

# Chien-Min Cheng

## List of Publications by Year in descending order

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38  
papers

380  
citations

933447

10  
h-index

794594

19  
g-index

38  
all docs

38  
docs citations

38  
times ranked

335  
citing authors

#	ARTICLE	IF	CITATIONS
1	Develop Quad-Band (1.57/2.45/3.5/5.2 GHz) Bandpass Filters on the Ceramic Substrate. IEEE Microwave and Wireless Components Letters, 2010, 20, 268-270.	3.2	77
2	Development of Nonsuperstrate Implantable Low-Profile CPW-Fed Ceramic Antennas. IEEE Antennas and Wireless Propagation Letters, 2010, 9, 599-602.	4.0	72
3	Sintering BaTi <sub>4</sub> O <sub>9</sub> /Ba <sub>2</sub> Ti <sub>9</sub> O <sub>20</sub> -based ceramics by glass addition. Journal of the European Ceramic Society, 2000, 20, 1061-1067.	5.7	45
4	Schottky Emission Distance and Barrier Height Properties of Bipolar Switching Gd:SiO <sub>x</sub> RRAM Devices under Different Oxygen Concentration Environments. Materials, 2018, 11, 43.	2.9	25
5	Bipolar switching properties and electrical conduction mechanism of manganese oxide RRAM devices. Ceramics International, 2017, 43, S253-S257.	4.8	22
6	Microwave dielectric characteristics of Mg(Ta <sub>1-x</sub> Nb <sub>x</sub> ) <sub>2</sub> O <sub>6</sub> ceramics. Materials Research Bulletin, 2006, 41, 1357-1363.	5.2	21
7	The sintering and microwave dielectric characteristics of MgTa <sub>1.5</sub> Nb <sub>0.5</sub> O <sub>6</sub> ceramics. Journal of the European Ceramic Society, 2005, 25, 2849-2852.	5.7	16
8	Bipolar resistive switching properties in transparent vanadium oxide resistive random access memory. Ceramics International, 2013, 39, S729-S732.	4.8	14
9	Sintering and compositional effects on the microwave dielectric characteristics of Mg(Ta <sub>1-x</sub> Nb <sub>x</sub> ) <sub>2</sub> O <sub>6</sub> ceramics. Journal of the European Ceramic Society, 2005, 25, 2849-2852.	5.7	16
10	The sintering and microwave dielectric characteristics of MgO-CaO-Al <sub>2</sub> O <sub>3</sub> -SiO <sub>2</sub> glass-fluxed Ba(Mg <sub>1/3</sub> Ta <sub>2/3</sub> ) <sub>3</sub> O <sub>3</sub> ceramics. Materials Letters, 2003, 57, 1471-1476.	2.6	10
11	Develop CPW-FED monopole broadband implantable antennas on the high dielectric constant ceramic substrates. Microwave and Optical Technology Letters, 2010, 52, 2136-2139.	1.4	9
12	Solution-based fabrication and electrical properties of CaBi <sub>4</sub> Ti <sub>4</sub> O <sub>15</sub> thin films. Ceramics International, 2012, 38, S87-S90.	4.8	9
13	Large memory window in the vanadium doped Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> thin films. Applied Physics A: Materials Science and Processing, 2009, 97, 919-923.	2.3	7
14	The influence of lanthanum doping on the physical and electrical properties of BTV ferroelectric thin films. Applied Physics A: Materials Science and Processing, 2011, 103, 1173-1177.	2.3	7
15	Influence of Thermal Annealing Treatment on Bipolar Switching Properties of Vanadium Oxide Thin-Film Resistance Random-Access Memory Devices. Journal of Electronic Materials, 2017, 46, 2147-2152.	2.2	7
16	Nonvolatile transparent manganese oxide thin film resistance random access memory devices. Japanese Journal of Applied Physics, 2014, 53, 08NL03.	1.5	4
17	Electric aging behavior of lead-free Li <sub>0.06</sub> (K <sub>0.48</sub> Na <sub>0.52</sub> ) <sub>0.94</sub> (Nb <sub>0.86</sub> Ta <sub>0.08</sub> Sb <sub>0.06</sub> ) <sub>3</sub> piezoelectric ceramics improved by pre-calcined method. Ceramics International, 2012, 38, S335-S338.	4.8	3
18	Fabrication of a new type wideband bandpass filter on the MgTa <sub>1.5</sub> Nb <sub>0.5</sub> O <sub>6</sub> ceramic substrate. Microwave and Optical Technology Letters, 2008, 50, 3223-3225.	1.4	2

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19	Influence of Lithium and Potassium Doping on Structure and Electrical Characteristics of $\text{Li}_x(\text{K}_y\text{Na}_{1-y})_{1-x}(\text{Nb}_{0.9}\text{Ta}_{0.06}\text{Sb}_{0.04})\text{O}_{3\lambda}$ Lead-Free Piezoelectric Ceramics. Japanese Journal of Applied Physics, 2012, 51, 035801.	1.5	2
20	Ferroelectric, Dielectric, and Physical Characteristics of $(\text{Ba}_{1-x}\text{Sr}_x)(\text{Ti}_{1-y}\text{Zr}_y)\text{O}_3$ Thin Films. Integrated Ferroelectrics, 2013, 143, 32-39.	0.7	2
21	Characteristics improvement of $\text{Li}_{0.058}(\text{K}_{0.480}\text{Na}_{0.535})_{0.966}(\text{Nb}_{0.9}\text{Ta}_{0.1\alpha})\text{O}_3$ piezoelectric ceramics by LiF additions. Integrated Ferroelectrics, 2016, 168, 53-60.		
22	The inferences of ZnO additions for LKNNT lead-free piezoelectric ceramics. Integrated Ferroelectrics, 2016, 168, 61-68.	0.7	2
23	Dielectric, Piezoelectric, and Vibration Properties of the LiF-Doped $(\text{Ba}_{0.95}\text{Ca}_{0.05})(\text{Ti}_{0.93}\text{Sn}_{0.07})\text{O}_3$ Lead-Free Piezoceramic Sheets. Materials, 2018, 11, 182.	2.9	2
24	Promoting Relaxation Using Monaural Beats With Ultralow-Frequency Inaudible Sounds: An Empirical Case Study. IEEE Access, 2022, 10, 50807-50818.	4.2	2
25	Fabricate Modified Dual-Band Parallel-Coupled Microstrip Filters on the $\text{Al}_2\text{O}_3$ Ceramic Substrate. , 2007, , .		1
26	Develop dual-band CPW asymmetric monopole antennas on the Aluminum Oxide substrates. , 2009, , .		1
27	Design a new structure 2.4 GHz/5.2 GHz dual-band bandpass filters on the $\text{MgTa}_{1.5}\text{Nb}_{0.5}\text{O}_6$ ceramic. Microwave and Optical Technology Letters, 2009, 51, 1085-1087.	1.4	1
28	One-Transistor-Capacitor (1TC) Structure of Non-Volatile Ferroelectric RAM Using $0.95(\text{Na}_{0.5}\text{Bi}_{0.5})\text{Ti}_3-0.05\text{BaTiO}_3$ Thin Film. Integrated Ferroelectrics, 2013, 143, 10-16.	0.7	1
29	Fabrication and Electrical Characteristics of Metal-Ferroelectric $\text{Ba}(\text{Zr}_{0.1}\text{Ti}_{0.9})\text{O}_3$ Film in Insulator-Silicon Structure. Integrated Ferroelectrics, 2013, 143, 40-46.	0.7	1
30	The Characteristics Development of excess $\text{Bi}_2\text{O}_3$ -doped $0.65\text{Bi}_{0.5}\text{K}_{0.5}\text{TiO}_3+0.35\text{BaTiO}_3$ Ceramics. , 2007, , .		0
31	Fabricate Wide-Band Microstrip Line T-shaped Antenna on the $\text{Al}_2\text{O}_3$ Substrate. , 2007, , .		0
32	A Low Profile Dual Band Antenna for Implanted ZigBee Based Biosensors. , 2011, , .		0
33	EFFECT OF ANNEALING TREATMENT ON FERROELECTRIC AND ELECTRICAL CHARACTERISTICS OF $\text{Bi}_4\text{La}_x\text{Ti}_{3-12}\text{O}_{12}$ THIN FILMS ON ITO/GLASS SUBSTRATE. International Journal of Modern Physics Conference Series, 2012, 06, 552-556.	0.7	0
34	IMPROVEMENT ON CHARACTERISTICS OF FERROELECTRIC THIN FILMS USING SUPERCRITICAL CARBON DIOXIDE FLUID TREATMENT. International Journal of Modern Physics Conference Series, 2012, 06, 104-108.	0.7	0
35	FERROELECTRIC PROPERTIES OF $\text{CaBi}_4\text{Ti}_4\text{O}_{15}$ THIN FILMS ON ITO/GLASS SUBSTRATES PREPARED BY SOL-GEL TECHNOLOGY. International Journal of Modern Physics Conference Series, 2012, 06, 91-97.	0.7	0
36	Electrical and Physical Characteristics of Vanadium-Doped $\text{Bi}_4\text{Ti}_3\text{O}_{12}$ Ferroelectric Thin Films after Rapid Thermal Annealing. Ferroelectrics, 2012, 435, 55-61.	0.6	0

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37	Effect of Sintering Temperature on Piezoelectric and Ferroelectric Properties of Lead-Free Piezoelectric Ta-modified ( $K_{0.5}$ $Na_{0.5}$ ) $NbO_3$ Ceramics. Ferroelectrics, 2012, 435, 46-54.	0.6	0
38	Electrical and Ferroelectric Properties of the $Bi_{3.9}La_{0.1}Ti_{2.9}V_{0.1}O_{12}$ (BLTV) Thin Films. Integrated Ferroelectrics, 2014, 158, 83-89.	0.7	0