
86	Synthesis of fine-crystalline Ba _{0.6} Sr _{0.4} TiO ₃ /MgO ceramics by novel hybrid processing route. <i>Journal of Physics and Chemistry of Solids</i> , 2009 , 70, 1218-1222	3-9	16
85	Magnetoelectric effect in laminates of polymer-based pseudo-1B (Tb _{0.3} Dy _{0.7}) _{0.5} Pr _{0.5} Fe _{1.55} composite and 0.3Pb(Mg _{1/3} Nb _{2/3})O ₃ /0.7PbTiO ₃ single crystal. <i>Applied Physics A: Materials Science and Processing</i> , 2009 , 97, 201-204	2-6	11
84	Dynamic magnetomechanical properties of epoxy-bonded (Tb _{0.3} Dy _{0.7}) _{1-x} Pr _x Fe _{1.55} (0 ≤ x ≤ 0.4) pseudo-1B magnetostrictive composites. <i>Journal of Alloys and Compounds</i> , 2009 , 476, 271-275	5-7	4
83	Structural, magnetic, and magnetostrictive properties of Laves (Tb _{0.3} Dy _{0.7}) _{1-x} Pr _x Fe _{1.55} (0 ≤ x ≤ 0.4) alloys. <i>Journal of Alloys and Compounds</i> , 2009 , 476, 24-27	5-7	11
82	Phase transition-induced high electromechanical activity in [(K _{0.5} Na _{0.5}) _{1-x} Lix](Nb _{0.8} Ta _{0.2})O ₃ lead-free ceramic system. <i>Journal of Alloys and Compounds</i> , 2009 , 480, L5-L8	5-7	12
81	Aging-induced, defect-mediated double ferroelectric hysteresis loops and large recoverable electrostrains in Mn-doped orthorhombic KNbO ₃ -based ceramics. <i>Journal of Alloys and Compounds</i> , 2009 , 480, L29-L32	5-7	26
80	Resonance converse magnetoelectric effect in a dual-mode bilayered composite of Pb(Mg _{1/3} Nb _{2/3})O ₃ /PbTiO ₃ and Tb _{0.3} Dy _{0.7} Fe _{1.92} . <i>Journal of Alloys and Compounds</i> , 2009 , 487, 450-452	5-7	16
79	Magnetoelectric voltage gain effect in a long-type magnetostrictive/piezoelectric heterostructure. <i>Applied Physics Letters</i> , 2009 , 95, 143503	3-4	18
78	The effect of magnetic nanoparticles on the morphology, ferroelectric, and magnetoelectric behaviors of CFO/P(VDF-TrFE) 0B nanocomposites. <i>Journal of Applied Physics</i> , 2009 , 105, 054102	2-5	66
77	Dual-mode magnetoelectric effect in laminate composite of Terfenol-D alloy and PMNBT transformer with double output ports. <i>Journal Physics D: Applied Physics</i> , 2009 , 42, 135414	3	18
76	Cryogenic dielectric and piezoelectric activities in rhombohedral (1-x)Pb(Mg _{1/3} Nb _{2/3})O ₃ /xPbTiO ₃ single crystals with different crystallographic orientations. <i>Journal Physics D: Applied Physics</i> , 2009 , 42, 182001	3	15
75	Multiferroic properties of Ni _{0.5} Zn _{0.5} Fe ₂ O ₄ /Pb(Zr _{0.53} Ti _{0.47})O ₃ ceramic composites. <i>Journal of Applied Physics</i> , 2008 , 104, 104109	2-5	67
74	Dynamic magnetoelectric effect in polymer-based laminate composite. <i>Journal of Alloys and Compounds</i> , 2008 , 448, 89-95	5-7	16
73	Dielectric and magnetic properties of fine grained ferromagnetic/ferroelectric composites. <i>Materials Research Innovations</i> , 2008 , 12, 142-146	1-9	7
72	Development of Magnetorheological Dampers with Embedded Piezoelectric Force Sensors for Structural Vibration Control. <i>Journal of Intelligent Material Systems and Structures</i> , 2008 , 19, 1327-1338	2-3	15
71	Magnetoelectric and dielectric relaxation properties of the high Curie temperature composite Sr _{1.9} Ca _{0.1} NaNb ₅ O ₁₅ /CoFe ₂ O ₄ . <i>Journal Physics D: Applied Physics</i> , 2008 , 41, 125402	3	7
70	Giant sharp converse magnetoelectric effect from the combination of a piezoelectric transformer with a piezoelectric/magnetostrictive laminated composite. <i>Applied Physics Letters</i> , 2008 , 93, 113503	3-4	45

69	Giant magnetoelectric effect in mechanically clamped heterostructures of magnetostrictive alloy and piezoelectric crystal-alloy cymbal. <i>Applied Physics Letters</i> , 2008 , 93, 213504	3.4	19
68	Magnetoelectric effect from mechanically mediated torsional magnetic force effect in NdFeB magnets and shear piezoelectric effect in 0.7Pb(Mg $\frac{1}{3}$ Nb $\frac{2}{3}$)O $\frac{3}{2}$.3PbTiO $\frac{3}{2}$ single crystal. <i>Applied Physics Letters</i> , 2008 , 92, 123510	3.4	30
67	Enhanced magnetoelectric effect in longitudinal-transverse mode Terfenol-D/Pb(Mg $\frac{1}{3}$ Nb $\frac{2}{3}$)O $\frac{3}{2}$ /PbTiO $\frac{3}{2}$ laminate composites with optimal crystal cut. <i>Journal of Applied Physics</i> , 2008 , 103, 124511	2.5	88
66	PMN-PT single crystal and Terfenol-D alloy magnetoelectric laminated composites for electromagnetic device applications. <i>Journal of the Ceramic Society of Japan</i> , 2008 , 116, 540-544	1	14
65	Effect of CoFe $\frac{2}{3}$ O $\frac{4}{3}$ content on the dielectric and magnetoelectric properties in Pb(ZrTi)O $\frac{3}{2}$ /CoFe $\frac{2}{3}$ O $\frac{4}{3}$ composite. <i>Journal of Electroceramics</i> , 2008 , 21, 398-400	1.5	29
64	Magnetoelectric and converse magnetoelectric responses in Tb x Dy $\frac{1-x}{2}$ Fe $\frac{2-x}{2}$ alloy & Pb(Mg $\frac{1}{3}$ Nb $\frac{2}{3}$)($\frac{1-x}{2}$)TiO $\frac{3}{2}$ crystal laminated composites. <i>Science Bulletin</i> , 2008 , 53, 2129-2134	10.6	25
63	Converse magnetoelectric effects in piezoelectric/piezomagnetic layered composites. <i>Composites Science and Technology</i> , 2008 , 68, 1440-1444	8.6	47
62	Design optimization of vibration isolation system through minimization of vibration power flow. <i>Structural Engineering and Mechanics</i> , 2008 , 28, 677-694		3
61	Piezocomposite Ultrasonic Transducers for High-Frequency Wire Bonding of Semiconductor Packages 2008 , 389-412		
60	Raman scattering spectra and ferroelectric properties of Bi $\frac{1-x}{2}$ NdxFeO $\frac{3}{2}$ (x=0.2) multiferroic ceramics. <i>Journal of Applied Physics</i> , 2007 , 101, 064101	2.5	137
59	Converse magnetoelectric effect in three-phase composites of piezoceramic, metal cap, and magnet. <i>Journal of Applied Physics</i> , 2007 , 101, 09N508	2.5	5
58	Analysis of vibration power flow from a vibrating machinery to a floating elastic panel. <i>Mechanical Systems and Signal Processing</i> , 2007 , 21, 389-404	7.8	14
57	Piezocomposite ultrasonic transducer for high-frequency wire-bonding of microelectronics devices. <i>Sensors and Actuators A: Physical</i> , 2007 , 133, 195-199	3.9	26
56	Magnetoelectric effect in composites of magnet, metal-cap, and piezoceramic. <i>Applied Physics A: Materials Science and Processing</i> , 2007 , 86, 525-528	2.6	11
55	Magnetoelectric effect from the direct coupling of the Lorentz force from a brass ring with transverse piezoelectricity in a lead zirconate titanate (PZT) disk. <i>Applied Physics A: Materials Science and Processing</i> , 2007 , 89, 1025-1027	2.6	15
54	A novel high frequency magnetostrictive composite-fiber Bragg grating sensor 2007 ,		4
53	Design optimization of machinery mounting systems with an elastic support structure. <i>Engineering Optimization</i> , 2007 , 39, 229-244	2	9
52	Aging-induced double ferroelectric hysteresis loops in BiFeO $\frac{3}{2}$ multiferroic ceramic. <i>Applied Physics Letters</i> , 2007 , 91, 122907	3.4	64

51	High magnetoelectric effect in laminated composites of giant magnetostrictive alloy and lead-free piezoelectric ceramic. <i>Journal of Applied Physics</i> , 2007 , 101, 104103	2.5	47
50	Structural transformation and ferroelectric-paraelectric phase transition in Bi _{1-x} LaxFeO ₃ (x=0.0-0.25) multiferroic ceramics. <i>Journal Physics D: Applied Physics</i> , 2007 , 40, 1196-1200	3	132
49	High magnetostriction at low fields of epoxy/Tb _{1-x} Prx(Fe _{0.4} Co _{0.6}) _{1.9} composites. <i>Journal of Alloys and Compounds</i> , 2007 , 427, 271-274	5.7	14
48	Reduced ferroelectric coercivity in multiferroic Bi _{0.825} Nd _{0.175} FeO ₃ thin film. <i>Journal of Applied Physics</i> , 2007 , 101, 024106	2.5	119
47	A 64-kHz sandwich transducer fabricated using pseudo 1-3 magnetostrictive composite. <i>IEEE Transactions on Magnetics</i> , 2006 , 42, 47-50	2	14
46	Large Magnetostriction in Epoxy-Bonded Terfenol-D Continuous-Fiber Composite With [112] Crystallographic Orientation. <i>IEEE Transactions on Magnetics</i> , 2006 , 42, 3111-3113	2	14
45	Magnetic and Magnetostrictive Properties of Tb _x Dy _{1-x} Pr _{0.3} (Fe _{0.9} B _{0.1}) _{1.93} Compounds and Their Composites. <i>IEEE Transactions on Magnetics</i> , 2006 , 42, 3114-3116	2	9
44	Dielectric, Magnetic and Magnetoelectric Properties of a Laminated Composite with 1-3 Connection. <i>Solid State Phenomena</i> , 2006 , 111, 147-150	0.4	13
43	Magnetoelectric effect in laminate composite of magnets/0.7Pb(Mg ₁ Nb ₂)O ₃ 0.3PbTiO ₃ single crystal. <i>Applied Physics Letters</i> , 2006 , 88, 142504	3.4	14
42	Spin configuration and magnetostrictive properties of Laves compounds Tb _x Dy _{0.7} Pr _{0.3} (Fe _{0.9} B _{0.1}) _{1.93} (0.10?x?0.28). <i>Journal of Applied Physics</i> , 2006 , 100, 023904	2.5	20
41	Enhanced magnetoelectric effect in Terfenol-D and flextensional cymbal laminates. <i>Applied Physics Letters</i> , 2006 , 88, 182906	3.4	33
40	Enhanced piezoelectric and pyroelectric effects in single-phase multiferroic Bi _{1-x} NdxFeO ₃ (x=0.0-0.15) ceramics. <i>Applied Physics Letters</i> , 2006 , 88, 062905	3.4	184
39	Large Magnetostriction in Epoxy-Bonded Terfenol-D Continuous-Fiber Composites with [112] Crystallographic Orientation 2006 ,		1
38	Converse magnetoelectric effect in laminated composites of PMNBT single crystal and Terfenol-D alloy. <i>Applied Physics Letters</i> , 2006 , 88, 242902	3.4	113
37	Structural transformation and ferroelectromagnetic behavior in single-phase Bi _{1-x} NdxFeO ₃ multiferroic ceramics. <i>Applied Physics Letters</i> , 2006 , 89, 052905	3.4	416
36	Multiferroicity in polarized single-phase Bi _{0.875} Sm _{0.125} FeO ₃ ceramics. <i>Journal of Applied Physics</i> , 2006 , 100, 024109	2.5	246
35	Multiferroic Properties of Single-Phase Bi _{0.85} La _{0.15} FeO ₃ Lead-Free Ceramics. <i>Journal of the American Ceramic Society</i> , 2006 , 89, 3136-3139	3.8	84
34	Dynamic magnetomechanical properties of Sm _{0.88} Dy _{0.12} Fe _{1.93} /epoxy composites. <i>Journal of Magnetism and Magnetic Materials</i> , 2006 , 304, e439-e441	2.8	7

33	Magnetolectric effect in a parallel sandwich of magnetostrictive pseudo-1B composite and piezoelectric 2B composite. <i>Journal of Magnetism and Magnetic Materials</i> , 2006 , 304, e442-e444	2.8	12
32	Preparation and multi-properties of insulated single-phase BiFeO ₃ ceramics. <i>Solid State Communications</i> , 2006 , 138, 76-81	1.6	152
31	Cymbal actuator fabricated using (Na _{0.46} K _{0.46} Li _{0.08})NbO ₃ lead-free piezoceramic. <i>Journal of Electroceramics</i> , 2006 , 16, 385-388	1.5	10
30	Development of a piezoelectric induced-strain actuator with an innovative internal amplifying structure 2005 , 5764, 22		1
29	TiO ₂ -nonstoichiometry dependence on piezoelectric properties and depolarization temperature of (Bi _{0.5} Na _{0.5}) _{0.94} Ba _{0.06} TiO ₃ lead-free ceramics. <i>Solid State Communications</i> , 2005 , 134, 659-663	1.6	42
28	Magnetoelastic properties of polymer-bonded Sm _{0.88} Dy _{0.12} Fe _{1.93} pseudo-1B composites. <i>Journal of Magnetism and Magnetic Materials</i> , 2005 , 293, 908-912	2.8	7
27	Dynamic magnetoelastic properties of epoxy-bonded terfenol-D particulate composite with a preferred [112] crystallographic orientation. <i>IEEE Transactions on Magnetics</i> , 2005 , 41, 2790-2792	2	14
26	Dynamic magnetomechanical properties of Terfenol-D/epoxy pseudo 1-3 composites. <i>Journal of Applied Physics</i> , 2005 , 97, 10M308	2.5	45
25	Development of smart transducer with embedded sensor for automatic process control of ultrasonic wire bonding. <i>Smart Structures and Systems</i> , 2005 , 1, 47-61		2
24	Gd ₅ Si ₂ Ge ₂ composite for magnetostrictive actuator applications. <i>Applied Physics Letters</i> , 2004 , 84, 4801-4803	1.4	14
23	Hollow and solid spherical magnetostrictive particulate composites. <i>Journal of Applied Physics</i> , 2004 , 96, 3362-3365	2.5	13
22	Structural, magnetic, and magnetostrictive properties of Tb/sub 1-x/Nd/sub x/(Fe/sub 0.9/B/sub 0.1)/sub 2/ alloys. <i>IEEE Transactions on Magnetics</i> , 2004 , 40, 2772-2774	2	15
21	Magnetolectric properties of a heterostructure of magnetostrictive and piezoelectric composites. <i>IEEE Transactions on Magnetics</i> , 2004 , 40, 3042-3044	2	5
20	Spin orientation and spontaneous magnetostriction of multicomponent Tb/sub x/Dy/sub 1-x-y/Pr/sub y/(Fe/sub 0.9/B/sub 0.1)/sub 1.93/ Laves phases. <i>IEEE Transactions on Magnetics</i> , 2004 , 40, 2766-2768	2	1
19	Dynamic magnetomechanical behavior of terfenol-D/epoxy 1-3 particulate composites. <i>IEEE Transactions on Magnetics</i> , 2004 , 40, 71-77	2	62
18	Magnetolectric behavior of Terfenol-D composite and lead zirconate titanate ceramic laminates. <i>IEEE Transactions on Magnetics</i> , 2004 , 40, 2646-2648	2	42
17	Magnetolectric Effect in Magnetostrictive/Polymer and Piezoelectric Composites 2003 , 341		
16	Magneto-thermo-mechanical characterization of 1B type polymer-bonded Terfenol-D composites. <i>Journal of Magnetism and Magnetic Materials</i> , 2003 , 263, 101-112	2.8	63

15	Effect of combined magnetic bias and drive fields on dynamic magnetomechanical properties of Terfenol-D/epoxy 1B composites. <i>Journal of Magnetism and Magnetic Materials</i> , 2003 , 262, L181-L185	2.8	18
14	Effect of electrode pattern on the outputs of piezosensors for wire bonding process control. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2003 , 99, 121-126	3.1	12
13	Dynamic magnetomechanical properties of [112]-oriented Terfenol-D/epoxy 1B magnetostrictive particulate composites. <i>Journal of Applied Physics</i> , 2003 , 93, 8510-8512	2.5	45
12	Dynamic Magnetomechanical Properties of Terfenol-D/Epoxy 1-3 Particulate Composites 2002 , 65		
11	Dynamic magnetomechanical behavior of Terfenol-D/epoxy 1-3 composite 2002 , 4699, 451		7
10	Resonance characteristics of lead zirconate titanate/epoxy 1B composite rings. <i>Ferroelectrics</i> , 2001 , 263, 217-222	0.6	1
9	Mode coupling in lead zirconate titanate/epoxy 1B piezocomposite rings. <i>Journal of Applied Physics</i> , 2001 , 90, 4122-4129	2.5	33
8	P(VDF-TrFE) copolymer acoustic emission sensors. <i>Sensors and Actuators A: Physical</i> , 2000 , 80, 237-241	3.9	33
7	Mechanical Quality Factor of Lead Zirconate Titanate/Epoxy Composites. <i>Materials Research Society Symposia Proceedings</i> , 2000 , 628, 1		
6	Effect of tool drop on the performance of a high-frequency piezoelectric wire-bonding transducer system. <i>Ferroelectrics</i> , 1999 , 232, 217-222	0.6	3
5	Sensors for ultrasonic wire bonding process control. <i>Ferroelectrics</i> , 1999 , 232, 211-216	0.6	4
4	Ultrasonic wire-bond quality monitoring using piezoelectric sensor. <i>Sensors and Actuators A: Physical</i> , 1998 , 65, 69-75	3.9	42
3	Dynamics of an ultrasonic transducer used for wire bonding. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 1998 , 45, 1453-60	3.2	29
2	Performance study of an ultrasonic transducer used for wire bonding 1998 ,		1
1	Revisit of wirebonding on immersion silver-finish board		2