

Lei Ni

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

678
citations

933447

10
h-index

794594

19
g-index

20
all docs

20
docs citations

20
times ranked

621
citing authors

#	ARTICLE	IF	CITATIONS
1	Dielectric relaxations and formation mechanism of giant dielectric constant step in CaCu ₃ Ti ₄ O ₁₂ ceramics. Applied Physics Letters, 2007, 91, .	3.3	221
2	Enhancement of Giant Dielectric Response in CaCu ₃ Ti ₄ O ₁₂ Ceramics by Zn Substitution. Journal of the American Ceramic Society, 2010, 93, 184-189.	3.8	140
3	Fabrication of Self-Powered Fast-Response Ultraviolet Photodetectors Based on Graphene/ZnO:Al Nanorod-Array-Film Structure with Stable Schottky Barrier. ACS Applied Materials & Interfaces, 2017, 9, 8161-8168.	8.0	97
4	Effects of Nd-substitution on microstructures and dielectric characteristics of CaCu ₃ Ti ₄ O ₁₂ ceramics. Journal of Materials Science: Materials in Electronics, 2011, 22, 345-350.	2.2	37
5	Type-II tunable SiC/InSe heterostructures under an electric field and biaxial strain. Physical Chemistry Chemical Physics, 2020, 22, 9647-9655.	2.8	32
6	Band alignment control in a blue phosphorus/C ₂ N van der Waals heterojunction using an electric field. Physical Chemistry Chemical Physics, 2020, 22, 5873-5881.	2.8	29
7	Electric field and uniaxial strain tunable electronic properties of the InSb/InSe heterostructure. Physical Chemistry Chemical Physics, 2020, 22, 20712-20720.	2.8	23
8	A theoretical design of photodetectors based on two-dimensional Sb/AlAs type-II heterostructures. CrystEngComm, 2021, 23, 1033-1042.	2.6	18
9	Dielectric relaxation and relevant mechanism in giant dielectric constant Sm _{2/3} Cu ₃ Ti ₄ O ₁₂ ceramics. Journal of Materials Science: Materials in Electronics, 2018, 29, 17737-17742.	2.2	17
10	Type-II C ₂ N/ZnTe Van Der Waals Heterostructure: A Promising Photocatalyst for Water Splitting. Advanced Materials Interfaces, 2021, 8, 2002068.	3.7	17
11	Evaluation of microwave dielectric properties of giant permittivity materials by a modified resonant cavity method. Applied Physics Letters, 2007, 91, 092906.	3.3	9
12	Effect of Sintering Process on Ionic Conductivity of Li _{7-x} La ₃ Zr _{2-x} Nb _x O ₁₂ (x = 0, 0.2, 0.4, 0.6) Solid Electrolytes. Materials, 2021, 14, 1671.	2.9	9
13	Enhanced dielectric relaxations in spark plasma sintered CaCu ₃ Ti ₄ O ₁₂ ceramics. Journal of Materials Science: Materials in Electronics, 2017, 28, 10191-10198.	2.2	8
14	Phase Transition Domains in Ca-based Complex Perovskite Dielectric Ceramics. Journal of the American Ceramic Society, 2012, 95, 2979-2988.	3.8	5
15	Solution-processable design strategy for a Li ₂ FeSiO ₄ @C/Fe nanocomposite as a cathode material for high power lithium-ion batteries. RSC Advances, 2014, 4, 35541-35545.	3.6	5
16	Effects of the in-plane uniaxial and biaxial strains on the structural and electronic properties of the monolayer ZrS ₂ : A first-principles investigation. Thin Solid Films, 2022, 755, 139343.	1.8	5
17	Giant dielectric response in Dy _{2/3} Cu ₃ Ti ₄ O ₁₂ ceramics. Journal of Materials Science: Materials in Electronics, 2016, 27, 111-117.	2.2	2
18	Prediction of the terminations and Miller planes of the tetragonal zirconia thin films as a gate dielectric layer in integrated-circuit industry. Surface and Interface Analysis, 2019, 51, 774-782.	1.8	2

#	ARTICLE	IF	CITATIONS
19	High Dielectric Constant and Dielectric Relaxations in La _{2/3} Cu ₃ Ti ₄ O ₁₂ Ceramics. Materials, 2022, 15, 4526.	2.9	2