

# Minghe Cao

## List of Publications by Year in descending order

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122  
papers

5,034  
citations

125106

35  
h-index

111975

67  
g-index

122  
all docs

122  
docs citations

122  
times ranked

2555  
citing authors

#	ARTICLE	IF	CITATIONS
1	Regulating energy storage performances of 0.85NaNbO <sub>3</sub> -0.15Bi(Zn <sub>2</sub> /3Nb <sub>1</sub> /3)O <sub>3</sub> ceramics using BaTiO <sub>3</sub> . Journal of Materiomics, 2022, 8, 166-173.	2.8	12
2	Superior energy storage BaTiO <sub>3</sub> -based amorphous dielectric film with polymorphic hexagonal and cubic nanostructures. Chemical Engineering Journal, 2022, 431, 133447.	6.6	16
3	Evolution of polarization crystallites in 0.92BaTiO <sub>3</sub> -0.08Bi(Ni <sub>0.5</sub> Zr <sub>0.5</sub> )O <sub>3</sub> microcrystal-amorphous composite thin film with high energy storage capability and thermal stability. Chemical Engineering Journal, 2022, 433, 133579.	6.6	10
4	Amorphous/Crystalline Engineering of BaTiO <sub>3</sub> -Based Thin Films for Energy-Storage Capacitors. ACS Sustainable Chemistry and Engineering, 2022, 10, 1731-1740.	3.2	18
5	Defect controlling of BaTiO <sub>3</sub> @ NiO double hysteresis loop ceramics with enhanced energy storage capability and stability. Journal of the European Ceramic Society, 2022, 42, 2212-2220.	2.8	5
6	Abnormal dielectric relaxations and giant permittivity in SrTiO <sub>3</sub> ceramic prepared by plasma activated sintering. Journal of the American Ceramic Society, 2022, 105, 4143-4151.	1.9	8
7	Defect structure design of TiO <sub>2</sub> ceramics with colossal permittivity by doping with Ti metal powder. Ceramics International, 2022, 48, 16723-16729.	2.3	9
8	Selectively designed Fe doping of lead-free BaTiO <sub>3</sub> piezoceramics. Journal of Materials Science: Materials in Electronics, 2022, 33, 10154-10164.	1.1	3
9	Energy storage performance of silica-coated 0.5Na0.5NbO <sub>3</sub> -based lead-free ceramics. Journal of Materials Science: Materials in Electronics, 2022, 33, 10121-10130.	1.1	1
10	Microcrystalline structure modulation and energy storage properties of BaZr <sub>0.25</sub> Ti <sub>0.75</sub> O <sub>3</sub> thin films. Journal of Alloys and Compounds, 2022, 907, 164236.	2.8	6
11	Anomalous dielectric relaxation peak in Nb-doped SrTiO <sub>3</sub> single crystals. Ceramics International, 2022, 48, 24725-24732.	2.3	3
12	Sm doped BNT-BZT lead-free ceramic for energy storage applications with broad temperature range. Journal of Materials Science: Materials in Electronics, 2022, 33, 14644-14654.	1.1	6
13	Giant permittivity in Nb-doped SrTiO <sub>3</sub> single crystal: Compositional gradient and local structure. Ceramics International, 2022, 48, 29572-29579.	2.3	6
14	Multiscale grain synergistic by microstructure designed hierarchically structured in BaTiO <sub>3</sub> -based ceramics with enhanced energy storage density and X9R high-temperature dielectrics application. Journal of Materials Science, 2022, 57, 11839-11851.	1.7	7
15	Structure and enhanced dielectric temperature stability of BaTiO <sub>3</sub> -based ceramics by Ca ion B site-doping. Journal of Materiomics, 2021, 7, 295-301.	2.8	20
16	The energy-storage performance and dielectric properties of (0.94-x)BNT-0.06BT-xST thin films prepared by sol-gel method. Journal of Alloys and Compounds, 2021, 860, 158164.	2.8	14
17	Significant photostrictive response in lead-free Bi <sub>0.5</sub> Na <sub>0.5</sub> TiO <sub>3</sub> ceramics under visible light illumination. Journal of the American Ceramic Society, 2021, 104, 4033-4040.	1.9	5
18	Fabrication of BaTiO <sub>3</sub> @FeO core-shell nanoceramics for dielectric capacitor applications. Scripta Materialia, 2021, 196, 113753.	2.6	13

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19	Optimized energy storage properties of BaTiO <sub>3</sub> -based ceramics with enhanced grain boundary effect. Journal of Materials Science: Materials in Electronics, 2021, 32, 14328-14336.	1.1	0
20	Tuning the microstructure of BaTiO <sub>3</sub> @FeO core-shell nanoparticles with low temperatures sintering dense nanocrystalline ceramics for high energy storage capability and stability. Journal of Alloys and Compounds, 2021, 864, 158644.	2.8	14
21	Preparation of BaTiO <sub>3</sub> @NiO core-shell nanoparticles with antiferroelectric-like characteristic and high energy storage capability. Journal of the European Ceramic Society, 2021, 41, 4129-4137.	2.8	22
22	Ultra-high energy storage density and enhanced dielectric properties in BNT-BT based thin film. Ceramics International, 2021, 47, 23259-23266.	2.3	23
23	Synergistic Function via Amorphous and Nanoscale Polarization Heterogeneous Regions in (1-x)BaTiO <sub>3</sub> -xBi(Ni <sub>0.5</sub> Zr <sub>0.5</sub> )O <sub>3</sub> Thin Film with Ultrahigh Energy Storage Capability and Stability. Small Methods, 2021, 5, e2100787.	4.6	10
24	The influence of processing methods on the dielectric properties of BaTi <sub>1-x</sub> Gd <sub>x</sub> O <sub>3-x/2</sub> - Based materials. Ceramics International, 2021, 47, 24360-24371.	2.3	1
25	Poorly crystallized Bi(Mg,Zr,Ti)O <sub>3</sub> lead-free thin films for energy-storage applications. Ceramics International, 2021, 47, 32357-32363.	2.3	5
26	Preparation and Properties of Epoxy Piezoelectric Vibration Reduction Composites. Journal Wuhan University of Technology, Materials Science Edition, 2021, 36, 44-49.	0.4	3
27	Electric property, anti-reduction mechanism of (1-x)BaTiO <sub>3</sub> -xBiCoO <sub>3</sub> -Mn ceramics. Journal of Materials Research, 2021, 36, 1037-1047.	1.2	1
28	Improved energy storage properties of La <sub>0.33</sub> NbO <sub>3</sub> modified 0.94Bi <sub>0.5</sub> Na <sub>0.5</sub> TiO <sub>3</sub> -0.06BaTiO <sub>3</sub> ceramic system. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	1.1	3
29	Defect engineering toward the structures and dielectric behaviors of (Nb, Zn) co-doped SrTiO <sub>3</sub> ceramics. Journal of the European Ceramic Society, 2020, 40, 49-55.	2.8	55
30	The role of diffusion behavior on the formation and evolution of the core-shell structure in BaTiO <sub>3</sub> -based ceramics. Journal of the American Ceramic Society, 2020, 103, 304-314.	1.9	8
31	High breakdown strength and energy storage performance in (Nb, Zn) modified SrTiO <sub>3</sub> ceramics via synergy manipulation. Journal of Materials Chemistry C, 2020, 8, 2019-2027.	2.7	52
32	Performance optimization of Mg-rich bismuth-magnesium-titanium thin films for energy storage applications. Journal of the European Ceramic Society, 2020, 40, 1243-1249.	2.8	9
33	Simultaneously achieved high energy storage density and efficiency in sol-gel-derived amorphous Mn-doped SrTiO <sub>3</sub> thin films. Journal of Alloys and Compounds, 2020, 845, 155636.	2.8	16
34	High breakdown strength and energy storage density of Er <sub>0.02</sub> Sr <sub>0.97</sub> TiO <sub>3</sub> @MgO <sub>2</sub> -Al <sub>2</sub> O <sub>3</sub> -SiO <sub>2</sub> ceramics with core-shell structure sintered in oxygen atmosphere. Journal of Materials Science: Materials in Electronics, 2020, 31, 13408-13414.	1.1	4
35	Defect structure evolution and electrical properties of BaTiO <sub>3</sub> -based ferroelectric ceramics. Journal of the American Ceramic Society, 2020, 103, 5129-5138.	1.9	13
36	Reply to comments on "Giant dielectric response in (Nb <sup>+</sup> Zn) co-doped strontium titanate ceramics tailored by atmosphere". Scripta Materialia, 2020, 186, 11-13.	2.6	0

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37	A Unique Mechanism for Dielectric-Temperature Stability of BaTiO <sub>3</sub> -Based Ceramics Using Ba(OH) <sub>2</sub> /TiO <sub>2</sub> Suspension. Journal of Physical Chemistry C, 2020, 124, 14089-14098.	1.5	5
38	Enhanced dielectric breakdown strength and ultra-fast discharge performance of novel SrTiO <sub>3</sub> based ceramics system. Journal of Alloys and Compounds, 2020, 830, 154611.	2.8	35
39	Defect chemistry of A site nonstoichiometry and the resulting dielectric behaviors in Sr <sub>x</sub> Ti <sub>0.985</sub> (Nb <sub>2/3</sub> Zn <sub>1/3</sub> ) <sub>0.015</sub> O <sub>3</sub> ceramics. Journal of the American Ceramic Society, 2020, 103, 6298-6307.	1.9	9
40	Enhanced energy storage properties of fine-crystalline Ba <sub>0.4</sub> Sr <sub>0.6</sub> TiO <sub>3</sub> ceramics by coating powders with B <sub>2</sub> O <sub>3</sub> -Al <sub>2</sub> O <sub>3</sub> -SiO <sub>2</sub> . Journal of Alloys and Compounds, 2020, 826, 153891.	2.8	22
41	Modulating the energy storage performance of NaNbO <sub>3</sub> -based lead-free ceramics for pulsed power capacitors. Ceramics International, 2020, 46, 13511-13516.	2.3	40
42	A family of functional oxides of titanosilicates: A <sub>2</sub> TiSi <sub>2</sub> O <sub>8</sub> (A= Ba, Sr) with temperature insensitive ultrahigh breakdown strength. Journal of the European Ceramic Society, 2020, 40, 3027-3034.	2.8	6
43	Structure and dielectric properties of MgO-coated BaTiO <sub>3</sub> ceramics. Journal of Materials Science: Materials in Electronics, 2020, 31, 8963-8970.	1.1	12
44	Lead-free relaxor-ferroelectric ceramics for high-energy-storage applications. Journal of Materials Chemistry C, 2020, 8, 8962-8970.	2.7	31
45	Novel BiAlO <sub>3</sub> dielectric thin films with high energy density. Ceramics International, 2019, 45, 22523-22527.	2.3	8
46	Structures and dielectric properties of (Nb, Zn) co-doped SrTiO <sub>3</sub> ceramics at various sintering temperatures. Journal of Materials Science, 2019, 54, 12401-12410.	1.7	19
47	Giant dielectric response in (Nb <sup>5+</sup> -Zn) co-doped strontium titanate ceramics tailored by atmosphere. Scripta Materialia, 2019, 170, 166-171.	2.6	30
48	Anomalous Dielectric Nonlinearity in Niobium and Aluminum Co-doped SrTiO <sub>3</sub> Ceramics with Giant Permittivity and Low Dielectric Loss. Journal of Physical Chemistry C, 2019, 123, 18142-18149.	1.5	11
49	Energy storage properties of MgO-doped 0.5Bi <sub>0.5</sub> Na <sub>0.5</sub> TiO <sub>3</sub> -0.5SrTiO <sub>3</sub> ceramics. Ceramics International, 2019, 45, 14921-14927.	2.3	37
50	Dielectric and anti-reduction properties of (1-x)BaTiO <sub>3</sub> -xBi(Zn <sub>0.5</sub> Y <sub>0.5</sub> )O <sub>2.75</sub> ceramics for BME-MLCC application. Journal of Alloys and Compounds, 2019, 794, 358-364.	2.8	19
51	Influence of Co substitution on the phase, microstructure, and microwave dielectric properties of MgSiO <sub>3</sub> ceramics. Journal of Materials Science: Materials in Electronics, 2019, 30, 6469-6474.	1.1	8
52	The microstructure and energy storage properties of Ba <sub>0.3</sub> Sr <sub>0.7</sub> TiO <sub>3</sub> crystallite thin films. Journal of Alloys and Compounds, 2019, 792, 1013-1020.	2.8	19
53	Achieving ultrahigh energy storage performance in bismuth magnesium titanate film capacitors via amorphous-structure engineering. Journal of Materials Chemistry C, 2019, 7, 13632-13639.	2.7	45
54	Cerium doped strontium titanate with stable high permittivity and low dielectric loss. Journal of Alloys and Compounds, 2019, 772, 1105-1112.	2.8	33

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55	Structure and electric properties of sandwich-structured SrTiO <sub>3</sub> /BiFeO <sub>3</sub> thin films for energy storage applications. Journal of Alloys and Compounds, 2019, 781, 378-384.	2.8	31
56	Origin of high dielectric permittivity and low dielectric loss of Sr <sub>0.985</sub> Ce <sub>0.01</sub> TiO <sub>3</sub> ceramics under different sintering atmospheres. Journal of Alloys and Compounds, 2019, 782, 51-58.	2.8	35
57	Nano-BaTiO <sub>3</sub> phase transition behavior in coated BaTiO <sub>3</sub> -based dielectric ceramics. Ceramics International, 2019, 45, 7166-7172.	2.3	20
58	A novel lead-free bismuth magnesium titanate thin films for energy storage applications. Journal of the American Ceramic Society, 2019, 102, 3819-3822.	1.9	22
59	Enhanced energy storage and fast discharge properties of BaTiO <sub>3</sub> based ceramics modified by Bi(Mg <sub>1/2</sub> Zr <sub>1/2</sub> )O <sub>3</sub> . Journal of the European Ceramic Society, 2019, 39, 1103-1109.	2.8	187
60	Defect structure and dielectric behavior in SrTi <sub>1-x</sub> (Zn <sub>1/3</sub> Nb <sub>2/3</sub> )xO <sub>3</sub> ceramics. Journal of Alloys and Compounds, 2019, 784, 1303-1310.	2.8	31
61	Effect of oxygen treatment on structure and electrical properties of Mn-doped Ca <sub>0.6</sub> Sr <sub>0.4</sub> TiO <sub>3</sub> ceramics. Journal of the European Ceramic Society, 2018, 38, 2534-2540.	2.8	31
62	Enhanced recoverable energy storage density of Mn-doped Ba <sub>0.4</sub> Sr <sub>0.6</sub> TiO <sub>3</sub> thin films prepared by spin-coating technique. Journal of Materials Science: Materials in Electronics, 2018, 29, 5814-5819.	1.1	24
63	The role of dielectric permittivity in the energy storage performances of ultrahigh-permittivity (Sr <sub>x</sub> Ba <sub>1-x</sub> )(Ti <sub>0.85</sub> Sn <sub>0.15</sub> )O <sub>3</sub> ceramics. Ceramics International, 2018, 44, 5304-5310.	2.3	21
64	Defect chemistry and dielectric behavior of Sr <sub>0.99</sub> Ce <sub>0.01</sub> Ti <sub>1-x</sub> O <sub>3</sub> ceramics with high permittivity. Ceramics International, 2018, 44, 12065-12072.	2.3	18
65	Structure, electrical and dielectric properties of Ca substituted BaTiO <sub>3</sub> ceramics. Ceramics International, 2018, 44, 11109-11115.	2.3	59
66	MgO-modified Sr <sub>0.7</sub> Ba <sub>0.3</sub> Nb <sub>2</sub> O <sub>6</sub> ceramics for energy storage applications. Ceramics International, 2018, 44, 11022-11029.	2.3	30
67	Unfolding dielectric breakdown effects on energy storage performances of modified (Sr <sub>0.98</sub> Ca <sub>0.02</sub> )(Ti <sub>1-x</sub> Zr <sub>x</sub> )O <sub>3</sub> ceramics. International Journal of Applied Ceramic Technology, 2018, 15, 1030-1039.		23
68	Phase, Microstructure, and Microwave Dielectric Properties of (Mg <sub>0.95</sub> Co <sub>0.05</sub> )(Ti <sub>1-x</sub> Sn <sub>x</sub> )O <sub>3</sub> (0.05 ≤ x ≤ 0.20) Ceramics. Journal of Electronic Materials, 2018, 47, 7380-7385.	1.0	1
69	Effect of Constituent Core-sizes on Microstructure and Dielectric Properties of BaTiO <sub>3</sub> @(0.6Ba-TiO <sub>3</sub> -0.4BiAlO <sub>3</sub> ) Core-Shell Material. Journal Wuhan University of Technology, Materials Science Edition, 2018, 33, 589-597.	0.4	1
70	Effects of sintering temperature on microstructure and dielectric properties of Sr <sub>0.985</sub> Ce <sub>0.01</sub> TiO <sub>3</sub> ceramics. Journal of Alloys and Compounds, 2018, 762, 950-956.	2.8	25
71	Origin of low dielectric loss and giant dielectric response in (Nb+Al) co-doped strontium titanate. Journal of the American Ceramic Society, 2018, 101, 5089-5097.	1.9	40
72	Mechanism of the giant permittivity in Sm modified SrTiO <sub>3</sub> sintered at different atmospheres. Journal of Materials Science: Materials in Electronics, 2018, 29, 11546-11552.	1.1	2

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73	Enhanced energy storage properties of BaTiO <sub>3</sub> thin films by Ba <sub>0.4</sub> Sr <sub>0.6</sub> TiO <sub>3</sub> layers modulation. Journal of Alloys and Compounds, 2018, 765, 362-368.	2.8	49
74	Characteristics and structure of Mn-doped (0.6-x)PMT-0.4PT-xPZ (x=0.2, 0.25) ternary system near morphotropic phase boundary. Journal of Materials Science: Materials in Electronics, 2018, 29, 14261-14266.	1.1	5
75	Improved breakdown strength and energy storage density of a Ce doped strontium titanate core by silica shell coating. Journal of Materials Chemistry C, 2018, 6, 9130-9139.	2.7	51
76	Fine-grained silica-coated barium strontium titanate ceramics with high energy storage. Ceramics International, 2018, 44, 20239-20244.	2.3	13
77	Homogeneous/Inhomogeneous Structured Dielectrics and their Energy Storage Performances. Advanced Materials, 2017, 29, 1601727.	11.1	909
78	Improved energy-storage performance and breakdown enhancement mechanism of Mg-doped SrTiO <sub>3</sub> bulk ceramics for high energy density capacitor applications. Journal of Materials Science: Materials in Electronics, 2017, 28, 11491-11499.	1.1	42
79	Defect structure-electrical property relationship in Mn-doped calcium strontium titanate dielectric ceramics. Journal of the American Ceramic Society, 2017, 100, 4638-4648.	1.9	42
80	Dielectric properties and impedance analysis of BaTiO <sub>3</sub> -based ceramics with core-shell structure. Ceramics International, 2017, 43, 8449-8458.	2.3	24
81	Microstructure and dielectric properties of SrTiO <sub>3</sub> ceramics by controlled growth of silica shells on SrTiO <sub>3</sub> nanoparticles. Ceramics International, 2017, 43, 7710-7716.	2.3	40
82	Energy-storage properties of Bi <sub>0.5</sub> Na <sub>0.5</sub> TiO <sub>3</sub> -BaTiO <sub>3</sub> -KNbO <sub>3</sub> ceramics fabricated by wet-chemical method. Journal of the European Ceramic Society, 2017, 37, 99-106.	2.8	113
83	Microstructure and dielectric characteristics of Nb <sub>2</sub> O <sub>5</sub> doped BaTiO <sub>3</sub> -Bi(Zn <sub>1/2</sub> Ti <sub>1/2</sub> )O <sub>3</sub> ceramics for capacitor applications. Journal of the European Ceramic Society, 2017, 37, 123-128.	2.8	21
84	Nb-doped BaTiO <sub>3</sub> -(Na <sub>1/4</sub> Bi <sub>3/4</sub> )(Mg <sub>1/4</sub> Ti <sub>3/4</sub> )O <sub>3</sub> ceramics with X <sub>9R</sub> high-temperature stable dielectric properties. Journal of Materials Science: Materials in Electronics, 2017, 28, 4204-4210.	1.1	11
85	The Role of Microstructure on Microwave Dielectric Properties of (Ba,Sr)TiO <sub>3</sub> Ceramics. Journal of the American Ceramic Society, 2016, 99, 905-910.	1.9	12
86	Manganese-Doped BiFeO <sub>3</sub> -BaTiO <sub>3</sub> High-Temperature Piezoelectric Ceramics: Phase Structures and Defect Mechanism. International Journal of Applied Ceramic Technology, 2016, 13, 549-553.	1.1	14
87	Structural and dielectric behavior of giant permittivity SrNbxTi <sub>1-x</sub> O <sub>3</sub> ceramics sintered in nitrogen atmosphere. Ceramics International, 2016, 42, 13593-13600.	2.3	54
88	Dielectric properties and relaxation behaviors of Ba doped Sr <sub>0.97</sub> Sm <sub>0.02</sub> TiO <sub>3</sub> ceramics in different sintering atmospheres. Ceramics International, 2016, 42, 16782-16788.	2.3	12
89	Phase and Microstructure Evaluation and Microwave Dielectric Properties of Mg <sub>1-x</sub> Ni <sub>x</sub> SiO <sub>3</sub> Ceramics. Journal of Electronic Materials, 2016, 45, 5133-5139.	1.0	12
90	Effect of HfO <sub>2</sub> addition as intergranular grains on the energy storage behavior of Ca <sub>0.6</sub> Sr <sub>0.4</sub> TiO <sub>3</sub> ceramics. Journal of the European Ceramic Society, 2016, 36, 3157-3163.	2.8	42

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91	Dielectric relaxation behavior and energy storage properties of Sn modified SrTiO <sub>3</sub> based ceramics. Ceramics International, 2016, 42, 12796-12801.	2.3	77
92	Effect of SiO <sub>2</sub> additive on dielectric response and energy storage performance of Ba <sub>0.4</sub> Sr <sub>0.6</sub> TiO <sub>3</sub> ceramics. Ceramics International, 2016, 42, 12639-12643.	2.3	55
93	Structure and electrical properties of lead-free Bi <sub>0.5</sub> Na <sub>0.5</sub> TiO <sub>3</sub> -based ceramics for energy-storage applications. RSC Advances, 2016, 6, 59280-59291.	1.7	141
94	Preparation and dielectric properties of X <sub>9R</sub> core-shell BaTiO <sub>3</sub> ceramics coated by BiAlO <sub>3</sub> -BaTiO <sub>3</sub> . Ceramics International, 2016, 42, 379-387.	2.3	22
95	Electrical properties and relaxation behavior of Bi <sub>0.5</sub> Na <sub>0.5</sub> TiO <sub>3</sub> -BaTiO <sub>3</sub> ceramics modified with NaNbO <sub>3</sub> . Journal of the European Ceramic Society, 2016, 36, 2469-2477.	2.8	99
96	Manufacture and dielectric properties of X <sub>9R</sub> Bi-based lead-free multilayer ceramic capacitors with AgPd inner electrodes. Journal of Materials Science: Materials in Electronics, 2016, 27, 6140-6149.	1.1	7
97	A new energy-storage ceramic system based on Bi <sub>0.5</sub> Na <sub>0.5</sub> TiO <sub>3</sub> ternary solid solution. Journal of Materials Science: Materials in Electronics, 2016, 27, 322-329.	1.1	55
98	Enhancement of energy-storage properties of K <sub>0.5</sub> Na <sub>0.5</sub> NbO <sub>3</sub> modified Na <sub>0.5</sub> Bi <sub>0.5</sub> TiO <sub>3</sub> -K <sub>0.5</sub> Bi <sub>0.5</sub> TiO <sub>3</sub> lead-free ceramics. Journal of Materials Science: Materials in Electronics, 2016, 27, 466-473.	1.1	25
99	Ultra-Wide Temperature Stable Dielectrics Based on Bi <sub>0.5</sub> Na <sub>0.5</sub> TiO <sub>3</sub> -NaNbO <sub>3</sub> System. Journal of the American Ceramic Society, 2015, 98, 3119-3126.	1.9	97
100	Improved Energy Storage Properties Accompanied by Enhanced Interface Polarization in Annealed Microwave-Sintered BST. Journal of the American Ceramic Society, 2015, 98, 3212-3222.	1.9	90
101	X <sub>9R</sub> BaTiO <sub>3</sub> -Based Dielectric Ceramics with Multilayer Core-Shell Structure Produced by Polymer Network Gel Coating Method. Journal of the American Ceramic Society, 2015, 98, 690-693.	1.9	16
102	Temperature stability of dielectric properties for xBiAlO <sub>3</sub> -(1-x)BaTiO <sub>3</sub> ceramics. Journal of the European Ceramic Society, 2015, 35, 2303-2311.	2.8	49
103	Dielectric response of 0.85 Ba(Ti <sub>0.96</sub> Zr <sub>0.04</sub> )O <sub>3</sub> -0.15 Bi(Mg <sub>0.5</sub> Ti <sub>0.5</sub> )O <sub>3</sub> relaxor ferroelectrics under electric field: evolution of PNRs. Journal of Materials Science: Materials in Electronics, 2015, 26, 9146-9151.	1.1	3
104	Effects of Ca doping on the energy storage properties of (Sr, Ca)TiO <sub>3</sub> paraelectric ceramics. Journal of Materials Science: Materials in Electronics, 2015, 26, 2726-2732.	1.1	70
105	Effects of silica coating on the microstructures and energy storage properties of BaTiO <sub>3</sub> ceramics. Materials Research Bulletin, 2015, 67, 70-76.	2.7	84
106	Structures and dielectric properties of Sr <sub>0.9775</sub> Sm <sub>0.015</sub> TiO <sub>3</sub> ceramics sintered in N <sub>2</sub> . Ceramics International, 2015, 41, 12945-12949.	2.3	27
107	Structure, dielectric and impedance properties of BaTiO <sub>3</sub> -Bi(Y <sub>0.5</sub> Yb <sub>0.5</sub> )O <sub>3</sub> lead-free ceramics. Journal of Materials Science: Materials in Electronics, 2015, 26, 3215-3222.	1.1	10
108	Dielectric Relaxation in Zr-Doped SrTiO <sub>3</sub> Ceramics Sintered in N <sub>2</sub> with Giant Permittivity and Low Dielectric Loss. Journal of the American Ceramic Society, 2015, 98, 476-482.	1.9	80



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109	Design, fabrication and dielectric properties in core-shell double shell BaTiO <sub>3</sub> -based ceramics for MLCC application. RSC Advances, 2015, 5, 8868-8876.	1.7	37
110	Microstructure, ferro-piezoelectric and thermal stability of SiO <sub>2</sub> modified BiFeO <sub>3</sub> -BaTiO <sub>3</sub> high temperature piezoceramics. Journal of Materials Science: Materials in Electronics, 2015, 26, 479-484.	1.1	11
111	Enhanced energy storage properties of NaNbO <sub>3</sub> modified Bi <sub>0.5</sub> Na <sub>0.5</sub> TiO <sub>3</sub> based ceramics. Journal of the European Ceramic Society, 2015, 35, 545-553.	2.8	281
112	Dielectric properties and relaxation behavior of Sm substituted SrTiO <sub>3</sub> ceramics. Journal of Materials Science: Materials in Electronics, 2014, 25, 4418-4424.	1.1	21
113	Structure and Dielectric Properties of BaTiO <sub>3</sub> -BiYO <sub>3</sub> Perovskite Solid Solutions. Journal of the American Ceramic Society, 2014, 97, 1797-1801.	1.9	73
114	Effects of Sr/Ti ratio on the microstructure and energy storage properties of nonstoichiometric SrTiO <sub>3</sub> ceramics. Ceramics International, 2014, 40, 929-933.	2.3	86
115	Giant permittivity and low dielectric loss of SrTiO <sub>3</sub> ceramics sintered in nitrogen atmosphere. Journal of the European Ceramic Society, 2014, 34, 1755-1760.	2.8	114
116	Effect of grain size on the energy storage properties of (Ba <sub>0.4</sub> Sr <sub>0.6</sub> )TiO <sub>3</sub> paraelectric ceramics. Journal of the European Ceramic Society, 2014, 34, 1209-1217.	2.8	218
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120	Dielectric behaviors of Nb <sub>2</sub> O <sub>5</sub> -Co <sub>2</sub> O <sub>3</sub> doped BaTiO <sub>3</sub> -Bi(Mg <sub>1/2</sub> Ti <sub>1/2</sub> )O <sub>3</sub> ceramics. Ceramics International, 2012, 38, S45-S48.	2.3	32
121	Structure, Dielectric Properties and Temperature Stability of BaTiO <sub>3</sub> -Bi(Mg <sub>1/2</sub> Ti <sub>1/2</sub> )O <sub>3</sub> Perovskite Solid Solutions. Journal of the American Ceramic Society, 2011, 94, 3412-3417.	1.9	150
122	Novel Sr <sub>4</sub> Fe <sub>6</sub> O <sub>13</sub> ferrites and Sr <sub>4</sub> Fe <sub>6</sub> O <sub>13</sub> /CNTs composites for 15 GHz high frequency microwave absorption application. Journal of Materials Science: Materials in Electronics, 0, .	1.1	0