

# Zhijun Xu

## List of Publications by Year in Descending Order

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

73  
papers

921  
citations

15  
h-index

28  
g-index

79  
ext. papers

1,049  
ext. citations

3  
avg, IF

4.08  
L-index

#	Paper	IF	Citations
73	Photoluminescence, electrical properties and electron band structure of (Ho, Yb) <sup>3+</sup> co-doped SrBi <sub>4</sub> Ti <sub>4</sub> O <sub>15</sub> multifunctional ceramics. <i>Ceramics International</i> , <b>2022</b> , 48, 9248-9257	5.1	0
72	Electrical and luminescence properties, and energy band structure of SrBi <sub>2</sub> -Er Nb <sub>2</sub> O <sub>9</sub> multifunctional ceramics. <i>Ceramics International</i> , <b>2021</b> , 47, 30938-30946	5.1	1
71	Enhancement of up-conversion emission and field-induced strain in BNT-based multifunctional ceramics doping with LiNbO <sub>3</sub> . <i>Journal of Materials Science: Materials in Electronics</i> , <b>2020</b> , 31, 9579-9585	2.1	1
70	Electrical properties and luminescence properties of 0.96(K <sub>0.48</sub> Na <sub>0.52</sub> )(Nb <sub>0.95</sub> Sb <sub>0.05</sub> ) <sub>0.04</sub> Bi <sub>0.5</sub> (Na <sub>0.82</sub> K <sub>0.18</sub> ) <sub>0.5</sub> ZrO <sub>3</sub> -xSm lead-free ceramics. <i>Journal of Advanced Ceramics</i> , <b>2020</b> , 9, 72-82	10.7	10
69	Enhancement of field-induced strain and bright upconversion luminescence in BNT-based multifunctional ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2020</b> , 31, 21632-21639	2.1	1
68	Strong red emission and enhanced electrical properties in Pr-doped SrBi <sub>4</sub> Ti <sub>4</sub> O <sub>15</sub> multifunctional ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 17890-17898	2.1	2
67	Domain evolution and corresponding piezoelectricity of lead-free In <sub>2</sub> O <sub>3</sub> -doped K <sub>0.5</sub> Na <sub>0.5</sub> NbO <sub>3</sub> ceramics together with improved fatigue resistance and temperature stability. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2019</b> , 243, 141-148	3.1	12
66	Temperature stability and electrical properties of Tm <sub>2</sub> O <sub>3</sub> doped KNN-based ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 4716-4725	2.1	7
65	Crystallization evolution and ferroelectric behavior of Bi <sub>3.25</sub> La <sub>0.75</sub> Ti <sub>3</sub> O <sub>12</sub> -based thin films prepared by rf-magnetron sputtering. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 8974-8979 <sup>1</sup>	2.1	7 <sup>1</sup>
64	Photoluminescence and electrical properties of SrSmAlO <sub>4</sub> -doped (Bi <sub>0.5</sub> Na <sub>0.5</sub> ) <sub>0.935</sub> Ba <sub>0.065</sub> TiO <sub>3</sub> ferroelectric ceramics. <i>Ceramics International</i> , <b>2019</b> , 45, 5008-5014	5.1	3
63	Effect of SmAlO <sub>3</sub> doping on the properties of (1-x)(K <sub>0.44</sub> Na <sub>0.52</sub> Li <sub>0.04</sub> )(Nb <sub>0.91</sub> Ta <sub>0.05</sub> Sb <sub>0.04</sub> )O <sub>3</sub> lead-free ceramics. <i>Journal of Electroceramics</i> , <b>2019</b> , 42, 74-78	1.5	2
62	Lead-free rare earth-modified (K <sub>0.44</sub> Na <sub>0.52</sub> Li <sub>0.04</sub> )(Nb <sub>0.86</sub> Ta <sub>0.1</sub> Sb <sub>0.04</sub> )O <sub>3</sub> ceramics: phase structure, electrical and photoluminescence properties. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2018</b> , 29, 4791-4800	2.1	5
61	Electric Field-Induced Large Strain in Ni/Sb-co Doped (Bi <sub>0.5</sub> Na <sub>0.5</sub> ) TiO <sub>3</sub> -Based Lead-Free Ceramics. <i>Journal of Electronic Materials</i> , <b>2018</b> , 47, 1512-1518	1.9	7
60	Poling effects on the structural, electrical and photoluminescence properties in Sm doped BCST piezoelectric ceramics. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 11312-11319	7.1	14
59	Influence of orientation on dielectric and ferroelectric properties of the BNT-BT-ST Thin films. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2018</b> , 29, 20952-20958	2.1	2
58	Effect of BiO content on the microstructure and electrical properties of SrBiNbO piezoelectric ceramics.. <i>RSC Advances</i> , <b>2018</b> , 8, 15613-15620	3.7	1
57	Strong red emission and enhanced electrostrain in (Bi <sub>0.5</sub> Na <sub>0.5</sub> ) <sub>0.935</sub> PrxBa <sub>0.065</sub> Ti <sub>1-x</sub> SbxO <sub>3</sub> lead-free multifunctional ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2018</b> , 29, 13810-13817 <sup>3</sup>	2.1	3 <sup>3</sup>

56	Strong up-conversion luminescence and electrical properties of SrBi <sub>4</sub> Ti <sub>4</sub> O <sub>15</sub> multifunctional ceramics by Er <sup>3+</sup> doping. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2017</b> , 28, 5840-5845	2.1	3
55	Bright upconversion emission and large strain in Er/Sb-codoped (Bi <sub>0.5</sub> Na <sub>0.5</sub> ) <sub>0.945</sub> Ba <sub>0.065</sub> TiO <sub>3</sub> ceramics. <i>Materials Letters</i> , <b>2017</b> , 193, 138-141	3.3	23
54	Rare-earth doped (K <sub>0.5</sub> Na <sub>0.5</sub> )NbO <sub>3</sub> multifunctional ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2017</b> , 28, 5288-5294	2.1	5
53	Strong Photoluminescence and Improved Electrical Properties in Eu-Modified SrBi <sub>4</sub> Ti <sub>4</sub> O <sub>15</sub> Multifunctional Ceramics. <i>Journal of Electronic Materials</i> , <b>2017</b> , 46, 4398-4404	1.9	5
52	The effect of SiO <sub>2</sub> on electrical properties of low-temperature-sintered ZnO:Bi <sub>2</sub> O <sub>3</sub> :TiO <sub>2</sub> :Co <sub>2</sub> O <sub>3</sub> :MnO <sub>2</sub> -based ceramics. <i>Journal of the American Ceramic Society</i> , <b>2017</b> , 100, 1057-1064	3.8	10
51	Ho-doped SrBi <sub>2</sub> Nb <sub>2</sub> O <sub>9</sub> multifunctional ceramics with bright green emission and good electrical properties. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2017</b> , 214, 1700276	1.6	2
50	Reddish orange-emitting and improved electrical properties of Sm <sub>2</sub> O <sub>3</sub> -doped SrBi <sub>4</sub> Ti <sub>4</sub> O <sub>15</sub> multifunctional ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2017</b> , 28, 16341-16347	2.1	5
49	Strong photoluminescence and high piezoelectric properties of Eu-doped (Ba <sub>0.99</sub> Ca <sub>0.01</sub> )(Ti <sub>0.98</sub> Zr <sub>0.02</sub> )O <sub>3</sub> ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2017</b> , 28, 16561-16569	2.1	7
48	Thickness dependent dielectric and piezoelectric properties of BNT/BT thin films. <i>Ferroelectrics</i> , <b>2017</b> , 516, 140-147	0.6	
47	Hydrothermal preparation and electrical properties of Aurivillius phase SrBi <sub>4</sub> Ti <sub>4</sub> O <sub>15</sub> ceramic. <i>Ferroelectrics</i> , <b>2017</b> , 516, 148-155	0.6	4
46	Improved Piezoelectricity in (K <sub>0.44</sub> Na <sub>0.52</sub> Li <sub>0.04</sub> )(Nb <sub>0.91</sub> Ta <sub>0.05</sub> Sb <sub>0.04</sub> )O <sub>3</sub> -xBi <sub>0.25</sub> Na <sub>0.25</sub> NbO <sub>3</sub> Lead-Free Piezoelectric Ceramics. <i>Journal of Electronic Materials</i> , <b>2017</b> , 46, 116-122	1.9	3
45	Improved piezoelectricity and high strain response of (1-x)(0.948K <sub>0.5</sub> Na <sub>0.5</sub> NbO <sub>3</sub> -(1-x)Bi <sub>2</sub> O <sub>3</sub> ) ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2017</b> , 28, 1211-1216	2.1	4
44	Strong photoluminescence and good electrical properties in Eu-modified SrBi <sub>2</sub> Nb <sub>2</sub> O <sub>9</sub> multifunctional ceramics. <i>Ceramics International</i> , <b>2016</b> , 42, 14849-14854	5.1	17
43	Strong red emission and enhanced ferroelectric properties in (Pr, Ce)-modified Na <sub>0.5</sub> Bi <sub>4.5</sub> Ti <sub>4</sub> O <sub>15</sub> multifunctional ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2016</b> , 27, 12216-12221	2.1	8
42	(K <sub>0.5</sub> Na <sub>0.5</sub> ) <sub>0.96</sub> Li <sub>0.04</sub> Nb <sub>0.86</sub> Ta <sub>0.14</sub> Sb <sub>0.04</sub> O <sub>3</sub> :BrZrO <sub>3</sub> ceramics with good fatigue-resistance and temperature-stable piezoelectric properties. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2016</b> , 27, 13249-13258	2.1	3
41	Varistor, Dielectric, and Luminescent Properties of Pr <sub>6</sub> O <sub>11</sub> -doped TiO <sub>2</sub> Multifunctional Ceramics. <i>Journal of the American Ceramic Society</i> , <b>2016</b> , 99, 2995-3001	3.8	10
40	Structure and electrical properties of lead-free Sr <sub>1-x/2</sub> (K,Ce) <sub>x/2</sub> (Na <sub>0.5</sub> Bi <sub>0.5</sub> )Bi <sub>4</sub> Ti <sub>5</sub> O <sub>18</sub> piezoelectric ceramics. <i>RSC Advances</i> , <b>2016</b> , 6, 13803-13808	3.7	4
39	Enhanced electrical properties of lead-free (1-x)(K <sub>0.44</sub> Na <sub>0.52</sub> Li <sub>0.04</sub> )(Nb <sub>0.91</sub> Ta <sub>0.05</sub> Sb <sub>0.04</sub> )O <sub>3</sub> :SrZrO <sub>3</sub> ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2016</b> , 27, 6535-6541	2.1	5

38	Dielectric, ferroelectric and field-induced strain response of lead-free (Fe, Sb)-modified (Bi 0.5 Na 0.5 ) 0.935 Ba 0.065 TiO 3 ceramics. <i>Ceramics International</i> , <b>2016</b> , 42, 9419-9425	5.1	18
37	Preparation and electrical properties of SrBi <sub>2</sub> Sm <sub>x</sub> Nb <sub>2</sub> O <sub>9</sub> lead-free piezoelectric ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2016</b> , 27, 2114-2119	2.1	5
36	Electric field-induced ultrahigh strain and large piezoelectric effect in Bi <sub>1/2</sub> Na <sub>1/2</sub> TiO <sub>3</sub> -based lead-free piezoceramics. <i>Journal of the European Ceramic Society</i> , <b>2016</b> , 36, 489-496	6	71
35	Influence of B-site non-stoichiometry on electrical properties of (K <sub>0.458</sub> Na <sub>0.542</sub> ) <sub>0.96</sub> Li <sub>0.04</sub> Nb <sub>0.85</sub> Ta <sub>0.15</sub> Sb <sub>x</sub> O <sub>3</sub> ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2016</b> , 27, 1197-1200	2.1	2
34	Electric Field Cycling Induced Large Electrostrain in Aged (K <sub>0.5</sub> Na <sub>0.5</sub> )NbO <sub>3</sub> Tu Lead-Free Piezoelectric Ceramics. <i>Journal of the American Ceramic Society</i> , <b>2016</b> , 99, 402-405	3.8	17
33	Enhanced electrical properties of (Li,Ce) co-doped Sr(Na <sub>0.5</sub> Bi <sub>0.5</sub> )Bi <sub>4</sub> Ti <sub>5</sub> O <sub>18</sub> high temperature piezoceramics. <i>RSC Advances</i> , <b>2016</b> , 6, 33387-33392	3.7	13
32	Bright upconversion emission and enhanced piezoelectric properties in Er-modified bismuth layer-structured SrCaBi <sub>4</sub> Ti <sub>5</sub> O <sub>18</sub> ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2016</b> , 27, 5259-5263	2.1	3
31	Enhanced dielectric and piezoelectric properties of (100) oriented Bi <sub>0.5</sub> Na <sub>0.5</sub> TiO <sub>3</sub> BaTiO <sub>3</sub> B <sub>r</sub> TiO <sub>3</sub> thin films. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2016</b> , 27, 8911-8915	2.1	1
30	Large strain response in (Mn,Sb)-modified (Bi 0.5 Na 0.5 ) 0.935 Ba 0.065 TiO 3 lead-free piezoelectric ceramics. <i>Ceramics International</i> , <b>2016</b> , 42, 14886-14893	5.1	19
29	Thermal stability and enhanced electrical properties of Er <sup>3+</sup> -modified Na <sub>0.5</sub> Bi <sub>4.5</sub> Ti <sub>4</sub> O <sub>15</sub> lead-free piezoelectric ceramics. <i>RSC Advances</i> , <b>2016</b> , 6, 94870-94875	3.7	8
28	Structure and electrical properties of (1-x)(Na <sub>0.5</sub> Bi <sub>0.5</sub> ) <sub>0.94</sub> Ba <sub>0.06</sub> TiO <sub>3</sub> -xSmAlO <sub>3</sub> lead-free piezoelectric ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2015</b> , 26, 122-127	2.1	4
27	Low-temperature sintering of high potential gradient B <sub>2</sub> O <sub>3</sub> -doped ZnO varistors. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2015</b> , 26, 4997-5000	2.1	8
26	Enhanced thermal stability and fatigue resistance in MTiO <sub>3</sub> -modified (K <sub>0.5</sub> Na <sub>0.5</sub> ) <sub>0.94</sub> Li <sub>0.06</sub> NbO <sub>3</sub> lead-free piezoelectric ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2015</b> , 26, 7867-7872	2.1	10
25	Structure and electrical properties of Bi <sub>1/2</sub> Na <sub>1/2</sub> TiO <sub>3</sub> -based lead-free piezoelectric ceramics. <i>RSC Advances</i> , <b>2015</b> , 5, 41646-41652	3.7	19
24	Lead-free electrostrictive (Bi <sub>0.5</sub> Na <sub>0.5</sub> )TiO <sub>3</sub> (Bi <sub>0.5</sub> K <sub>0.5</sub> )TiO <sub>3</sub> (K <sub>0.5</sub> Na <sub>0.5</sub> )NbO <sub>3</sub> ceramics with good thermostability and fatigue-free behavior. <i>Journal of Materials Science</i> , <b>2015</b> , 50, 5328-5336	4.3	43
23	Bismuth layer-structured piezoelectric ceramics with high piezoelectric constant and high temperature stability. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2015</b> , 26, 5686-5689	2.1	5
22	Investigation of structural and electrical properties of B-site complex ion (Nd <sub>1/2</sub> Ta <sub>1/2</sub> ) <sub>4+</sub> -doped Bi <sub>1/2</sub> Na <sub>1/2</sub> TiO <sub>3</sub> lead-free piezoelectric ceramic. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2015</b> , 26, 5409-5415	2.1	2
21	Dielectric, ferroelectric and piezoelectric properties of Ca <sub>0.1</sub> Sr <sub>0.9</sub> Bi <sub>2</sub> Nb <sub>2</sub> O <sub>9</sub> ceramic. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2015</b> , 26, 8740-8746	2.1	17

20	Large strain response and fatigue-resistant behavior in lead-free Bi <sub>0.5</sub> (Na <sub>0.80</sub> K <sub>0.20</sub> ) <sub>0.5</sub> TiO <sub>3</sub> (K <sub>0.5</sub> Na <sub>0.5</sub> )MO <sub>3</sub> (M = Sb, Ta) ceramics. <i>RSC Advances</i> , <b>2015</b> , 5, 82605-82616	3.7	32
19	Largely enhanced piezoelectric and luminescent properties of Er doped BST ceramics. <i>RSC Advances</i> , <b>2015</b> , 5, 91903-91907	3.7	8
18	Nonlinear electrical properties of MnO <sub>2</sub> -doped TiO <sub>2</sub> capacitor varistor ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2015</b> , 26, 7232-7237	2.1	4
17	High strain in (Bi <sub>1/2</sub> Na <sub>1/2</sub> ) <sub>0.935</sub> Ba <sub>0.065</sub> TiO <sub>3</sub> Br <sub>3</sub> FeNb <sub>2</sub> O <sub>9</sub> lead-free ceramics with giant piezoresponse. <i>RSC Advances</i> , <b>2015</b> , 5, 90508-90514	3.7	14
16	Microstructure and piezoelectric properties of Ho <sub>2</sub> O <sub>3</sub> doped (K <sub>0.4</sub> Na <sub>0.6</sub> ) <sub>0.95</sub> Li <sub>0.05</sub> Nb <sub>0.95</sub> Sb <sub>0.05</sub> O <sub>3</sub> lead-free ceramics near the rhombohedral↔orthorhombic phase boundary. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2015</b> , 26, 9654-9660	2.1	2
15	Effect of (Bi <sub>0.5</sub> K <sub>0.5</sub> )TiO <sub>3</sub> on the electrical properties, thermal and fatigue behavior of (K <sub>0.5</sub> Na <sub>0.5</sub> )NbO <sub>3</sub> -based lead-free piezoelectrics. <i>Journal of Materials Research</i> , <b>2015</b> , 30, 2018-2029	2.5	10
14	Rational design of SnO <sub>2</sub> aggregation nanostructure with uniform pores and its supercapacitor application. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2015</b> , 26, 6143-6147	2.1	8
13	Properties of B-site non-stoichiometric (K <sub>0.5</sub> Na <sub>0.5</sub> )(Nb <sub>0.9</sub> Ta <sub>0.1</sub> ) <sub>1+x</sub> O <sub>3</sub> lead-free piezoelectric ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2014</b> , 25, 1085-1088	2.1	2
12	Low-temperature sintering and electrical properties of Co-doped ZnO varistors. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2014</b> , 25, 3878-3884	2.1	23
11	SmAlO <sub>3</sub> -modified (K <sub>0.5</sub> Na <sub>0.5</sub> ) <sub>0.95</sub> Li <sub>0.05</sub> Sb <sub>0.05</sub> Nb <sub>0.95</sub> O <sub>3</sub> lead-free ceramics with a wide sintering temperature range. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2013</b> , 178, 1027-1031	3.1	6
10	Structure and electrical properties of the Ho <sub>2</sub> O <sub>3</sub> doped 0.82Bi <sub>0.5</sub> Na <sub>0.5</sub> TiO <sub>3</sub> 0.18Bi <sub>0.5</sub> K <sub>0.5</sub> TiO <sub>3</sub> lead-free piezoelectric ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2012</b> , 23, 2167-2172 <sup>1</sup>	2.1	10
9	Temperature Stability in Dy-Doped (Ba <sub>0.99</sub> Ca <sub>0.01</sub> )(Ti <sub>0.98</sub> Zr <sub>0.02</sub> )O <sub>3</sub> Lead-Free Ceramics with High Piezoelectric Coefficient. <i>Journal of the American Ceramic Society</i> , <b>2011</b> , 94, 3181-3183	3.8	57
8	Large Piezoelectric Coefficient in (Ba <sub>1-x</sub> Cax)(Ti <sub>0.96</sub> Sn <sub>0.04</sub> )O <sub>3</sub> Lead-Free Ceramics. <i>Journal of the American Ceramic Society</i> , <b>2011</b> , 94, 4131-4133	3.8	80
7	Impedance spectroscopy analysis for high-T <sub>c</sub> BaTiO <sub>3</sub> -(Bi <sub>1/2</sub> Na <sub>1/2</sub> )TiO <sub>3</sub> lead-free PTCR ceramics. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2011</b> , 208, 1099-1104	1.6	3
6	DIELECTRIC AND FERROELECTRIC PROPERTIES OF (Li, Ce)-DOPED Sr <sub>2</sub> Bi <sub>4</sub> Ti <sub>5</sub> O <sub>18</sub> LEAD-FREE CERAMICS. <i>Journal of Advanced Dielectrics</i> , <b>2011</b> , 01, 439-445	1.3	4
5	Single-Calcination Synthesis of Pyrochlore Free Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> Powders Using Particle-Coating Method. <i>Journal of the American Ceramic Society</i> , <b>2010</b> , 93, 18-21	3.8	2
4	Piezoelectric and Dielectric Properties of (Ba <sub>1-x</sub> Cax)(Ti <sub>0.95</sub> Zr <sub>0.05</sub> )O <sub>3</sub> Lead-Free Ceramics. <i>Journal of the American Ceramic Society</i> , <b>2010</b> , 93, 2942-2944	3.8	151
3	Enhanced temperature stability of modified (K <sub>0.5</sub> Na <sub>0.5</sub> ) <sub>0.94</sub> Li <sub>0.06</sub> NbO <sub>3</sub> lead-free piezoelectric ceramics. <i>Journal of Materials Science</i> , <b>2009</b> , 44, 6162-6166	4.3	9

- 2 Study on high temperature performances for bismuth layer-structured  $(\text{Sr}_{1-x}\text{Ca}_x)_2\text{Bi}_4\text{Ti}_5\text{O}_{18}$  ( $0 \leq x \leq 1$ ) ceramics. *Journal of Alloys and Compounds*, **2009**, 487, 585-590 5-7 28
- 1 A Novel Hybrid Method of Sol-Gel and Ultrasonic Atomization Synthesis and Piezoelectric Properties of  $\text{SrBi}_4\text{Ti}_4\text{O}_{15}$  Ceramics. *Journal of the American Ceramic Society*, **2008**, 91, 910-913 3-8 13