Zhuo Xu

List of Publications by Year in descending order

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281	12,121	44069	29157
papers	citations	48 h-index	104 g-index

282	282	282	6914
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Frequency dependence of antiferroelectricferroelectric phase transition of PLZST ceramic. Journal of the American Ceramic Society, 2022, 105, 2634-2645.	3.8	6
2	A Time-Modulated Transparent Nonlinear Active Metasurface for Spatial Frequency Mixing. Materials, 2022, 15, 873.	2.9	1
3	Suspended Metasurface for Broadband High-Efficiency Vortex Beam Generation. Materials, 2022, 15, 707.	2.9	8
4	High-Performance Curved Piezoelectric Single-Crystal Composites via 3D-Printing-Assisted Dice and Insert Technology for Underwater Acoustic Transducer Applications. ACS Applied Materials & Interfaces, 2022, 14, 8137-8145.	8.0	12
5	Fabrication of Wideband Lowâ€Profile Dielectric Patch Antennas from Temperature Stable 0.65 CaTiO₃â€“0.35 LaAlO₃ Microwave Dielectric Ceramic. Advanced Electronic Materials, 2022, 8, .	5.1	18
6	Optical Induction and Erasure of Ferroelectric Domains in Tetragonal PMNâ€38PT Crystals. Advanced Optical Materials, 2022, 10, 2102115.	7.3	10
7	Achieving both high electromechanical properties and temperature stability in textured PMNâ€PT ceramics. Journal of the American Ceramic Society, 2022, 105, 3322-3330.	3.8	18
8	Ferroelectric crystals with giant electro-optic property enabling ultracompact Q-switches. Science, 2022, 376, 371-377.	12.6	46
9	Transmissionâ€“Reflection-Integrated Metasurfaces Design for Simultaneous Manipulation of Phase and Amplitude. IEEE Transactions on Antennas and Propagation, 2022, 70, 6072-6077.	5.1	7
10	Transmissionâ€type 1â€bit coding metasurfaces with linearâ€toâ€circular polarization conversion using couplingâ€propagationâ€decoupling unit cells. International Journal of RF and Microwave Computer-Aided Engineering, 2022, 32, .	1.2	1
11	Coral-like Polypyrrole/LiFe₅O₈/MoS₂ Nanocomposites for High-Efficiency Microwave Absorbers. ACS Applied Nano Materials, 2022, 5, 7944-7953.	5.0	11
12	Enhanced Piezoelectric Properties and Improved Property Uniformity in Ndâ€Doped PMNâ€PT Relaxor Ferroelectric Single Crystals. Advanced Functional Materials, 2022, 32, .	14.9	16
13	Two-photon superbunching effect of broadband chaotic light at the femtosecond timescale based on a cascaded Michelson interferometer. Physical Review A, 2021, 103, .	2.5	6
14	High output power density and strong vibration durability in a modified barbell-shaped energy harvester based on multilayer Pb(In1/2Nb1/2)O3â€“Pb(Mg1/3Nb2/3)O3â€“PbTiO3 single crystals. APL Materials, 2021, 9, .	5.1	11
15	Textured ferroelectric ceramics with high electromechanical coupling factors over a broad temperature range. Nature Communications, 2021, 12, 1414.	12.8	71
16	Band-Pass Filtering Cross-Polarization Converter Using Transmitarrays. Materials, 2021, 14, 2109.	2.9	4
17	Dielectric resonator antenna with Y₃Al₅O₁₂ transparent dielectric ceramics for 5G millimeterâ€wave applications. Journal of the American Ceramic Society, 2021, 104, 4659-4668.	3.8	41
18	Miniaturization of Monopole Antenna Based on Spoof Surface Plasmon Polaritons. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 1562-1566.	4.0	6

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19	High-Quality-Factor AlON Transparent Ceramics for 5 GHz Wi-Fi Aesthetically Decorative Antennas. ACS Applied Materials & Interfaces, 2021, 13, 46866-46874.	8.0	16
20	SBL-Based 2-D DOA Estimation for L-Shaped Array With Unknown Mutual Coupling. IEEE Access, 2021, 9, 70071-70079.	4.2	4
21	Hole-Pinned Defect Clusters for a Large Dielectric Constant up to GHz in Zinc and Niobium Codoped Rutile SnO₂. ACS Applied Materials & Interfaces, 2021, 13, 54124-54132.	8.0	9
22	Achieve ultrahigh energy storage performance in BaTiO3â€“Bi(Mg1/2Ti1/2)O3 relaxor ferroelectric ceramics via nano-scale polarization mismatch and reconstruction. Nano Energy, 2020, 67, 104264.	16.0	320
23	PLZST antiferroelectric ceramics with promising energy storage and discharge performance for high power applications. Journal of the American Ceramic Society, 2020, 103, 1831-1838.	3.8	56
24	Low-profile SSPP antenna with vertical polarization and omnidirectional radiation. , 2020, , .		1
25	Structure-Driven, Ferroelectric Wake-Up Effect for Electrical Fatigue Relief. Chemistry of Materials, 2020, 32, 6456-6463.	6.7	12
26	Impact of alternating current electric field poling on piezoelectric and dielectric properties of Pb(In1/2Nb1/2)O3â€“Pb(Mg1/3Nb2/3)O3â€“PbTiO3 ferroelectric crystals. Journal of Applied Physics, 2020, 128, .	2.5	44
27	Grain-orientation-engineered multilayer ceramic capacitors for energy storage applications. Nature Materials, 2020, 19, 999-1005.	27.5	347
28	High thermally stable dielectric permittivity, polarization enhancement and electrostrictive properties in Zr-substituted bismuth sodium titanate lead-free ferroelectric ceramics. Ceramics International, 2020, 46, 22889-22899.	4.8	16
29	Effect of anisotropy on phononic band structure and figure of merit of pentamode metamaterials. Journal of Applied Physics, 2020, 127, 124903.	2.5	14
30	All-Optical Naked-Eye Ghost Imaging. Scientific Reports, 2020, 10, 2493.	3.3	6
31	Transparent ferroelectric crystals with ultrahigh piezoelectricity. Nature, 2020, 577, 350-354.	27.8	360
32	Three-Dimensional Imaging via Time-Correlated Single-Photon Counting. Applied Sciences (Switzerland), 2020, 10, 1930.	2.5	9
33	A True Polarization-Independence Metasurface for Wideband RCS Reduction. , 2020, , .		1
34	Phase transition behavior and high electrostrictive strains in Bi(Li0.5Nb0.5)O3-doped lead magnesium niobate-based solid solutions. Journal of Alloys and Compounds, 2019, 806, 206-214.	5.5	14
35	Generation of a microwave beam with both orbital and spin angular momenta using a transparent metasurface. Journal of Applied Physics, 2019, 126, .	2.5	15
36	Thermally stable electrostrains and composition-dependent electrostrictive coefficient Q33 in lead-free ferroelectric ceramics. Ceramics International, 2019, 45, 22854-22861.	4.8	29

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37	Radiation Pattern Reshaping of Mircostrip Antennas Based on Spoof Surface Plasmon Polaritons Mode Coupling. , 2019, , .		0
38	Ultrahigh-Speed Color Imaging with Single-Pixel Detectors at Low Light Level. Physical Review Applied, 2019, 12, .	3.8	31
39	Morphotropic phase boundary-like properties in a ferroelectric-paraelectric nanocomposite. Journal of Applied Physics, 2019, 126, .	2.5	4
40	Wideband and low-profile transmitarray antenna using transmissive metasurface. Journal of Applied Physics, 2019, 125, .	2.5	17
41	Grain size engineered lead-free ceramics with both large energy storage density and ultrahigh mechanical properties. Nano Energy, 2019, 58, 768-777.	16.0	457
42	Phase transitions in tantalum-modified silver niobate ceramics for high power energy storage. Journal of Materials Chemistry A, 2019, 7, 834-842.	10.3	185
43	Ferroelectric transitions in silver niobate ceramics. Journal of Materials Chemistry C, 2019, 7, 1028-1034.	5.5	32
44	Manipulation of Oxygen Vacancy for High Photovoltaic Output in Bismuth Ferrite Films. ACS Applied Materials & Interfaces, 2019, 11, 23372-23381.	8.0	62
45	Ferroelectric polarization tuning the photovoltaic and diode-like effect of the Ni, Sm co-doped BiFeO3 film capacitors. Journal of Materials Science: Materials in Electronics, 2019, 30, 12163-12169.	2.2	8
46	Effects of compressive stress on electric-field-induced phase transition of antiferroelectric ceramics. Journal of Applied Physics, 2019, 125, 204104.	2.5	5
47	Lead-Free Bilayer Thick Films with Giant Electrocaloric Effect near Room Temperature. ACS Applied Materials & Interfaces, 2019, 11, 23346-23352.	8.0	32
48	A new family of sodium niobate-based dielectrics for electrical energy storage applications. Journal of the European Ceramic Society, 2019, 39, 2899-2907.	5.7	144
49	Ultra-slim pinched polarization-electric field hysteresis loops and thermally stable electrostrains in lead-free sodium bismuth titanate-based solid solutions. Journal of Alloys and Compounds, 2019, 788, 1182-1192.	5.5	37
50	The impact of surface plasma on the total emission charge fromÂPZST cathode induced by nanosecond electric pulse. Pramana - Journal of Physics, 2019, 92, 1.	1.8	0
51	Achieve single domain state in (111)-oriented rhombohedral phase PMN-PT relaxor ferroelectric single crystals for electro-optical application. Applied Physics Letters, 2019, 115, .	3.3	7
52	Analysis of Complementary Metasurfaces Based on the Babinet Principle. IEEE Microwave and Wireless Components Letters, 2019, 29, 8-10.	3.2	7
53	Generation of Multiple Modes Microwave Vortex Beams Using Active Metasurface. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 59-63.	4.0	53
54	Multiform frequency selective surfaces optimal design based on topology optimization. International Journal of RF and Microwave Computer-Aided Engineering, 2019, 29, e21491.	1.2	4

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55	Symmetry-mode analysis for intuitive observation of structureâ€“property relationships in the lead-free antiferroelectric (1â^'x)AgNbO₃â€“xLiTaO₃. IUCrJ, 2019, 6, 740-750.	2.2	11
56	Giant piezoelectricity of Sm-doped Pb(Mg _{1/3} Nb _{2/3})O ₃ -PbTiO ₃ single crystals. Science, 2019, 364, 264-268.	12.6	479
57	Water-based metamaterial absorbers for optical transparency and broadband microwave absorption. Journal of Applied Physics, 2018, 123, .	2.5	81
58	Compositional segregation and electrical properties characterization of [001]- and [011]-oriented co-growth Pb(In1/2Nb1/2)O3-Pb(Mg1/3Nb2/3)O3-PbTiO3 single crystal. Journal of Applied Physics, 2018, 123, 154107.	2.5	19
59	Babinet Principle for Anisotropic Metasurface With Different Substrates Under Obliquely Incident Plane Wave. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 2704-2713.	4.6	14
60	Ghost Imaging Based on Deep Learning. Scientific Reports, 2018, 8, 6469.	3.3	114
61	Low-Profile High-Efficiency Bidirectional Endfire Antenna Based on Spoof Surface Plasmon Polaritons. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 837-840.	4.0	41
62	Resolution Analysis of Spatial Modulation Coincidence Imaging Based on Reflective Surface. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 3762-3771.	6.3	6
63	Ultrahigh piezoelectricity in ferroelectric ceramics by design. Nature Materials, 2018, 17, 349-354.	27.5	874
64	Tangential Network Transmission Theory of Reflective Metasurface With Obliquely Incident Plane Waves. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 64-72.	4.6	18
65	Fabrication and Properties of 5% Ce-Doped BaTiO3 Nanofibers-Based Ceramic. Journal of Electronic Materials, 2018, 47, 1099-1106.	2.2	7
66	Surfactant-tuned phase crystallinity and morphologies of NaYF4:Yb3+,Er3+ hexagonal microstructures and their photoluminescence properties. Journal of Materials Science: Materials in Electronics, 2018, 29, 2463-2470.	2.2	8
67	Temperature and DC bias dependence of the phase transition behavior of [011]- and [001]-oriented PINâ€“PMNâ€“PT single crystals with MPB composition. Journal of Materials Research, 2018, 33, 4053-4061.	2.6	1
68	Measuring Hanbury Brown and Twiss Effect of Multi-Spatial-Mode Thermal Light at Ultrashort Timescale by Two-Photon Absorption. IEEE Photonics Journal, 2018, 10, 1-16.	2.0	3
69	An Ag Decorated P(VDF-CTFE)/BT@HBP@PDA Nanocomposites with Double-Shell Core Structure for High Dielectric Performance. , 2018, , .		1
70	The effect of machining on domain configuration in [001]-oriented tetragonal Pb(Mg1/3Nb2/3)O3â€“PbTiO3 single crystals. Journal of Applied Physics, 2018, 124, 173103.	2.5	2
71	Fast Design of Polarization Independent Metasurfaces for Shaping Electromagnetic Waves. , 2018, , .		0
72	Transparent Metasurface for Generating Microwave Vortex Beams with Cross-Polarization Conversion. Materials, 2018, 11, 2448.	2.9	24

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73	Design of an absorptionâ€“transmission-integrated frequency selective surface using a waveguide array. AIP Advances, 2018, 8, 095024.	1.3	2
74	Radiation Pattern Reconfigurable Waveguide Slot Array Antenna Using Liquid Crystal. International Journal of Antennas and Propagation, 2018, 2018, 1-9.	1.2	5
75	Self-Adaption Matched Filter and Bi-Directional Difference Method for Moving Target Detection. Sensors, 2018, 18, 3177.	3.8	1
76	Radar cross section reduction metasurface based on random phase gradients. Applied Physics B: Lasers and Optics, 2018, 124, 1.	2.2	8
77	Ion dopants tuning the interband electronic structure for huge saturated ferroelectric polarization in bismuth ferrite films. Journal of Sol-Gel Science and Technology, 2018, 88, 618-627.	2.4	9
78	The magnetoelectric effect of the CFO thin film by coupling a P(VDF-co-TrFE) piezoelectric layer. Journal of Applied Physics, 2018, 124, .	2.5	6
79	Design of Frequency Selective Surface Based on Spoof Surface Plasmon Polariton Modes. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 1123-1126.	4.0	14
80	Multilayer Leadâ€Free Ceramic Capacitors with Ultrahigh Energy Density and Efficiency. Advanced Materials, 2018, 30, e1802155.	21.0	392
81	Symmetry changes during relaxation process and pulse discharge performance of the BaTiO3-Bi(Mg1/2Ti1/2)O3 ceramic. Journal of Applied Physics, 2018, 124, .	2.5	31
82	Temperature and DC Bias Dependences of Dielectric Behavior of Different Oriented 0.23PIN-0.52PMN-0.25PT Single Crystals. Journal of Electronic Materials, 2018, 47, 6282-6288.	2.2	2
83	Numerical simulation and analysis of passive intermodulation caused by multipaction. Physics of Plasmas, 2018, 25, .	1.9	15
84	Growth Temperature Dependence of Morphology of GaN Single Crystals in the Na-Li-Ca Flux Method. Journal of Electronic Materials, 2018, 47, 1569-1574.	2.2	6
85	Low radar cross section checkerboard metasurface with a transmission window. Journal of Applied Physics, 2018, 124, .	2.5	28
86	Study on the broadband piezoelectric ceramic transducer based on radial enhanced composite structure. Ceramics International, 2018, 44, S250-S253.	4.8	8
87	Antiferroelectrics: Multilayer Leadâ€Free Ceramic Capacitors with Ultrahigh Energy Density and Efficiency (Adv. Mater. 32/2018). Advanced Materials, 2018, 30, 1870240.	21.0	23
88	Preparation and characterization of Pb(Lu_{1/2}Nb_{1/2})O₃â€“Pb(In_{1/2}Nb_{1/2})O₃â€“PbTiO<sub> ternary ferroelectric ceramics with high phase transition temperatures. Journal of the American Ceramic Society, 2018, 101, 5514-5523.	3.8	13
89	Phonon band structures of the three dimensional latticed pentamode metamaterials. AIP Advances, 2017, 7, .	1.3	7
90	Surfactant-Tuned Phase Structure and Morphologies of Cu2ZnSnS4 Hierarchical Microstructures and Their Visible-Light Photocatalytic Activities. Nanoscale Research Letters, 2017, 12, 181.	5.7	26

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91	Effects of phase transition on discharge properties of <scp>PLZST</scp> antiferroelectric ceramics. Journal of the American Ceramic Society, 2017, 100, 3618-3625.	3.8	48
92	Analysis of High-Efficiency Cross-Polarized Converter at Oblique Incidence. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 2291-2294.	4.0	7
93	Wideband polarization-independent anomalous reflection metasurface with multiple resonance modes. Journal of Advanced Dielectrics, 2017, 07, 1750010.	2.4	7
94	Thermally tunable water-substrate broadband metamaterial absorbers. Applied Physics Letters, 2017, 110, .	3.3	127
95	Comparative study of the pentamodal property of four potential pentamode microstructures. Journal of Applied Physics, 2017, 121, 125110.	2.5	9
96	Pb0.94La0.04[(Zr0.70Sn0.30)0.90Ti0.10]O3 antiferroelectric bulk ceramics for pulsed capacitors with high energy and power density. Applied Physics Letters, 2017, 110, .	3.3	99
97	The Contributions of Polar Nanoregions to the Dielectric and Piezoelectric Responses in Domainâ€Engineered Relaxorâ€PbTiO₃ Crystals. Advanced Functional Materials, 2017, 27, 1700310.	14.9	129
98	Temperature Tuning Mie Resonance-Based All-Dielectric Metamaterial. Journal of Electronic Materials, 2017, 46, 609-615.	2.2	1
99	Colossal permittivity behavior and its origin in rutile (Mg1/3Ta2/3)xTi1-xO2. Scientific Reports, 2017, 7, 9950.	3.3	60
100	Hanbury Brown-Twiss effect without two-photon interference in photon counting regime. Scientific Reports, 2017, 7, 2145.	3.3	6
101	Phase transitions in bismuth-modified silver niobate ceramics for high power energy storage. Journal of Materials Chemistry A, 2017, 5, 17525-17531.	10.3	288
102	Structural Distortion, Spin-Phonon Coupling, Interband Electronic Transition, and Enhanced Magnetization in Rare-Earth-Substituted Bismuth Ferrite. Inorganic Chemistry, 2017, 56, 8964-8974.	4.0	34
103	Dielectric response and percolation behavior of Niâ€“P(VDFâ€“TrFE) nanocomposites. Journal of Advanced Dielectrics, 2017, 07, 1750015.	2.4	10
104	Potassiumâ€“sodium niobate based lead-free ceramics: novel electrical energy storage materials. Journal of Materials Chemistry A, 2017, 5, 554-563.	10.3	472
105	Broadband asymmetric transmission of linearly polarised wave based on bilayered chiral metamaterial. IET Microwaves, Antennas and Propagation, 2017, 11, 171-176.	1.4	10
106	Three-Band Polarization Converter Based on Reflective Metasurface. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 924-927.	4.0	64
107	Metamaterial computational ghost imaging. , 2017, , .		1
108	Critical role of the coupling between the octahedral rotation and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>A</mml:mi></mml:math>-site ionic displacements in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>PbZr</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math>-based antiferroelectric materials investigated byin situneutron diffraction. Physical Review B, 2017, 9	3.2	20

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109	Ultrafast direct measurement of HBT effect by two-photon absorption based on Feynman's path-integral theory. , 2017, , .		1
110	Ultrafast direct measurement of HBT effect between different modes by two-photon absorption. , 2017, , .		1
111	Broadband Circular Polarizer Based on Plasmon Hybridizations. International Journal of Antennas and Propagation, 2017, 2017, 1-10.	1.2	1
112	Design of a Dual-Band Dual-Polarization Transparent Frequency Selective Surface. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 3172-3175.	4.0	13
113	Temperature Dependence of Energy Storage in Pb_{0.90}La_{0.04}Ba_{0.04}[(Zr_{0.7}Sn_{0.3})_{0.88}Ti_{0.12} Antiferroelectric Ceramics. Journal of the American Ceramic Society, 2016, 99, 2984-2988.	3.3	90
114	Wideband helicity dependent spoof surface plasmon polaritons coupling metasurface based on dispersion design. Scientific Reports, 2016, 6, 38460.	3.3	4
115	Effects of Ti content on dielectric and energy storage properties of (Pb0.94La0.04)[(Zr0.70Sn0.30)1â^'xTi_x]O₃ ferroelectric/antiferroelectric ceramics. Journal of Advanced Dielectrics, 2016, 06, 1650033.	2.4	16
116	The origin of ultrahigh piezoelectricity in relaxor-ferroelectric solid solution crystals. Nature Communications, 2016, 7, 13807.	12.8	510
117	High-gain spoof surface plasmon polariton planar antenna based on the phase gradient metasurface. , 2016, , .		0
118	Wideband polarization-independent anomalous reflection mediated by metasurface. , 2016, , .		3
119	Multiband plasmonic filter based on double layer spoof surface plasmon polaritons. , 2016, , .		0
120	Pentamodal behaviors and acoustic bandgaps of asymmetric pentamode elastic metamaterials. International Journal of Modern Physics B, 2016, 30, 1650118.	2.0	4
121	Isolation enhancement of patch antenna array via metamaterial integration. Microwave and Optical Technology Letters, 2016, 58, 2321-2325.	1.4	6
122	Significantly enhanced recoverable energy storage density in potassiumâ€“sodium niobate-based lead free ceramics. Journal of Materials Chemistry A, 2016, 4, 13778-13785.	10.3	409
123	High energy density in silver niobate ceramics. Journal of Materials Chemistry A, 2016, 4, 17279-17287.	10.3	318
124	Electric-field-induced AFE-FE transitions and associated strain/preferred orientation in antiferroelectric PLZST. Scientific Reports, 2016, 6, 23659.	3.3	24
125	Reconfigurable all-dielectric metamaterial frequency selective surface based on high-permittivity ceramics. Scientific Reports, 2016, 6, 24178.	3.3	23
126	Achieving fishnet all-dielectric left-handed metamaterial via high permittivity ceramics. , 2016, , .		0

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127	Dual-band asymmetric transmission and cross-polarization conversion of linearly polarized wave using multi-layered metamaterial. , 2016, , .		0
128	Spatial k-dispersion engineering of spoof surface plasmon polaritons for customized absorption. Scientific Reports, 2016, 6, 29429.	3.3	76
129	A Reconfigurable Polarization Converter Using Active Metasurface and Its Application in Horn Antenna. IEEE Transactions on Antennas and Propagation, 2016, 64, 5281-5290.	5.1	107
130	Analysis on the anisotropic electromechanical properties of lead magnoniobate titanate single crystal for ring type ultrasonic motors. AIP Advances, 2016, 6, 115017.	1.3	3
131	Dual-band and high-efficiency polarization converter based on metasurfaces at microwave frequencies. Applied Physics B: Lasers and Optics, 2016, 122, 1.	2.2	27
132	Susceptible Ferroelectric/Antiferroelectric Phase Transition near the Surface of Nb-Doped Lead Zirconate Stannate Titanate from Surface Processing. ACS Applied Materials & Interfaces, 2016, 8, 14313-14317.	8.0	17
133	A metamaterial-inspired wideband high-gain FABRY-Perot resonator microstrip patch antenna. Microwave and Optical Technology Letters, 2016, 58, 1675-1678.	1.4	9
134	Discharging and energy-releasing properties of Pb0.90La0.04Ba0.04[(Zr0.6Sn0.4)0.85Ti0.15]O3 antiferroelectric ceramics under different electric fields. Journal of Materials Science: Materials in Electronics, 2016, 27, 3071-3075.	2.2	18
135	SiO₂â€“Ti_{0.98}In_{0.01}Nb_{0.01}O₂ composite ceramics with low dielectric loss, high dielectric permittivity and an enhanced breakdown electric field. RSC Advances, 2016, 6, 20074-20080.	3.6	29
136	Thermal expansion characteristics of [001]-oriented PIN-PMN-PT single crystal. , 2015, , .		1
137	Dielectric property, electric breakdown, and discharged energy density of a poly(vinylidene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T Polymer Science, 2015, 132, .	2.6	3
138	Radar Coincidence Imaging With Random Microwave Source. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 1239-1242.	4.0	46
139	Gradient Metasurface With Both Polarization-Controlled Directional Surface Wave Coupling and Anomalous Reflection. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 104-107.	4.0	85
140	A band enhanced metamaterial absorber based on E-shaped all-dielectric resonators. AIP Advances, 2015, 5, .	1.3	27
141	Study on a Nonlinear Antiferroelectric Capacitor. Journal of Fusion Energy, 2015, 34, 717-720.	1.2	5
142	Analysis of Electric Field Distribution in Capacitorsâ€™ Dielectric with Cavities. Journal of Fusion Energy, 2015, 34, 845-848.	1.2	0
143	Improve piezoelectricity and elasticity of Ce-doped BaTiO₃ nanofibers â€” towards energy harvesting application. RSC Advances, 2015, 5, 55269-55276.	3.6	23
144	An Average Power Tracking Method for Wideband Highly Nonlinear Power Amplifiers. IEEE Microwave and Wireless Components Letters, 2015, 25, 274-276.	3.2	1

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145	Evidences of grain boundary capacitance effect on the colossal dielectric permittivity in (Nb + In) co-doped TiO2 ceramics. Scientific Reports, 2015, 5, 8295.	3.3	126
146	Threshold Analysis of Loop-Delay Estimation Using Correlation Functions for Double-Carrier Signals in Digital Predistortion Subsystem. IEEE Communications Letters, 2015, 19, 479-482.	4.1	3
147	Hydrothermal synthesis and photocatalytic property of Bi2MoO6/ZnO composite material. Research on Chemical Intermediates, 2015, 41, 7273-7283.	2.7	25
148	Design of Super-Thin Cloaks With Arbitrary Shapes using Interconnected Patches. IEEE Transactions on Antennas and Propagation, 2015, 63, 384-389.	5.1	13
149	Transient first-order interference of two independent thermal light beams. , 2014, , .		0
150	Wideband radar cross section reduction using two-dimensional phase gradient metasurfaces. Applied Physics Letters, 2014, 104, .	3.3	190
151	Ultra-wideband polarization conversion metasurfaces based on multiple plasmon resonances. Journal of Applied Physics, 2014, 115, .	2.5	304
152	Enhanced energy harvesting performance of the piezoelectric unimorph with perpendicular electrodes. Applied Physics Letters, 2014, 105, .	3.3	11
153	Effects of <scp><scp>InNbO</scp></scp>₄ Fabrication on Perovskite <scp>PIN</scp>â€<scp>PMN</scp>â€<scp>PT</scp>. Journal of the American Ceramic Society, 2014, 97, 3110-3115.	3.8	8
154	Intergrowth Bismuth Layer-Structured Na0.5Bi2.5Nb2O9â€“Bi4Ti3O12 High Temperature Ferroelectrics Ceramics. Journal of Inorganic and Organometallic Polymers and Materials, 2014, 24, 355-359.	3.7	8
155	Growth of GaN Crystals by the Na Flux Method Under a Temperature Gradient. Journal of Electronic Materials, 2014, 43, 1219-1225.	2.2	7
156	Hydrostatic piezoelectric properties of [011] poled Pb(Mg_{1/3}Nb_{2/3})O₃-PbTiO₃ single crystals and 2-2 lamellar composites. Applied Physics Letters, 2014, 104, 032909.	3.3	17
157	Wideband selective polarization conversion mediated by three-dimensional metamaterials. Journal of Applied Physics, 2014, 115, 234506.	2.5	25
158	Patterned photochemical deposition on domain engineered ferroelectric single crystals. , 2014, , .		0
159	Achieving single domain relaxor-PT crystals by high temperature poling. CrystEngComm, 2014, 16, 2892-2897.	2.6	43
160	Electrostrictive effect in ferroelectrics: An alternative approach to improve piezoelectricity. Applied Physics Reviews, 2014, 1, 011103.	11.3	395
161	A high-efficiency loop delay estimator in digital predistortion subsystem. , 2014, , .		1
162	Fabrication and Piezoelectric Property of <scp><scp>BaTiO</scp></scp>₃ Nanofibers. Journal of the American Ceramic Society, 2014, 97, 2725-2730.	3.8	28

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163	Experimental Demonstration of An Absorptive/Transmissive FSS With Magnetic Material. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 114-117.	4.0	70
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