

Dwight Viehland

List of Publications by Year in descending order

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papers

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14482
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#	ARTICLE	IF	CITATIONS
1	A Passive Tunable Magnetolectric Gyator: A Highly Efficient Approach to Non-Power Consumable Capacitor Control Methods. IEEE Transactions on Industrial Electronics, 2021, 68, 1646-1653.	5.2	8
2	Dephasing of transverse spin current in ferrimagnetic alloys. Physical Review B, 2021, 103, .	1.1	19
3	Magnetolectricity in vertically aligned nanocomposites: Past, present, and future. MRS Bulletin, 2021, 46, 123-130.	1.7	5
4	A Piezoelectric Mn-Doped PMN-PT/Metglas Magnetolectric Gyator: Enhanced Power Efficiency at Reduced Size. IEEE Sensors Journal, 2020, 20, 752-759.	2.4	5
5	Multi-layered domain morphology in relaxor single crystals with nano-patterned composite electrode. Acta Materialia, 2020, 182, 10-17.	3.8	18
6	Combining effects of TiO ₆ octahedron rotations and random electric fields on structural and properties in Na _{0.5} Bi _{0.5} TiO ₃ . Journal of the American Ceramic Society, 2020, 103, 3349-3360.	1.9	6
7	Dimension effects of a magnetolectric gyator with FeCoSiB/Pb(Zr,Ti)O ₃ layered composites core for efficient power conversion. Sensors and Actuators A: Physical, 2020, 302, 111815.	2.0	4
8	Large Piezoelectricity in Ternary Lead-Free Single Crystals. Advanced Electronic Materials, 2020, 6, 1900949.	2.6	83
9	Spatial magnetic source detection based on active mode magnetolectric gradiometer with 2D and 3D configurations. Journal Physics D: Applied Physics, 2020, 53, 365002.	1.3	3
10	Estimation of the Intrinsic Power Efficiency in Magnetolectric Laminates Using Temperature Measurements. Sensors, 2020, 20, 3332.	2.1	4
11	Remembering Joanna McKittrick. Journal of the American Ceramic Society, 2020, 103, 2277-2277.	1.9	0
12	Multiferroic Magnetolectric Composites: Historical Perspective, Status, and Future Directions. , 2020, , 191-293.		2
13	Power Conversion Efficiency and Equivalent Input Loss Factor in Magnetolectric Gyators. IEEE Transactions on Industrial Electronics, 2019, 66, 2499-2505.	5.2	21
14	Non-volatility using materials with only volatile properties: Vertically integrated magnetolectric heterostructures and their potential for multi-level-cell devices. Applied Physics Letters, 2019, 114, .	1.5	11
15	Self-assembled epitaxial BiFeO ₃ -Ni _{0.65} Zn _{0.35} Al _{0.8} Fe _{1.2} O ₄ nanobelt heterostructures on SrTiO ₃ : Control of magnetic anisotropy, easy axis, and coercivity. Journal of Applied Physics, 2019, 126, .	1.1	3
16	Mechanical-Induced Polarization Switching in Relaxor Ferroelectric Single Crystals. ACS Applied Materials & Interfaces, 2019, 11, 40758-40768.	4.0	12
17	Depth dependent ferroelectric to incommensurate/commensurate antiferroelectric phase transition in epitaxial lanthanum modified lead zirconate titanate thin films. Applied Physics Letters, 2019, 115, .	1.5	12
18	Phase Modulation Noise of a Magneto(Elasto) Electric Sensor Operating as a Magnetometer in the Non-Linear Regime—Theoretical and Experimental Studies. IEEE Sensors Journal, 2019, 19, 3647-3653.	2.4	4

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19	Apparent phase stability and domain distribution of PMN-30PT single crystals with nanogated Au/MnOx electrodes. Acta Materialia, 2019, 169, 28-35.	3.8	14
20	Nanostructure-enhanced magnetoelectric/magnetostrictive properties and reduced losses in self-assembled epitaxial CuFe_2O_4 - BiFeO_3 layers on $\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3$ -33at% PbTiO_3 crystals. Journal of the American Ceramic Society, 2019, 102, 5192-5202.	1.9	11
21	Electric field induced splitting of the preferred orientation in PMN-PT textured ceramics. Journal of the American Ceramic Society, 2019, 102, 5038-5044.	1.9	4
22	A Low Frequency Mechanical Transmitter Based on Magnetoelectric Heterostructures Operated at Their Resonance Frequency. Sensors, 2019, 19, 853.	2.1	66
23	A dual-output magnetoelectric gyrator. Journal Physics D: Applied Physics, 2019, 52, 065003.	1.3	11
24	Magnetoelectric coupling induced multistate magnetization. Physics Letters, Section A: General, Atomic and Solid State Physics, 2019, 383, 908-910.	0.9	1
25	Depth dependant element analysis of $\text{PbMg}_{1/3}\text{Nb}_{2/3}\text{O}_3$ using muonic x-rays. Journal of Physics Condensed Matter, 2018, 30, 125703.	0.7	7
26	Magnetoelectric gradiometer with enhanced vibration rejection efficiency under H-field modulation. Journal of Applied Physics, 2018, 123, .	1.1	4
27	Nanopillars with E-field accessible multi-state ($N \approx 4$) magnetization having giant magnetization changes in self-assembled BiFeO_3 - CoFe_2O_4 / $\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})$ -38at% PbTiO_3 heterostructures. Scientific Reports, 2018, 8, 1628.	1.6	13
28	Evaluation of magnetomechanical conversion efficiencies in magnetoelectric gyrators. AIP Advances, 2018, 8, 056607.	0.6	3
29	Magnetoelectricity of CoFe_2O_4 and tetragonal phase BiFeO_3 nanocomposites prepared by pulsed laser deposition. Scientific Reports, 2018, 8, 323.	1.6	16
30	Enhanced tunability of magneto-impedance and magneto-capacitance in annealed Metglas/PZT magnetoelectric composites. AIP Advances, 2018, 8, 055803.	0.6	10
31	A Highly Efficient Self-Biased Nickel-Zinc Ferrite/Metglas/PZT Magnetoelectric Gyrator. Physica Status Solidi - Rapid Research Letters, 2018, 12, 1800043.	1.2	18
32	Patterned nano-domains in PMN-PT single crystals. Acta Materialia, 2018, 143, 166-173.	3.8	47
33	Magnetoelectric magnetic field sensors. MRS Bulletin, 2018, 43, 834-840.	1.7	57
34	A review on applications of magnetoelectric composites: from heterostructural uncooled magnetic sensors, energy harvesters to highly efficient power converters. Journal Physics D: Applied Physics, 2018, 51, 263002.	1.3	146
35	Tutorial: Product properties in multiferroic nanocomposites. Journal of Applied Physics, 2018, 124, .	1.1	32
36	Stability enhancement of yttrium substituted nickel zinc ferrite/PZT magnetoelectric gyrators under high power conditions. Applied Physics Letters, 2018, 112, .	1.5	14

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55	Tunable Magnetolectric Bending Resonance for Sensing Static Magnetic Fields. IEEE Sensors Journal, 2016, 16, 662-669.	2.4	8
56	A differential magnetolectric heterostructure: Internal noise reduction and external noise cancellation. Journal of Applied Physics, 2015, 118, 214103.	1.1	12
57	Mechanical Noise Limit of a Strain-Coupled Magneto(Elasto)electric Sensor Operating Under a Magnetic or an Electric Field Modulation. IEEE Sensors Journal, 2015, 15, 1575-1587.	2.4	26
58	Sensitivity and Noise Evaluation of a Bonded Magneto(elasto) Electric Laminated Sensor Based on In-Plane Magnetocapacitance Effect for Quasi-Static Magnetic Field Sensing. IEEE Transactions on Magnetics, 2015, 51, 1-4.	1.2	15
59	Giant strain with ultra-low hysteresis and high temperature stability in grain oriented lead-free $K0.5Bi0.5TiO3-BaTiO3-Na0.5Bi0.5TiO3$ piezoelectric materials. Scientific Reports, 2015, 5, 8595.	1.6	92
60	Anatomy of vertical heteroepitaxial interfaces reveals the memristive mechanism in $Nb2O5-NaNbO3$ thin films. Scientific Reports, 2015, 5, 9229.	1.6	10
61	Magnetolectric quasi-(0-3) nanocomposite heterostructures. Nature Communications, 2015, 6, 6680.	5.8	89
62	Influence of Conductivity on Raman Scattering Intensity in Li-modified $AgNbO_3$ Crystals. Ferroelectrics, 2014, 470, 212-220.	0.3	2
63	Phase coexistence and transformations in field-cooled ternary piezoelectric single crystals near the morphotropic phase boundary. Applied Physics Letters, 2014, 105, .	1.5	8
64	Piezoelectric single crystal and magnetostrictive Metglas composites: Linear and nonlinear magnetolectric coupling. Applied Physics Letters, 2014, 104, 142909.	1.5	5
65	Electric-field induced strain modulation of magnetization in $Fe-Ga/Pb(Mg_{1/3}Nb_{2/3})-PbTiO_3$ magnetolectric heterostructures. Journal of Applied Physics, 2014, 115, .	1.1	7
66	Giant magnetolectric effect in nonlinear Metglas/PIN-PMN-PT multiferroic heterostructure. Applied Physics Letters, 2014, 105, 152902.	1.5	33
67	Evolution of structure in $Na0.5Bi0.5TiO_3$ single crystals with $BaTiO_3$. Applied Physics Letters, 2014, 105, .	1.5	28
68	Electrical and thermal control of magnetic coercive field in ferromagnetic/ferroelectric heterostructures. Physical Review B, 2014, 89, .	1.1	30
69	Controlling the strain state in epitaxial thin films: A case study of $CoFe_2O_4$ films on $PbTiO_3$. Physical Review B, 2014, 90, .	1.1	19
70	Investigations on the Equivalent Magnetic Noise of Magneto(Elasto)Electric Sensors by Using Modulation Techniques. Key Engineering Materials, 2014, 605, 344-347.	0.4	1
71	High non-linear magnetolectric coefficient in Metglas/PMN-PT laminate composites under zero direct current magnetic bias. Journal of Applied Physics, 2014, 115, .	1.1	26
72	Theoretical Intrinsic Equivalent Magnetic Noise Evaluation for Magneto (Elasto) Electric Sensors Using Modulation Techniques. IEEE Sensors Journal, 2014, 14, 150-158.	2.4	16

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73	Magnetolectric Assisted 180° Magnetization Switching for Electric Field Addressable Writing in Magnetoresistive Random-Access Memory. ACS Nano, 2014, 8, 7793-7800.	7.3	50
74	Magnetolectrics for magnetic sensor applications: status, challenges and perspectives. Materials Today, 2014, 17, 269-275.	8.3	282
75	Engineered Magnetic Shape Anisotropy in BiFeO ₃ ∕CoFe ₂ O ₄ Self-Assembled Thin Films. ACS Nano, 2013, 7, 3447-3456.	7.3	70
76	Volatile and nonvolatile magnetic easy-axis rotation in epitaxial ferromagnetic thin films on ferroelectric single crystal substrates. Applied Physics Letters, 2013, 103, .	1.5	42
77	Flux distraction effect on magnetolectric laminate sensors and gradiometer. Journal of Applied Physics, 2013, 114, 134104.	1.1	3
78	Lead-free and lead-based perovskite relaxors with mixed-valence site and monolithic magnetolectric heterostructure with enhanced ferroelectric and piezoelectric properties and tunable magnetic properties. Materials Letters, 2013, 113, 159-162.	1.1	62
79	Monolithic magnetolectric heterostructure with enhanced ferroelectric and piezoelectric properties and tunable magnetic properties. Materials Letters, 2013, 113, 159-162.	1.3	3
80	Direct evidence of correlations between relaxor behavior and polar nano-regions in relaxor ferroelectrics: A case study of lead-free piezoelectrics Na _{0.5} Bi _{0.5} TiO ₃ -x%BaTiO ₃ . Applied Physics Letters, 2013, 103, .	1.5	50
81	Study of the pressure-induced low-to-high phase transition in the highly magnetostrictive Fe _{0.81} Ga _{0.19} alloy. Physical Review B, 2013, 87, 014107.	1.1	3
82	Optical crystallographic study of piezoelectric KxNa1-xNbO ₃ (x = 0.4, 0.5 and 0.6) single crystals using linear birefringence. CrystEngComm, 2013, 15, 6790.	1.3	17
83	Nonlinear magnetolectric response of a Metglas/piezofiber laminate to a high-frequency bipolar AC magnetic field. Applied Physics Letters, 2013, 102, .	1.5	22
84	Stress reconfigurable tunable magnetolectric resonators as magnetic sensors. Applied Physics Letters, 2013, 102, .	1.5	27
85	Giant magnetolectric effect in self-biased laminates under zero magnetic field. Applied Physics Letters, 2013, 102, .	1.5	102
86	Mechanical loss and magnetolectric response in magnetostrictive/integrated-electrode/piezoelectric laminated resonators. Journal of Applied Physics, 2013, 113, .	1.1	7
87	Piezomagnetic strain-dependent non-linear magnetolectric response enhancement by flux concentration effect. Applied Physics Letters, 2013, 102, 172904.	1.5	26
88	Alternating and direct current field effects on the structure-property relationships in Na _{0.5} Bi _{0.5} TiO ₃ -x%BaTiO ₃ textured ceramics. Applied Physics Letters, 2013, 102, .	1.5	10
89	Effective optimization of magnetic noise for a Metglas/Pb(Zr,Ti)O ₃ magnetolectric sensor array in an open environment. Materials Letters, 2013, 91, 307-310.	1.3	9
90	Structural dependence of nonlinear magnetolectric effect for magnetic field detection by frequency modulation. Journal of Applied Physics, 2013, 114, .	1.1	9

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91	Expected Equivalent Magnetic Noise Spectral Density of Magnetolectric Composites as Magnetic sensors: From Theory to Experiments. Materials Research Society Symposia Proceedings, 2012, 1398, 21.	0.1	4
92	Piezoelectric properties of epitaxial Pb(Zr _{0.525} , Ti _{0.475})O ₃ films on amorphous magnetic metal substrates. Journal of Applied Physics, 2012, 111, 07D916.	1.1	8
93	Dependence of magnetic field sensitivity of a magnetolectric laminate sensor pair on separation distance: Effect of mutual inductance. Journal of Applied Physics, 2012, 111, .	1.1	12
94	Theoretical model for geometry-dependent magnetolectric effect in magnetostrictive/piezoelectric composites. Journal of Applied Physics, 2012, 111, .	1.1	38
95	Modeling of resonant magneto-electric effect in a magnetostrictive and piezoelectric laminate composite structure coupled by a bonding material. Journal of Applied Physics, 2012, 112, 064109.	1.1	20
96	Self-assembled NaNbO ₃ -Nb ₂ O ₅ (ferroelectric-semiconductor) heterostructures grown on LaAlO ₃ substrates. Applied Physics Letters, 2012, 101, .	1.5	8
97	Epitaxial growth of Pb(Zr _{0.53} Ti _{0.47})O ₃ films on Pt coated magnetostrictive amorphous metallic substrates toward next generation multiferroic heterostructures. Journal of Applied Physics, 2012, 111, 064104.	1.1	8
98	Investigation of vehicle induced magnetic anomaly by triple-axis magnetolectric sensors. Smart Materials and Structures, 2012, 21, 115007.	1.8	15
99	Crystallographic direction dependence of direct current field induced strain and phase transitions in Na _{0.5} Bi _{0.5} TiO ₃ -x%BaTiO ₃ single crystals near the morphotropic phase boundary. Applied Physics Letters, 2012, 101, .	1.5	31
100	Giant resonant magnetolectric effect in bi-layered Metglas/Pb(Zr,Ti)O ₃ composites. Journal of Applied Physics, 2012, 112, .	1.1	37
101	Equivalent magnetic noise in magnetolectric laminate composites: A review. , 2012, , .		1
102	A monoclinic-tetragonal ferroelectric phase transition in lead-free (K _{0.5} Na _{0.5})NbO ₃ -x%LiNbO ₃ solid solution. Journal of Applied Physics, 2012, 111, 103503. Evidence for anisotropic polar nanoregions in relaxor Pb(Mg _{1-x} Bi _x) ₂ Ti ₂ O ₉ . Physical Review B, 2012, 86, .	1.1	52
103		1.1	22
104	Thermal stability of magnetolectric sensors. Applied Physics Letters, 2012, 100, 173505.	1.5	31
105	Giant converse magnetolectric effect in multi-push-pull mode Metglas/Pb(Zr,Ti)O ₃ /Metglas laminates. Applied Physics Letters, 2012, 100, .	1.5	20
106	Theoretical modelling of magnetolectric effects in multi-push-pull mode Metglas/piezo-fibre laminates. Journal Physics D: Applied Physics, 2012, 45, 355002.	1.3	17
107	Controlled growth of epitaxial BiFeO ₃ films using self-assembled BiFeO ₃ -CoFe ₂ O ₄ multiferroic heterostructures as a template. Applied Physics Letters, 2012, 101, .	1.5	29
108	Geometry-induced magnetolectric effect enhancement and noise floor reduction in Metglas/piezofiber sensors. Applied Physics Letters, 2012, 101, 092905.	1.5	32

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109	Quasi-static ($f < 10^2 \text{ Hz}$) frequency response of magnetoelectric composites based magnetic sensor. <i>Materials Letters</i> , 2012, 85, 84-87.	1.3	27
110	Geomagnetic field tuned frequency multiplication in Metglas/Pb(Zr, Ti)O ₃ heterostructure. <i>Materials Letters</i> , 2012, 88, 47-50.	1.3	12
111	Influence of interfacial bonding condition on magnetoelectric properties in piezofiber/Metglas heterostructures. <i>Journal of Alloys and Compounds</i> , 2012, 513, 242-244.	2.8	44
112	Improvement of magnetoelectric properties in Metglas/Pb(Mg _{1/3} Nb _{2/3})O ₃ -PbTiO ₃ laminates by poling optimization. <i>Journal of Alloys and Compounds</i> , 2012, 519, 1-3.	2.8	26
113	Phase switching at low field and large sustainable strain output in domain engineered ferroic crystals. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2012, 209, 2108-2113.	0.8	11
114	Large dielectric tunability in Na _{0.5} Bi _{0.5} TiO ₃ -x%BaTiO ₃ single crystals. <i>Physica Status Solidi - Rapid Research Letters</i> , 2012, 6, 397-399.	1.2	1
115	Aging associated domain evolution in the orthorhombic phase of λ -textured (K _{0.5} Na _{0.5})Nb _{0.97} Sb _{0.03} O ₃ ceramics. <i>Applied Physics Letters</i> , 2012, 100, .	1.5	14
116	Theoretical and experimental investigation of magnetoelectric effect for bending-tension coupled modes in magnetostrictive-piezoelectric layered composites. <i>Journal of Applied Physics</i> , 2012, 112, .	1.1	44
117	Role of coexisting tetragonal regions in the rhombohedral phase of Na _{0.5} Bi _{0.5} TiO ₃ -xat.%BaTiO ₃ crystals on enhanced piezoelectric properties on approaching the morphotropic phase boundary. <i>Applied Physics Letters</i> , 2012, 100, .	1.5	58
118	Domain rotation induced strain effect on the magnetic and magneto-electric response in CoFe ₂ O ₄ /Pb(Mg,Nb)O ₃ -PbTiO ₃ heterostructures. <i>Journal of Applied Physics</i> , 2012, 111, 034108.	1.1	34
119	Magnetic field dependence of the effective permittivity in multiferroic composites. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2012, 209, 2059-2062.	0.8	21
120	Phase-controlled epitaxial growth of iron oxide thin films on MgO(001) and LaAlO ₃ (001) substrates. <i>Physica Status Solidi - Rapid Research Letters</i> , 2012, 6, 89-91.	1.2	2
121	Tunable magnetic anisotropy of CoFe ₂ O ₄ nanopillar arrays released from BiFeO ₃ matrix. <i>Physica Status Solidi - Rapid Research Letters</i> , 2012, 6, 92-94.	1.2	9
122	Electric-field tuning of magnetoelectric properties in Metglas/piezofiber composites. <i>Physica Status Solidi - Rapid Research Letters</i> , 2012, 6, 265-267.	1.2	10
123	Magnetoelectric properties of flexible BiFeO ₃ /Ni tapes. <i>Applied Physics Letters</i> , 2012, 101, .	1.5	20
124	Ultralow equivalent magnetic noise in a magnetoelectric Metglas/Mn-doped Pb(Mg _{1/3} Nb _{2/3})O ₃ -PbTiO ₃ heterostructure. <i>Applied Physics Letters</i> , 2012, 101, .	1.5	27
125	Enhanced magnetoelectric effect in self-stressed multi-push-pull mode Metglas/Pb(Zr,Ti)O ₃ /Metglas laminates. <i>Applied Physics Letters</i> , 2012, 101, .	1.5	21
126	Ultrahigh electromechanical response in λ (Na _{0.5} Bi _{0.5})TiO ₃ -x%BaTiO ₃ single-crystals via polarization extension. <i>Journal of Applied Physics</i> , 2012, 111, .	1.1	55

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127	The influence of Mn substitution on the local structure of Na _{0.5} Bi _{0.5} TiO ₃ crystals: Increased ferroelectric ordering and coexisting octahedral tilts. Journal of Applied Physics, 2012, 111, .	1.1	22
128	Enhancement in magnetic field sensitivity and reduction in equivalent magnetic noise by magnetolectric laminate stacks. Journal of Applied Physics, 2012, 111, .	1.1	16
129	Shear-mode magnetostrictive/piezoelectric composite with an enhanced magnetolectric coefficient. Applied Physics Letters, 2012, 100, .	1.5	38
130	Self-powered low noise magnetic sensor. Materials Letters, 2012, 82, 178-180.	1.3	14
131	Investigation on the Magnetic Noise of Stacked Magnetostrictive-Piezoelectric Laminated Composites. Sensor Letters, 2012, 10, 961-965.	0.4	11
132	Raman spectroscopic study of Na _{1/2} Bi _{1/2} TiO _{3-x%BaTiO₃} single crystals as a function of temperature and composition. Journal of Applied Physics, 2011, 109, .	1.1	87
133	Magneto-Electro-Chemical Behavior of BaTiO ₃ -CoFe ₂ O ₄ Self-Assembled Thin Films. Journal of the Electrochemical Society, 2011, 158, K149.	1.3	7
134	Giant magnetolectric torque effect and multicoupling in two phases ferromagnetic/piezoelectric system. Journal of Applied Physics, 2011, 110, .	1.1	38
135	Magnetolectric nonlinearity in magnetolectric laminate sensors. Journal of Applied Physics, 2011, 110, .	1.1	42
136	Theoretical analysis of the intrinsic magnetic noise spectral density of magnetostrictive-piezoelectric laminated composites. Journal of Applied Physics, 2011, 109, 124512.	1.1	20
137	Analysis of Noise in Magnetolectric Thin-Layer Composites Used as Magnetic Sensors. IEEE Sensors Journal, 2011, 11, 2183-2188.	2.4	34
138	Improved Sensitivity and Noise in Magneto-Electric Magnetic Field Sensors by Use of Modulated AC Magnetostriction. IEEE Magnetics Letters, 2011, 2, 2500104-2500104.	0.6	62
139	Evaluation of Applied Axial Field Modulation Technique on ME Sensor Input Equivalent Magnetic Noise Rejection. IEEE Sensors Journal, 2011, 11, 2266-2272.	2.4	38
140	Effect of Mn substituents on the domain and local structures of Na _{1/2} Bi _{1/2} TiO ₃ â€“BaTiO ₃ single crystals near a morphotropic phase boundary. Applied Physics Letters, 2011, 98, .	1.5	30
141	Enhanced sensitivity to direct current magnetic field changes in Metglas/Pb(Mg _{1/3} Nb _{2/3})O ₃ â€“PbTiO ₃ laminates. Journal of Applied Physics, 2011, 109, .	1.1	70
142	Enhancing the sensitivity of magnetolectric sensors by increasing the operating frequency. Journal of Applied Physics, 2011, 110, .	1.1	50
143	Nucleation of Rhombohedral Regions Within a Tetragonal Matrix in Mnâ€“Doped Na _{0.5} Bi _{0.5} TiO ₃ Crystals: Origins of a Diffuse Transformation, Thermal Hysteresis, and Isotropization. Journal of the American Ceramic Society, 2011, 94, 478-481.	1.9	2
144	Domain Evolution in PbMg _{1/3} Nb _{2/3} O ₃ -60at%PbTiO ₃ with Temperature and Electric Field. Journal of the American Ceramic Society, 2011, 94, 2479-2482.	1.9	15

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145	Influence of BaTiO ₃ Content on the Structure and Properties of Na _{0.5} Bi _{0.5} TiO ₃ Crystals. Journal of the American Ceramic Society, 2011, 94, 3084-3087.	1.9	21
146	Enhanced Sensitivity and Reduced Noise Floor in Magnetolectric Laminate Sensors by an Improved Lamination Process. Journal of the American Ceramic Society, 2011, 94, 3738-3741.	1.9	58
147	Analysis of the environmental magnetic noise rejection by using two simple magnetolectric sensors. Sensors and Actuators A: Physical, 2011, 171, 63-68.	2.0	19
148	Effect of heat treatment on the properties of Metglas foils, and laminated magnetolectric composites made thereof. Materials Research Bulletin, 2011, 46, 266-270.	2.7	14
149	When Pt meets BaTiO ₃ : Interaction between metal nanoparticles and oxide thin films. Materials Letters, 2011, 65, 1207-1210.	1.3	1
150	Equivalent magnetic noise in magnetolectric Metglas/Pb(Mg _{1/3} Nb _{2/3})O ₃ â€PbTiO ₃ laminate composites. Physica Status Solidi - Rapid Research Letters, 2011, 5, 232-234.	1.2	24
151	Inâ€situ Xâ€ray diffraction study of an electric field induced phase transition and giant strain in Na _{0.5} Bi _{0.5} TiO ₃ â€ <i>x</i> %BaTiO ₃ leadâ€free single crystals. Physica Status Solidi - Rapid Research Letters, 2011, 5, 356-358.	1.2	11
152	Strong magnetolectric coupling in highly oriented ZnO films deposited on Metglas substrates. Physica Status Solidi - Rapid Research Letters, 2011, 5, 391-393.	1.2	15
153	An Extremely Low Equivalent Magnetic Noise Magnetolectric Sensor. Advanced Materials, 2011, 23, 4111-4114.	11.1	323
154	Electric field dependent phase stability and structurally bridging orthorhombic phase in crystals near the MPB. Solid State Communications, 2011, 151, 71-74.	0.9	15
155	Magnetolectric effect in crystallographically textured BaTiO ₃ films deposited on ferromagnetic metallic glass foils. Journal of Applied Physics, 2011, 109, .	1.1	24
156	Giant electric field controlled magnetic anisotropy in epitaxial BiFeO ₃ -CoFe ₂ O ₄ thin film heterostructures on single crystal Pb(Mg _{1/3} Nb _{2/3}) _{0.7} Ti _{0.3} O ₃ substrate. Applied Physics Letters, 2011, 99, .	1.5	65
157	Enhanced dc magnetic field sensitivity by improved flux concentration in magnetolectric laminates. Applied Physics Letters, 2011, 99, .	1.5	41
158	Controlled synthesis of MnFe ₂ O ₄ â€Ni coreâ€shell nanoparticles. Journal of Materials Science, 2010, 45, 1419-1424.	1.7	4
159	Multi-orientation patterned deposition of BaTiO ₃ thin films using an Au buffer layer. Thin Solid Films, 2010, 518, 5806-5809.	0.8	7
160	Coaxial Multiferroic Nanorod Arrays. Journal of the American Ceramic Society, 2010, 93, 362-364.	1.9	5
161	Influence of Mn Doping on the Structure and Properties of Na _{0.5} Bi _{0.5} TiO ₃ Single Crystals. Journal of the American Ceramic Society, 2010, 93, 1372-1377.	1.9	39
162	Hybrid Twoâ€Phase Magnetic Nanorod Grains. Journal of the American Ceramic Society, 2010, 93, 3803-3807.	1.9	0

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163	Magnetic and magnetoelectric properties of as-deposited and annealed BaTiO ₃ â€“CoFe ₂ O ₄ nanocomposite thin films. Journal Physics D: Applied Physics, 2010, 43, 285002.	1.3	33
164	Interplay between static and dynamic polar correlations in relaxorPb(Mg _{1/3} Nb _{2/3})O ₃ . Physical Review B, 2010, 81, .	1.1	55
165	Comparison of noise floor and sensitivity for different magnetoelectric laminates. Journal of Applied Physics, 2010, 108, .	1.1	52
166	Hierarchical domains in Na _{1/2} Bi _{1/2} TiO ₃ single crystals: Ferroelectric phase transformations within the geometrical restrictions of a ferroelastic inheritance. Applied Physics Letters, 2010, 96, .	1.5	58
167	Control of magnetic and electric responses with electric and magnetic fields in magnetoelectric heterostructures. Applied Physics Letters, 2010, 96, 222508.	1.5	26
168	Observation of partially incoherent 110 boundaries between polar nanodomains in Na _{1/2} Bi _{1/2} TiO ₃ single crystals. Journal of Applied Physics, 2010, 108, 064114.	1.1	14
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170	Nanoscale precipitates in magnetostrictive Fe _{1-x} Ga _x alloys for 0.1<x<0.23. Journal of Alloys and Compounds, 2010, 501, 148-153.	2.8	21
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