# Cheol-Woo Ahn

List of Publications by Year
in descending order



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|---|---|---|---|
| 33 papers | 955 citations | 471509 17 h-index | 434195 31 g-index |
| 36 all docs | 36 docs citations | 36 times ranked | 911 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | An easy approach to obtain textured microstructure and transparent seed crystal prepared by simple molten salt synthesis in modified potassium sodium Niobate. Journal of the European Ceramic Society, 2020, 40, 1232-1235. | 5.7 | 11 |
| 2 | An easy approach to obtain large piezoelectric constant in high-quality transparent ceramics by normal sintering process in modified potassium sodium niobate ceramics. Journal of the European Ceramic Society, 2020, 40, 2989-2995. | 5.7 | 16 |
| 3 | Seed crystal of modified potassium sodium niobate prepared by simple molten salt synthesis. Journal of the American Ceramic Society, 2018, 101, 515-519. | 3.8 | 7 |
| 4 | A composition design rule for crystal growth of centimeter scale by normal sintering process in modified potassium sodium niobate ceramics. Journal of the European Ceramic Society, 2018, 38, 1416-1420. | 5.7 | 15 |
| 5 | Next Generation Ceramic Substrate Fabricated at Room Temperature. Scientific Reports, 2017, 7, 6637. | 3.3 | 12 |
| 6 | Microstructure design of metal composite for active material in sodium nickel-iron chloride battery. Journal of Power Sources, 2016, 329, 50-56. | 7.8 | 18 |
| 7 | Composition Design for Growth of Single Crystal by Abnormal Grain Growth in Modified Potassium Sodium Niobate Ceramics. Crystal Growth and Design, 2016, 16, 6586-6592. | 3.0 | 15 |
| 8 | Self-Growth of Centimeter-Scale Single Crystals by Normal Sintering Process in Modified Potassium Sodium Niobate Ceramics. Scientific Reports, 2015, 5, 17656. | 3.3 | 28 |
| 9 | Composition design rule for energy harvesting devices in piezoelectric perovskite ceramics. Materials Letters, 2015, 141, 323-326. | 2.6 | 14 |
| 10 | Microstructure and electrochemical properties of graphite and C-coated LiFePO4 films fabricated by aerosol deposition method for Li ion battery. Carbon, 2015, 82, 135-142. | 10.3 | 23 |
| 11 | Microstructure and electrochemical properties of iron oxide film fabricated by aerosol deposition method for lithium ion battery. Journal of Power Sources, 2015, 275, 336-340. | 7.8 | 17 |
| 12 | Electrochemical properties of Li7La3Zr2O12-based solid state battery. Journal of Power Sources, 2014, 272, 554-558. | 7.8 | 40 |
| 13 | Selfâ€Bias Response of Leadâ€Free (1â^'x)[0.948 K<sub>0.5</sub>Na<sub>0.5</sub>NbO<sub>3</sub>â€“0.052 LiSbO<sub>3</sub>]â€“xNi<sub>0.8</sub>Zn<sub>0.2</sub>Fe<sub>2</sub>O<sub>4</sub>â€“Nickel Magnetoelectric Laminate Composites. Journal of the American Ceramic Society, 2011, 94, 3889-3899. | 3.8 | 31 |
| 14 | Controlled synthesis of MnFe2O4â€“Ni coreâ€“shell nanoparticles. Journal of Materials Science, 2010, 45, 1419-1424. | 3.7 | 4 |
| 15 | Effect of elemental diffusion on temperature coefficient of piezoelectric properties in KNN-based lead-free composites. Journal of Materials Science, 2010, 45, 3961-3965. | 3.7 | 7 |
| 16 | High Dielectric Composition in the System Snâ€Modified (1â^'x)BaTiO<sub>3</sub>â€“xBa(Cu<sub>1/3</sub>Nb<sub>2/3</sub>)O<sub>3</sub>, x=0.025 for Multilayer Ceramic Capacitors. Journal of the American Ceramic Society, 2010, 93, 1225-1228. | 3.8 | 17 |
| 17 | SINTERED COMPOSITE FOR LOW TEMPERATURE COEFFICIENT OF PIEZOELECTRIC PROPERTY IN KNN BASED LEAD-FREE CERAMICS. Functional Materials Letters, 2010, 03, 35-39. | 1.2 | 4 |
| 18 | Dimensionally gradient magnetoelectric bimorph structure exhibiting wide frequency and magnetic dc bias operating range. Journal of Applied Physics, 2009, 106, . | 2.5 | 16 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | A generalized rule for large piezoelectric response in perovskite oxide ceramics and its application for design of lead-free compositions. Journal of Applied Physics, 2009, 105, . | 2.5 | 33 |
| 20 | Sintering Behavior of Leadâ€Free (K,Na)NbO<sub>3</sub>â€BasedPiezoelectric Ceramics. Journal of the American Ceramic Society, 2009, 92, 2033-2038. | 3.8 | 80 |
| 21 | Design and characterization of broadband magnetoelectric sensor. Journal of Applied Physics, 2009, 105, . | 2.5 | 37 |
| 22 | Effect of particle size distribution on microstructure and piezoelectric properties of MnO2-added 0.95(K0.5Na0.5)NbO3â€“0.5BaTiO3 ceramics. Journal of Materials Science, 2008, 43, 6016-6019. | 3.7 | 9 |
| 23 | Dielectric and piezoelectric properties of (1Ââ^'Âx)(Na0.5K0.5)NbO3â€“xBaTiO3 ceramics. Journal of Materials Science, 2008, 43, 6784-6797. | 3.7 | 40 |
| 24 | Correlation between Phase Transitions and Piezoelectric Properties in Lead-Free (K,Na,Li)NbO<sub>3</sub>â€“BaTiO<sub>3</sub> Ceramics. Japanese Journal of Applied Physics, 2008, 47, 8880. | 1.5 | 68 |
| 25 | Low Temperature Sintering and Piezoelectric Properties of CuO-Doped (K<sub>0.5</sub>Na<sub>0.5</sub>)NbO<sub>3</sub>Ceramics. Ferroelectrics, Letters Section, 2008, 35, 66-72. | 1.0 | 27 |
| 26 | Microstructure and Piezoelectric Properties of (1?x)(Na0.5K0.5)NbO3?xLiNbO3Ceramics. Journal of the American Ceramic Society, 2007, 90, 1812-1816. | 3.8 | 101 |
| 27 | Microstructure and Piezoelectric Properties of 0.95(Na0.5K0.5)NbO3?0.05SrTiO3Ceramics. Journal of the American Ceramic Society, 2007, 90, 1946-1949. | 3.8 | 66 |
| 28 | Lowâ€Temperature Sintering and Piezoelectric Properties of CuOâ€Added 0.95(Na<sub>0.5</sub>K<sub>0.5</sub>)NbO<sub>3</sub>â€“0.05BaTiO<sub>3</sub> Ceramics. Journal of the American Ceramic Society, 2007, 90, 4066-4069. | 3.8 | 30 |
| 29 | Effect of ZnO and CuO on the Sintering Temperature and Piezoelectric Properties of a Hard Piezoelectric Ceramic. Journal of the American Ceramic Society, 2006, 89, 921-925. | 3.8 | 92 |
| 30 | Dielectric Properties of (Ba0.6Sr0.4)(Cu1/3Nb2/3)O3System. Ferroelectrics, 2005, 322, 75-82. | 0.6 | 2 |
| 31 | Induction of combinatory characteristics by relaxor modification of Pb(Zr0.5Ti0.5)O3. Applied Physics Letters, 2003, 83, 5020-5022. | 3.3 | 33 |
| 32 | Low-Temperature Sintering and Piezoelectric Properties of ZnO-Added 0.41Pb(Ni1/3Nb2/3)O3â€“0.36PbTiO3â€“0.23PbZrO3Ceramics. Japanese Journal of Applied Physics, 2003, 42, 5676-5680. | 1.5 | 38 |
| 33 | Piezoelectricity in (K,Na)NbO3 Based Ceramics. Ceramic Engineering and Science Proceedings, 0, , 17-23. | 0.1 | 0 |