

Jutapol Jumpatam

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8480326/publications.pdf>

Version: 2024-02-01

25
papers

779
citations

471509

17
h-index

580821

25
g-index

25
all docs

25
docs citations

25
times ranked

380
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of Ta ⁵⁺ doping on microstructure evolution, dielectric properties and electrical response in CaCu ₃ Ti ₄ O ₁₂ ceramics. Journal of the European Ceramic Society, 2012, 32, 2423-2430.	5.7	112
2	The origin of giant dielectric relaxation and electrical responses of grains and grain boundaries of W-doped CaCu ₃ Ti ₄ O ₁₂ ceramics. Journal of Applied Physics, 2012, 112, .	2.5	78
3	Enhancement of giant dielectric response in Ga-doped CaCu ₃ Ti ₄ O ₁₂ ceramics. Ceramics International, 2013, 39, 1057-1064.	4.8	66
4	Significantly improving the giant dielectric properties of CaCu ₃ Ti ₄ O ₁₂ ceramics by co-doping with Sr ²⁺ and F ⁻ ions. Materials Research Bulletin, 2021, 133, 111043.	5.2	55
5	Improved giant dielectric properties of CaCu ₃ Ti ₄ O ₁₂ via simultaneously tuning the electrical properties of grains and grain boundaries by F ⁺ substitution. RSC Advances, 2017, 7, 4092-4101.	3.6	54
6	A novel strategy to enhance dielectric performance and non-Ohmic properties in Ca ₂ Cu ₂ xMgxTi ₄ O ₁₂ . Journal of the European Ceramic Society, 2014, 34, 2941-2950.	5.7	53
7	Effects of Mg ²⁺ doping ions on giant dielectric properties and electrical responses of Na _{1/2} Y _{1/2} Cu ₃ Ti ₄ O ₁₂ ceramics. Ceramics International, 2016, 42, 16287-16295.	4.8	35
8	Microstructural evolution and strongly enhanced dielectric response in Sn-doped CaCu ₃ Ti ₄ O ₁₂ /CaTiO ₃ ceramic composites. Materials Research Bulletin, 2016, 77, 178-184.	5.2	35
9	Non-Ohmic Properties and Electrical Responses of Grains and Grain Boundaries of Na _{1/2} Y _{1/2} Cu ₃ Ti ₄ O ₁₂ Ceramics. Journal of the American Ceramic Society, 2017, 100, 157-166.	3.8	35
10	High permittivity, low dielectric loss, and high electrostatic potential barrier in Ca ₂ Cu ₂ Ti ₄ O ₁₂ ceramics. Materials Letters, 2012, 76, 40-42.	2.6	31
11	Giant dielectric behavior of monovalent cation/anion (Li ⁺ , F ⁻) co-doped CaCu ₃ Ti ₄ O ₁₂ ceramics. Journal of the American Ceramic Society, 2020, 103, 1871-1880.	3.8	28
12	Influence of Sn and F dopants on giant dielectric response and Schottky potential barrier at grain boundaries of CCTO ceramics. Ceramics International, 2021, 47, 27908-27915.	4.8	26
13	Microstructural evolution and Maxwell-Wagner relaxation in Ca ₂ Cu ₂ Ti ₄ xZrxO ₁₂ : The important clue to achieve the origin of the giant dielectric behavior. Materials Research Bulletin, 2014, 60, 695-703.	5.2	23
14	Giant dielectric response, electrical properties and nonlinear current-voltage characteristic of Al ₂ O ₃ -CaCu ₃ Ti ₄ O ₁₂ nanocomposites. Applied Surface Science, 2019, 476, 623-631.	6.1	22
15	Structural, Optical, Electronic and Magnetic Properties of Fe-Doped ZnO Nanoparticles Synthesized by Combustion Method and First-Principle Calculation. Journal of Superconductivity and Novel Magnetism, 2016, 29, 3155-3166.	1.8	21
16	A Novel Route to Greatly Enhanced Dielectric Permittivity with Reduce Loss Tangent in CaCu ₃ Ti ₄ O ₁₂ /CaTiO ₃ Composites. Journal of the American Ceramic Society, 2014, 97, 2368-2371.	4.8	20
17	Nonlinear electrical properties and giant dielectric response in Na _{1/3} Ca _{1/3} Y _{1/3} Cu ₃ Ti ₄ O ₁₂ ceramic. Materials Research Bulletin, 2017, 90, 8-14.	5.2	19
18	Enhanced dielectric and non-ohmic properties in CaCu ₃ Ti ₄ O ₁₂ /CaTiO ₃ nanocomposites prepared by a chemical combustion method. Journal of Materials Science: Materials in Electronics, 2016, 27, 12085-12090.	2.2	17

#	ARTICLE	IF	CITATIONS
19	Effects of Bi ³⁺ doping on microstructure and dielectric properties of CaCu ₃ Ti ₄ O ₁₂ /CaTiO ₃ composite ceramics. <i>Ceramics International</i> , 2015, 41, S498-S503.	4.8	15
20	Influences of Sr ²⁺ Doping on Microstructure, Giant Dielectric Behavior, and Non-Ohmic Properties of CaCu ₃ Ti ₄ O ₁₂ /CaTiO ₃ Ceramic Composites. <i>Molecules</i> , 2021, 26, 1994.	3.8	12
21	Effects of La ³⁺ doping ions on dielectric properties and formation of Schottky barriers at internal interfaces in a Ca ₂ Cu ₂ Ti ₄ O ₁₂ composite system. <i>Journal of Materials Science: Materials in Electronics</i> , 2014, 25, 4657-4663.	2.2	7
22	Electrical responses and dielectric properties of (Zn ²⁺ +F ⁺) co-doped CaCu ₃ Ti ₄ O ₁₂ ceramics. <i>Materialia</i> , 2022, 23, 101441.	2.7	7
23	Preparation, characterization, and dielectric properties of CaCu ₃ Ti ₄ O ₁₂ -related (Na _{1/3} Ca _{1/3} Y _{1/3})Cu ₃ Ti ₄ O ₁₂ ceramics using a simple sol-gel method. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 14839-14847.	2.2	6
24	Effects of Ga Substitution for Cu on Microstructure and Giant Dielectric Response of CaGa _x Cu _{3-3x} Ti ₄ O ₁₂ (<i>x</i> = 0, 0.01, and) Tj BTQ00 QrgBT /Over	2.2	6
25	Giant dielectric behavior and non-ohmic properties in Mg ²⁺ +F ⁺ co-doped CaCu ₃ Ti ₄ O ₁₂ ceramics. <i>Journal of Asian Ceramic Societies</i> , 2022, 10, 414-423.	2.3	1