# Chen Ang

List of Publications by Year
in descending order

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| 59 | 4,315 | 126907 | 133252 |
|---|---|---|---|
| papers | citations | 33 | 59 |
| | | h-index | g-index |

| 59 | 59 | 59 | 2947 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Oxygen-vacancy-related low-frequency dielectric relaxation and electrical conduction inBi:SrTiO3. Physical Review B, 2000, 62, 228-236. | 3.2 | 867 |
| 2 | Piezoelectric and strain properties of Ba(Ti1â^'xZrx)O3 ceramics. Journal of Applied Physics, 2002, 92, 1489-1493. | 2.5 | 411 |
| 3 | Ferroelectric-relaxor behavior of Ba(Ti0.7Zr0.3)O3 ceramics. Journal of Applied Physics, 2002, 92, 2655-2657. | 2.5 | 242 |
| 4 | Maxwellâ€"Wagner polarization in ceramic composites BaTiO3â€"(Ni0.3Zn0.7)Fe2.1O4. Journal of Applied Physics, 2002, 91, 794-797. | 2.5 | 235 |
| 5 | Dielectric properties and high tunability of Ba(Ti0.7Zr0.3)O3 ceramics under dc electric field. Applied Physics Letters, 2002, 81, 1285-1287. | 3.3 | 159 |
| 6 | Bi:SrTiO3:A quantum ferroelectric and a relaxor. Physical Review B, 1998, 57, 7403-7406. | 3.2 | 146 |
| 7 | dc electric-field dependence of the dielectric constant in polar dielectrics: Multipolarization mechanism model. Physical Review B, 2004, 69, . | 3.2 | 146 |
| 8 | Dielectric relaxor and ferroelectric relaxor: Bi-doped paraelectric SrTiO3. Journal of Applied Physics, 2002, 91, 1487-1494. | 2.5 | 128 |
| 9 | Impurity-induced ferroelectric relaxor behavior in quantum paraelectricSrTiO3and ferroelectricBaTiO3. Physical Review B, 2000, 61, 957-961. | 3.2 | 122 |
| 10 | Dielectric spectra and electrical conduction in Fe-dopedSrTiO3. Physical Review B, 2000, 61, 3922-3926. | 3.2 | 109 |
| 11 | Dielectric properties of Ba(Ti1â^'xZrx)O3 solid solutions. Materials Letters, 2007, 61, 326-329. | 2.6 | 104 |
| 12 | Ferroelectric relaxor Ba(Ti,Ce)O3. Journal of Physics Condensed Matter, 2002, 14, 8901-8912. | 1.8 | 98 |
| 13 | Piezoelectric and electrostrictive strain behavior of Ce-doped BaTiO3 ceramics. Applied Physics Letters, 2002, 80, 3424-3426. | 3.3 | 93 |
| 14 | Oxygen-vacancy-related dielectric anomalies in La:SrTiO3. Applied Physics Letters, 1999, 74, 3044-3046. | 3.3 | 84 |
| 15 | Dielectric properties of Ba(Ti1â^'yYy)O3 ceramics. Journal of Applied Physics, 1998, 84, 983-986. | 2.5 | 83 |
| 16 | Dielectric behavior of paraelectricKTaO3,CaTiO3,and(Ln1/2Na1/2)TiO3under a dc electric field. Physical Review B, 2001, 64, . | 3.2 | 81 |
| 17 | Dielectric and ultrasonic anomalies at 16, 37, and 65 K inSrTiO3. Physical Review B, 1999, 59, 6661-6664. | 3.2 | 77 |
| 18 | Dielectric relaxation modes in bismuth-dopedSrTiO3:â€ƒThe relaxor behavior. Physical Review B, 1999, 59, 6670-6674. | 3.2 | 77 |

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|---|---|---|---|
| 19 | Dielectric properties of Bi doped SrTiO3 ceramics in the temperature range 500â€“800 K. Journal of Applied Physics, 1998, 83, 4874-4877. | 2.5 | 68 |
| 20 | Variable-range-hopping conduction and dielectric relaxation in disorderedSr0.97(Ti1â^'xFex)O3â^'Î´. Physical Review B, 1998, 57, 11858-11861. | 3.2 | 64 |
| 21 | Dielectric anomalies in bismuth-dopedSrTiO3:â€ƒDefect modes at low impurity concentrations. Physical Review B, 1999, 59, 6665-6669. | 3.2 | 63 |
| 22 | Calculation of dielectric constant and loss of two-phase composites. Journal of Applied Physics, 2003, 93, 3475-3480. | 2.5 | 57 |
| 23 | High capacitance-temperature sensitivity and â€œgiantâ€•dielectric constant in SrTiO3. Applied Physics Letters, 2007, 90, 202903. | 3.3 | 46 |
| 24 | Dielectric properties of from to Hz in the temperature range 85 - 700 K. Journal of Physics Condensed Matter, 1997, 9, 3081-3088. | 1.8 | 45 |
| 25 | Low-temperature dielectric relaxation in the pyrochlore (Bi3/4Zn1/4)2(Zn1/4Ta3/4)2O7 compound. Applied Physics Letters, 2002, 80, 4807-4809. | 3.3 | 42 |
| 26 | High remnant polarization in (Sr0.7Bi0.2)TiO3â€“(Na0.5Bi0.5)TiO3 solid solutions. Applied Physics Letters, 2009, 95, . | 3.3 | 42 |
| 27 | Cluster polarization of Cd2Nb2O7 compound. Applied Physics Letters, 2000, 77, 732-734. | 3.3 | 41 |
| 28 | Dielectric loss and defect mode of SrTiO3 thin films under direct-current bias. Applied Physics Letters, 2001, 78, 2754-2756. | 3.3 | 38 |
| 29 | Dielectric loss modes of SrTiO3 thin films deposited on different substrates. Applied Physics Letters, 2002, 80, 1034-1036. | 3.3 | 37 |
| 30 | Effect of electric field and post-treatment on dielectric behavior of SrTiO3 single crystal. Journal of Applied Physics, 2000, 87, 3937-3940. | 2.5 | 36 |
| 31 | Phonon-coupled impurity dielectric modes inSr1â^'1.5xBixTiO3. Physical Review B, 2000, 61, 11363-11366. | 3.2 | 36 |
| 32 | Effect of dc bias on dielectric properties of Cd2Nb2O7 ceramics. Journal of Applied Physics, 2001, 90, 2465-2468. | 2.5 | 36 |
| 33 | Dielectric loss of SrTiO3 single crystals under direct current bias. Applied Physics Letters, 2000, 76, 1929-1931. | 3.3 | 34 |
| 34 | Dielectric behavior of PbZr0.52Ti0.48O3 thin films: Intrinsic and extrinsic dielectric responses. Applied Physics Letters, 2004, 85, 3821-3823. | 3.3 | 34 |
| 35 | Dielectric relaxation processes in Cd2Nb2O7 compound. Journal of Applied Physics, 2000, 87, 7452-7456. | 2.5 | 33 |
| 36 | Electrical and magnetic properties of BaTiO3â^'(Ni0.3Zn0.7)Fe2.1O4 composites. Journal of Materials Science: Materials in Electronics, 2002, 13, 193-196. | 2.2 | 26 |

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|---|---|---|---|
| 37 | Dielectric and conduction behavior of La-doped SrTiO3 with suppressed quantum-paraelectric background. Applied Physics Letters, 2002, 80, 643-645. | 3.3 | 24 |
| 38 | Crystalline structure and dielectric properties of Ba(Ti1â^'y Ce y )O3. Journal of Materials Science, 2003, 38, 1057-1061. | 3.7 | 23 |
| 39 | Dielectric relaxation and conduction in SrTiO3 thin films under dc bias. Applied Physics Letters, 2001, 79, 818-820. | 3.3 | 22 |
| 40 | Effect of annealing on dielectric behavior and conduction transport of Bi doped SrTiO3. Applied Physics Letters, 2006, 88, 162902. | 3.3 | 21 |
| 41 | Dielectric relaxation and strain behavior of 95.5%â€‰Pb(Zn1/3Nb2/3)O3â€“4.5% PbTiO3 single crystals at cryogenic temperatures. Applied Physics Letters, 2003, 82, 790-792. | 3.3 | 20 |
| 42 | â€œDielectric relaxorâ€•behavior of electroactive fluorinated polymers. Applied Physics Letters, 2005, 86, 262903. | 3.3 | 20 |
| 43 | Dielectric properties of Bi2O3â€“ZnOâ€“Ta2O5 pyrochlore and zirconolite structure ceramics. Applied Physics Letters, 2003, 82, 3734-3736. | 3.3 | 18 |
| 44 | Crystalline structure and dielectric behavior of (Ce,Ba)TiO3 ceramics. Journal of Materials Research, 2002, 17, 2787-2793. | 2.6 | 17 |
| 45 | Dielectric and electroactive strain properties of poly(vinylidene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 427 Td (fluorideâ€“trifl 1737-1739. | 3.3 | 16 |
| 46 | Dielectric and ferroelectric properties in (Sr,Ni,Na)TiO3 solid solutions. Journal of Applied Physics, 2010, 107, . | 2.5 | 16 |
| 47 | Variable-range-hopping conduction and metal-insulator transition in Cu-doped BaTiO3. Journal of Physics Condensed Matter, 1999, 11, 9703-9708. | 1.8 | 15 |
| 48 | Dielectric properties and tunability of (Sr,Bi)TiO3 with MgO additive. Materials Letters, 2003, 57, 2927-2931. | 2.6 | 14 |
| 49 | Crystalline structure and dielectric properties of (Sr1â^'1.5x Bi x ) TiO3 ceramics. Journal of Materials Science, 2003, 38, 113-118. | 3.7 | 9 |
| 50 | Dielectric relaxor behavior of Cd2Nb2O7. Applied Physics Letters, 2004, 85, 801-803. | 3.3 | 8 |
| 51 | Dielectric behavior of electroactive fluorinate-based terpolymers. Applied Physics Letters, 2004, 84, 2145-2147. | 3.3 | 7 |
| 52 | Electrostrictive and dielectric properties of stretched poly(vinylidene fluorideâ€“trifluoroethylene) copolymers at cryogenic temperatures. Applied Physics Letters, 2003, 83, 1821-1823. | 3.3 | 6 |
| 53 | Phase-transition temperature and character ofCd2Nb2O7. Physical Review B, 2004, 70, . | 3.2 | 6 |
| 54 | Electroactive fluorinate-based polymers: Ferroelectric and dielectric properties. Journal of Applied Physics, 2004, 96, 7476-7484. | 2.5 | 4 |

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|---|---|---|---|
| 55 | Dielectric behavior of electroactive fluorinate-based polymers under dc electric field. Applied Physics Letters, 2004, 85, 3827-3829. | 3.3 | 3 |
| 56 | Compatibility of YBa2Cu3O6+Î´ superconductor with YBa3Ti2O8.5 compound. Journal of Materials Science Letters, 2001, 20, 1897-1899. | 0.5 | 2 |
| 57 | Crossover of Ba(Ti,Y)O3 Solid Solutions to Ba3Ti2YO8.5-BaTiO3 Composites and their Dielectric Properties. Journal of the American Ceramic Society, 2005, 88, 2775-2779. | 3.8 | 2 |
| 58 | Oxygen vacancy related dielectric relaxation in (Sr1-1.5xBix)TiO3. Ferroelectrics, 2001, 262, 219-225. | 0.6 | 1 |
| 59 | Dielectric Behavior of 95.5% Pb(Zn<sub>1/3</sub>Nb<sub>2/3</sub>)O<sub>3</sub>â€“4.5% PbTiO<sub>3</sub>Single Crystals under DC Bias from 12â€“550ÂK. Ferroelectrics, 2014, 470, 60-66. | 0.6 | 1 |