Lei Ni

List of Publications by Year
in descending order

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	Effects of the in-plane uniaxial and biaxial strains on the structural and electronic properties of the monolayer ZrS2: A first-principles investigation. Thin Solid Films, 2022, 755, 139343.	1.8	5
2	High Dielectric Constant and Dielectric Relaxations in La2/3Cu3Ti4O12 Ceramics. Materials, 2022, 15, 4526.	2.9	2
3	A theoretical design of photodetectors based on two-dimensional Sb/AlAs type-II heterostructures. CrystEngComm, 2021, 23, 1033-1042.	2.6	18
4	Effect of Sintering Process on Ionic Conductivity of Li7-xLa3Zr2-xNbxO12 (x = 0, 0.2, 0.4, 0.6) Solid Electrolytes. Materials, 2021, 14, 1671.	2.9	9
5	Typeâ€II C 2 N/ZnTe Van Der Waals Heterostructure: A Promising Photocatalyst for Water Splitting. Advanced Materials Interfaces, 2021, 8, 2002068.	3.7	17
6	Electric field and uniaxial strain tunable electronic properties of the InSb/InSe heterostructure. Physical Chemistry Chemical Physics, 2020, 22, 20712-20720.	2.8	23
7	Band alignment control in a blue phosphorus/C₂N van der Waals heterojunction using an electric field. Physical Chemistry Chemical Physics, 2020, 22, 5873-5881.	2.8	29
8	Type-II tunable SiC/InSe heterostructures under an electric field and biaxial strain. Physical Chemistry Chemical Physics, 2020, 22, 9647-9655.	2.8	32
9	Prediction of the terminations and Miller planes of the tetragonal zirconia thin films as a gate dielectric layer in integratedâ€circuit industry. Surface and Interface Analysis, 2019, 51, 774-782.	1.8	2
10	Dielectric relaxation and relevant mechanism in giant dielectric constant Sm2/3Cu3Ti4O12 ceramics. Journal of Materials Science: Materials in Electronics, 2018, 29, 17737-17742.	2.2	17
11	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
12	Enhanced dielectric relaxations in spark plasma sintered CaCu3Ti4O12 ceramics. Journal of Materials Science: Materials in Electronics, 2017, 28, 10191-10198.	2.2	8
13	Giant dielectric response in Dy2/3Cu3Ti4O12 ceramics. Journal of Materials Science: Materials in Electronics, 2016, 27, 111-117.	2.2	2
14	Solution-processable design strategy for a Li2FeSiO4@C/Fe nanocomposite as a cathode material for high power lithium-ion batteries. RSC Advances, 2014, 4, 35541-35545.	3.6	5
15	Phase Transition Domains in Caâ€based Complex Perovskite Dielectric Ceramics. Journal of the American Ceramic Society, 2012, 95, 2979-2988.	3.8	5
16	Effects of Nd-substitution on microstructures and dielectric characteristics of CaCu3Ti4O12 ceramics. Journal of Materials Science: Materials in Electronics, 2011, 22, 345-350.	2.2	37
17	Enhancement of Giant Dielectric Response in CaCu₃Ti₄O₁₂ Ceramics by Zn Substitution. Journal of the American Ceramic Society, 2010, 93, 184-189.	3.8	140
18	Dielectric relaxations and formation mechanism of giant dielectric constant step in CaCu3Ti4O12 ceramics. Applied Physics Letters, 2007, 91, .	3.3	221

#	Article	IF	Citations
19	Evaluation of microwave dielectric properties of giant permittivity materials by a modified resonant cavity method. Applied Physics Letters, 2007, 91, 092906.	3.3	9