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List of Publications by Year in descending order

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104
papers

983
citations

567281

15
h-index

477307

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106
all docs

106
docs citations

106
times ranked

859
citing authors

#	ARTICLE	IF	CITATIONS
1	Dielectric and magnetic enhancements in BiFeO ₃ –PbTiO ₃ solid solutions with La doping. Applied Physics Letters, 2006, 89, 122911.	3.3	100
2	High temperature dielectric, ferroelectric and piezoelectric properties of Mn-modified BiFeO ₃ -BaTiO ₃ lead-free ceramics. Journal of Materials Science, 2017, 52, 229-237.	3.7	96
3	Excellent thermal stability and aging behaviors in BiFeO ₃ –BaTiO ₃ piezoelectric ceramics with rhombohedral phase. Journal of the American Ceramic Society, 2020, 103, 374-381.	3.8	83
4	Remarkable piezoelectricity and stable high-temperature dielectric properties of quenched BiFeO ₃ –BaTiO ₃ ceramics. Journal of the American Ceramic Society, 2017, 100, 5573-5583.	3.8	49
5	Reduced Dielectric Loss and Strain Hysteresis in Fe and Mn Comodified High-temperature BiScO ₃ –PbTiO ₃ Ceramics. Journal of the American Ceramic Society, 2014, 97, 3890-3896.	3.8	48
6	Temperature dependence of the dielectric and piezoelectric properties of xBiFeO ₃ –(1–x)BaTiO ₃ ceramics near the morphotropic phase boundary. Journal of Materials Science, 2017, 52, 10726-10737.	3.7	42
7	High Electric-Induced Strain and Temperature-Dependent Piezoelectric Properties of 0.75BF _{0.25} BZT Lead-Free Ceramics. Journal of the American Ceramic Society, 2016, 99, 536-542.	3.8	38
8	Piezoelectric performances of lead-reduced (1–x)(Bi _{0.9} La _{0.1})(Ga _{0.05} Fe _{0.95})O ₃ -x(Pb _{0.9} Ba _{0.1})TiO ₃ crystalline solutions in the morphotropic phase boundary. Journal of Applied Physics, 2004, 96, 6611-6615.	2.5	34
9	Crystalline orientation dependence of nanomechanical properties of Pb(Zr _{0.52} Ti _{0.48})O ₃ thin films. Applied Physics Letters, 2005, 86, 162903.	3.3	33
10	Improved dielectric tunability of PZT/BST multilayer thin films on Ti substrates. Journal of Alloys and Compounds, 2017, 725, 54-59.	5.5	28
11	Ferroelectric enhancement in heterostructured ZnO–BiFeO ₃ -PbTiO ₃ film. Applied Physics Letters, 2006, 89, 212906.	3.3	27
12	Reduced dielectric loss and enhanced piezoelectric properties of Mn modified 0.71BiFeO ₃ –0.29BaTiO ₃ ceramics sintered under oxygen atmosphere. Journal of Materials Science: Materials in Electronics, 2017, 28, 1370-1377.	2.2	23
13	Large and temperature-insensitive piezoelectric strain in xBiFeO ₃ –(1–x)Ba(Zr _{0.05} Ti _{0.95})O ₃ lead-free piezoelectric ceramics. Journal of Materials Science, 2019, 54, 1153-1161.	3.7	19
14	Synthesis and visible light photocatalytic properties of Bi ₂ Fe ₄ O ₉ particles via EDTA-assisted sol–gel route. Journal of Sol-Gel Science and Technology, 2016, 78, 135-143.	2.4	17
15	Enhanced piezoelectric performance of (0.98–x)Bi(Sc _{3/4} In _{1/4})O ₃ -xPbTiO ₃ -0.02Pb(Zn _{1/3} Nb _{2/3})O ₃ ternary high temperature piezoelectric ceramics. Journal of Applied Physics, 2013, 113, .	2.5	15
16	Enhanced dielectric and ferroelectric properties of PZT thin films derived by an ethylene glycol modified sol–gel method. Journal of Sol-Gel Science and Technology, 2017, 82, 530-535.	2.4	15
17	Correlation between grain size and electrical properties of high-temperature lead-free 0.70BiFeO ₃ –0.30BaTiO ₃ ceramics. Journal of the American Ceramic Society, 2022, 105, 862-872.	3.8	15
18	Controllable phase evolution of bismuth ferrite oxides by an organic additive modified hydrothermal method. Ceramics International, 2015, 41, S106-S110.	4.8	14

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19	Enhanced tunability of sandwich-like structural barium strontium titanate thin films on stainless steel substrates. <i>Journal of Materials Science</i> , 2016, 51, 8414-8421.	3.7	14
20	Enhanced aging behaviors and electric thermal stabilities in $0.75\text{BiFeO}_3 \text{--} 0.25\text{BaTiO}_3$ piezoceramics by Mn modifications. <i>Journal of the American Ceramic Society</i> , 2021, 104, 5547-5556.	3.8	14
21	Low dielectric loss and enhanced tunable properties of Cr-doped barium strontium titanate solid solution. <i>Journal of Materials Science: Materials in Electronics</i> , 2006, 17, 587-591.	2.2	13
22	Transmission electron microscopy study of multiferroic $(\text{Bi}_{1-x}\text{La}_x)\text{FeO}_3 \text{--} \text{PbTiO}_3$ with $x=0.1, 0.2$, and 0.3 . <i>Applied Physics Letters</i> , 2007, 90, 182904.	3.3	13
23	Investigation of $(1-x)(\text{Bi}_{0.94}\text{La}_{0.06})(\text{Ga}_{0.05}\text{Fe}_{0.95})\text{O}_3 \text{--} x\text{PbTiO}_3$ ceramics for high temperature applications. <i>Ceramics International</i> , 2014, 40, 13299-13303.	4.8	12
24	Fabrication and characterization of compositionally graded $\text{Pb}_x\text{Sr}_{1-x}\text{TiO}_3$ thin films by the Sol-gel method. <i>Journal of Sol-Gel Science and Technology</i> , 2015, 73, 278-282.	2.4	11
25	Improved ferroelectric properties of (100)-oriented PZT thin films deposited on stainless steel substrates with $\text{La}_{0.5}\text{Sr}_{0.5}\text{CoO}_3$ buffer layers. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 14651-14656.	2.2	11
26	A high temperature piezoelectric ceramic: $(1-x)(\text{Bi}_{0.9}\text{La}_{0.1})\text{FeO}_3 \text{--} x\text{PbTiO}_3$ crystalline solutions. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2009, 56, 1820-1825.	3.0	10
27	Enhanced dielectric and piezoelectric properties in BaZrO_3 modified $\text{BiFeO}_3 \text{--} \text{PbTiO}_3$ high temperature ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 7100-7104.	2.2	10
28	Low dielectric dissipation and enhanced tunability of $\text{Ba}_{0.6}\text{Sr}_{0.4}\text{TiO}_3$ thin films by the modified composition and multilayer structure. <i>Journal of Electroceramics</i> , 2008, 21, 668-671.	2.0	9
29	Effects of LaNiO_3 buffer layer on improving the dielectric properties of barium strontium titanate thin films on stainless steel substrates. <i>Journal of Sol-Gel Science and Technology</i> , 2016, 80, 848-852.	2.4	9
30	Structural and multiferroic characterization of $\text{BiFeO}_3 \text{--} \text{PbTiO}_3$ -based solid solution with an extra phase. <i>Ceramics International</i> , 2018, 44, 23315-23319.	4.8	9
31	Orientation controlling of $\text{Pb}(\text{Zr}_{0.53}\text{Ti}_{0.47})\text{O}_3$ thin films prepared on silicon substrates with the thickness of $\text{La}_{0.5}\text{Sr}_{0.5}\text{CoO}_3$ electrodes. <i>Journal of Materials Science: Materials in Electronics</i> , 2010, 21, 514-518.	2.2	8
32	Low-temperature sintering of $\text{BF}_0\text{--}x\text{PT}_x\text{--}y\text{BZ}$ ternary solid solutions with enhanced piezoelectric properties. <i>Journal of the American Ceramic Society</i> , 2019, 102, 5958-5965.	3.8	8
33	Effects of LNO buffer layers on electrical properties of BFO-PT thin films on stainless steel substrates. <i>Journal of Alloys and Compounds</i> , 2019, 784, 231-236.	5.5	8
34	Predicting the structural, electronic and magnetic properties of few atomic-layer polar perovskite. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 5578-5582.	2.8	8
35	Synthesis and Photocatalytic Property of Preferred-oriented $\text{Bi}_2\text{Fe}_4\text{O}_9$ Crystals by Using Different Organic Additives. <i>Ferroelectrics</i> , 2013, 453, 93-99.	0.6	7
36	Enhanced high-field strain and reduced high-temperature dielectric loss in $0.6(\text{Bi}_{0.9}\text{La}_{0.1})(\text{Fe}_{1-x}\text{Ti}_x)\text{O}_3 \text{--} 0.4\text{PbTiO}_3$ piezoelectric ceramics. <i>Ceramics International</i> , 2015, 41, 1617-1621.	4.8	7

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37	Enhanced dielectric and piezoelectric properties of Mn modified $0.65(\text{Bi}_{0.95}\text{La}_{0.05})\text{FeO}_3\text{-}0.35\text{Pb}(\text{Ti}_{1-x}\text{Mn}_x)\text{O}_3$ ceramics. Journal of Materials Science: Materials in Electronics, 2016, 27, 6823-6828.	2.2	7
38	High-temperature $\text{BiFeO}_3\text{-PbTiO}_3\text{-Ba}(\text{Zr,Ti})\text{O}_3$ ternary ceramics with excellent piezoelectricity. Journal of the American Ceramic Society, 2021, 104, 4687-4694.	3.8	7
39	Enhanced ferroelectric and ferromagnetic properties of $\text{BiFeO}_3\text{-PbTiO}_3$ multiferroic solid solutions with Ba substitutions. Journal of the American Ceramic Society, 2020, 103, 6265-6271.	3.8	6
40	Structure and electrical properties of PZT/LNO/PT multilayer films on stainless steel substrates. Rare Metals, 2012, 31, 272-275.	7.1	5
41	Fabrication of $0.6(\text{Bi}_{0.85}\text{La}_{0.15})\text{FeO}_3\text{-}0.4\text{PbTiO}_3$ Multiferroic Ceramics by Tape Casting Method. Materials Research Society Symposia Proceedings, 2013, 1547, 61-66.	0.1	5
42	Investigation of the $(1-x)(\text{Bi}_{0.85}\text{La}_{0.15})\text{FeO}_3\text{-}x\text{PbTiO}_3$ multilayered ceramics by tape casting. Ceramics International, 2015, 41, S314-S318.	4.8	5
43	Investigation of electrical properties in La-doped $\text{BiFeO}_3\text{-PbTiO}_3$ thin films prepared by sol-gel method. Journal of Sol-Gel Science and Technology, 2015, 76, 220-226.	2.4	5
44	Ferroelectric behavior of La and Mn co-doped $\text{BiFeO}_3\text{-PbTiO}_3$ thin films prepared by sol-gel method. Journal of Sol-Gel Science and Technology, 2018, 85, 431-435.	2.4	5
45	The effect of cooling rate on structural and electrical properties of multiferroic BLF-PT ceramics. Journal of the American Ceramic Society, 2018, 101, 5497-5502.	3.8	5
46	Effect of SnO_2 doping on electric field-induced antiferroelectric-to-ferroelectric phase transition of $\text{Pb}(\text{Yb}_{1/2}\text{Nb}_{1/2})_{0.98}\text{Sn}_{0.02}\text{O}_3$ ceramics. Journal of Alloys and Compounds, 2020, 821, 153468.	5.5	5
47	High Weight-Specific Power Density of Thin-Film Amorphous Silicon Solar Cells on Graphene Papers. Nanoscale Research Letters, 2019, 14, 324.	5.7	5
48	Structural and Multiferroic Properties of $1-x(\text{Bi}_{0.85}\text{La}_{0.15})\text{FeO}_3\text{-}x\text{PbTiO}_3$ Solid Solutions. Integrated Ferroelectrics, 2013, 141, 9-17.	0.7	4
49	Enhanced piezoelectric strain of $\text{BiFeO}_3\text{-Ba}(\text{Zr}_{0.02}\text{Ti}_{0.98})\text{O}_3$ lead-free ceramics near the phase boundary. International Journal of Applied Ceramic Technology, 2020, 17, 1348-1353.	2.1	4
50	The dielectric properties of $\text{Ba}_{0.6}\text{Sr}_{0.4}\text{Cr}_x\text{Ti}_{1-x}\text{O}_3$ thin films prepared by pulsed laser deposition. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2008, 55, 1029-1033.	3.0	3
51	Synthesis and photocatalytic property of Ba-doped BiFeO_3 nanoparticles. , 2010, , .		3
52	PEG-Assisted Hydrothermal Synthesis and Photocatalytic Activity of $\text{Bi}_2\text{Fe}_4\text{O}_9$ Crystallites. Materials Research Society Symposia Proceedings, 2011, 1292, 143.	0.1	3
53	Fabrication and electrical properties of $0.7\text{BiFeO}_3\text{-}0.3\text{PbTiO}_3$ films on stainless steel by the sol-gel method. Materials Research Society Symposia Proceedings, 2012, 1449, 53.	0.1	3
54	Piezoelectric properties of low loss and high Curie temperature $(\text{Bi, La})\text{FeO}_3\text{-Pb}(\text{Ti, Mn})\text{O}_3$ ceramics with Mn doping. Rare Metals, 2012, 31, 595-598.	7.1	3

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55	Orientation of PZT thin films prepared by sol-gel techniques. , 0, , .		2
56	Dielectric and piezoelectric enhancements in the BiFeO ₃ -PbTiO ₃ solid solutions with Gd doping. , 2009, , .		2
57	Effects of gallium on the structure and electrical properties of 0.65 (Ga _x Fe _{1-x})O ₃ -0.35PbTiO ₃ ceramics. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2009, 56, 1826-1830.	3.0	2
58	Detection of Multiple Samples Based on AlGaIn/GaN High Electron Mobility Transistors and Magnetic Microbeads. Electroanalysis, 2019, 31, 2404-2409.	2.9	2
59	Thickness-dependent dielectric and electrocaloric properties of Pb _{0.85} La _{0.1} (Zr _{0.85} Ti _{0.15})O ₃ antiferroelectric thin films on stainless steel substrates. Journal of Materials Science: Materials in Electronics, 2022, 33, 399-405.	2.2	2
60	Effects of La Concentration on the Structural and Dielectric Properties of 0.57BiFeO ₃ -0.43PbTiO ₃ Crystalline Solutions. Applications of Ferroelectrics, IEEE International Symposium on, 2007, , .	0.0	1
61	Effect of V ₂ O ₅ on the sintering behavior, microstructure, and electrical properties of (Na _{0.5} K _{0.5})NbO ₃ ceramics. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2008, 55, 994-999.	3.0	1
62	Composition dependence of xBiFeO ₃ -(1-x)PbTiO ₃ films prepared by sol-gel technique. , 2009, , .		1
63	Fabrication and characterization of Ti modified BiFeO ₃ -PbTiO ₃ high temperature piezoelectric ceramics. , 2010, , .		1
64	Characterization of Textured PZT Thin Films Prepared by Sol-gel Method onto Stainless Steel Substrates. Materials Research Society Symposia Proceedings, 2011, 1299, 1.	0.1	1
65	Preparation and Characterization of Pb(Zr,Ti)O ₃ films prepared by a modified sol-gel route. Materials Research Society Symposia Proceedings, 2012, 1449, 41.	0.1	1
66	Dielectric and Piezoelectric Properties of Gd-modified (1-x) BiFeO ₃ -xPbTiO ₃ Ceramics with a Morphotropic Phase Boundary. Materials Research Society Symposia Proceedings, 2013, 1507, 1.	0.1	1
67	Controllable Synthesis of Different Bismuth Ferrites by a PVA Modified Hydrothermal Method and Photocatalytic Characterization. Materials Research Society Symposia Proceedings, 2013, 1552, 35-41.	0.1	1
68	Structure, dielectric, and piezoelectric properties of (0.97-x)BiScO ₃ -xPbTiO ₃ -0.03Pb(Mn ^{1/3} Nb ^{2/3})O ₃ high temperature and high power piezoelectric ceramics. , 2014, , .		1
69	Enhanced Photocatalytic Activity in Bi _{1-x} Ba _x FeO ₃ Prepared by a PEG400 Assisted Sol-Gel Method. Journal of Electronic Materials, 2018, 47, 3622-3627.	2.2	1
70	Ferroelectric and dielectric properties of BF-PT/LNO thin films on different substrates. Journal of Materials Science: Materials in Electronics, 2021, 32, 3334-3340.	2.2	1
71	Thickness-dependent dielectric and ferroelectric properties of 0.7Bi(Fe _{0.98} Mn _{0.02})O ₃ -0.3PbTiO ₃ thin films on stainless steel substrates. Journal of Materials Science: Materials in Electronics, 2022, 33, 13939-13946.	2.2	1
72	Enhanced insulation and piezoelectric properties of 0.57(Bi _{0.8} La _{0.2})FeO ₃ -0.43PbTiO ₃ solid solutions with Fe addition. Journal of the American Ceramic Society, 2022, 105, 6302-6310.	3.8	1

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73	Characterization of Lead Zirconate Titanate Powders Prepared by a Hydrothermal Method. Materials Research Society Symposia Proceedings, 2005, 902, 1.	0.1	0
74	Electrical Properties of Lead Zirconate Titanate Thin Films by a Hydrothermal Method. , 2006, , .		0
75	Dielectric Properties of (Ba, Sr, Ca)TiO ₃ Ceramics for Tunable Microwave Devices. Applications of Ferroelectrics, IEEE International Symposium on, 2006, , .	0.0	0
76	Structural and Electrical Properties of BiFeO ₃ Thin Films Prepared by the Pulsed Laser Deposition Method. Applications of Ferroelectrics, IEEE International Symposium on, 2006, , .	0.0	0
77	Dielectric Tunability Properties and Thermal Stability of (Ba,Sr,Ca)TiO ₃ Thin Films Prepared by the Sol-Gel Method. Materials Research Society Symposia Proceedings, 2006, 966, 1.	0.1	0
78	Synthesis and Dielectric properties of BiFeO ₃ -PbTiO ₃ films prepared by sol-gel method. Applications of Ferroelectrics, IEEE International Symposium on, 2007, , .	0.0	0
79	Multiferroic Properties of La, Ba Co-Modified BiFeO ₃ -PbTiO ₃ Crystalline Solutions. Applications of Ferroelectrics, IEEE International Symposium on, 2007, , .	0.0	0
80	The dielectric properties of Ba _{0.6} Sr _{0.4} Cr _x Ti _{1-x} O ₃ thin films prepared by pulsed laser deposition. Applications of Ferroelectrics, IEEE International Symposium on, 2007, , .	0.0	0
81	Multiferroic Double-layer BiFeO ₃ -CoFe ₂ O ₄ Composite Films Prepared by Pulsed-Laser Deposition. Applications of Ferroelectrics, IEEE International Symposium on, 2007, , .	0.0	0
82	Structural and Dielectric Properties of Pb(Zr _{0.53} Ti _{0.47})O ₃ Thin Films Grown on LaNiO ₃ Buffered Si Substrates. Applications of Ferroelectrics, IEEE International Symposium on, 2007, , .	0.0	0
83	Improvement in Dielectric and Tunable Properties of Fe-Doped Ba _{0.6} Sr _{0.4} TiO ₃ Thin Films Grown by Pulsed Laser Deposition. Applications of Ferroelectrics, IEEE International Symposium on, 2007, , .	0.0	0
84	Effects of LSCO Buffer Layer on the Microstructure and Dielectric Properties of Ba _{0.6} Sr _{0.4} TiO ₃ Films Prepared by Sol-gel Methods. Materials Research Society Symposia Proceedings, 2009, 1199, 60.	0.1	0
85	Effect of La substitution on the structure and multiferroic properties of BiFeO ₃ -PbTiO ₃ crystalline solutions. , 2009, , .		0
86	Enhanced dielectric and ferroelectric properties of 0.57(Bi,La)FeO ₃ -0.43PbTiO ₃ multiferroic ceramics by the Ti substitution. , 2009, , .		0
87	The influence of top electrode on 0.6(Bi _{0.85} La _{0.15})FeO ₃ -0.4PbTiO ₃ thin film. , 2009, , .		0
88	Effects of La _{0.5} Sr _{0.5} CoO ₃ buffer layers on the structure and properties of Pb(Zr _{0.53} Ti _{0.47})O ₃ -CoFe ₂ O ₄ composite films. , 2010, , .		0
89	The dependence of optical properties on composition in BFO-PT thin films. , 2010, , .		0
90	Intragrain compositional gradient barium strontium titanate ceramics fabricated by a sol-assisted sintering technology. , 2010, , .		0

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91	The study of BST buffered BiFeO ₃ /thin film. , 2010, , .		0
92	Nonlinear Dielectric and Piezoelectric Responses in (Bi, La)FeO ₃ -Pb(Ti, Mn)O ₃ Ceramics. Materials Research Society Symposia Proceedings, 2012, 1397, 52.	0.1	0
93	Effects of La _{0.5} Sr _{0.5} CoO ₃ sol concentration on the microstructure and dielectric properties of Ba _{0.6} Sr _{0.4} TiO ₃ films prepared by sol-gel method on Ti substrate. Materials Research Society Symposia Proceedings, 2012, 1494, 253-258.	0.1	0
94	Sintering and Dielectric Properties of SrTiO ₃ -based Ceramics. Materials Research Society Symposia Proceedings, 2012, 1397, 45.	0.1	0
95	Dielectric properties of Barium Strontium Calcium Titanate ceramics with compositional inhomogeneity. , 2014, , .		0
96	Multilayer BiFeO ₃ /PbTiO ₃ Multiferroic Ceramic Composites Prepared by Tape Casting. Materials Research Society Symposia Proceedings, 2014, 1675, 99-104.	0.1	0
97	Enhanced piezoelectric properties of 0.60 BiFeO ₃ -0.35 PbTiO ₃ -0.05 Pb(Zn _{1/3} Nb _{2/3})O ₃ ceramics for high temperature applications. , 2014, , .		0
98	Effect of HTAC on preparation of supercapacitors based on nanocomposites of MnO ₂ : HTAC by direct electrodeposition. , 2015, , .		0
99	High temperature “Hard” piezoelectric ceramics of BiScO ₃ -PbTiO ₃ -Pb(Nb, Mn)O ₃ with Fe ₂ O ₃ addition. , 2015, , .		0
100	Enhanced piezoelectric properties and electric thermal stability of high temperature BiFeO ₃ -PbTiO ₃ -BaTiO ₃ piezoelectric ceramics with Bi ₂ O ₃ excess. , 2021, , .		0
101	Effect of sintering temperature on 0.75BiFeO ₃ -0.25BaTiO ₃ of lead free high temperature piezoelectric ceramics. , 2021, , .		0
102	Dielectric properties of Barium Strontium Calcium Titanate ceramics with compositional inhomogeneity. , 2014, , .		0
103	Enhanced piezoelectric properties of 0.60 BiFeO ₃ -0.35 PbTiO ₃ -0.05 Pb(Zn _{1/3} Nb _{2/3})O ₃ ceramics for high temperature applications. , 2014, , .		0
104	Structure, dielectric, and piezoelectric properties of (0.97-x)BiScO ₃ -xPbTiO ₃ -0.03Pb(Mn _{1/3} Nb _{2/3})O ₃ high temperature and high power piezoelectric ceramics. , 2014, , .		0