

Nana Sun

List of Publications by Year in descending order

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840585

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345
citing authors

#	ARTICLE	IF	CITATIONS
1	Significant Enhancement in the Power Density of Micro-Supercapacitors by the In Situ Growth of TiN/TiO _x /N _y -Laminated Films. ACS Sustainable Chemistry and Engineering, 2022, 10, 3614-3622.	3.2	4
2	Ferroelectricity in hafnium oxide films doped with magnesium by chemical solution deposition. Journal of Applied Physics, 2022, 131, .	1.1	3
3	Importance of tailoring the thickness of SiO ₂ interlayer in the observation of ferroelectric characteristics in yttrium doped HfO ₂ films on silicon. Vacuum, 2021, 183, 109835.	1.6	13
4	Effect of the Hf content on the microstructure and ferroelectric properties of Hf _x Zr _{1-x} O ₂ thin films using an all-inorganic aqueous precursor solution. Nanoscale, 2021, 13, 16216-16225.	2.8	0
5	Optimizing Annealing Process for Ferroelectric Y-Doped HfO ₂ Thin Films by All-Inorganic Aqueous Precursor Solution. Advanced Electronic Materials, 2021, 7, 2000585.	2.6	10
6	Sputtered titanium nitride films with finely tailored surface activity and porosity for high performance on-chip micro-supercapacitors. Journal of Power Sources, 2021, 489, 229406.	4.0	18
7	Ferroelectric properties of pure ZrO ₂ thin films by chemical solution deposition. Ceramics International, 2021, 47, 16845-16851.	2.3	8
8	Effect of Bias Voltage on Substrate for the Structure and Electrical Properties of Y:HfO ₂ Thin Films Deposited by Reactive Magnetron Co-Sputtering. Advanced Electronic Materials, 2021, 7, 2100488.	2.6	5
9	Recent Progress on Energy-Related Applications of HfO ₂ -Based Ferroelectric and Antiferroelectric Materials. ACS Applied Electronic Materials, 2020, 2, 2301-2317.	2.0	37
10	Tailoring Surface Chemistry and Morphology of Titanium Nitride Electrode for On-Chip Supercapacitors. ACS Sustainable Chemistry and Engineering, 2020, 8, 7869-7878.	3.2	27
11	Fluorite-Structured Ferroelectric-/Antiferroelectric-Based Electrostatic Nanocapacitors for Energy Storage Applications. ACS Applied Energy Materials, 2020, 3, 6036-6055.	2.5	27
12	Effect of annealing protection atmosphere on the ferroelectric yttrium doped hafnium oxide thin films. Ceramics International, 2020, 46, 22550-22556.	2.3	6
13	TiN Thin Film Electrodes on Textured Silicon Substrates for Supercapacitors. Journal of the Electrochemical Society, 2019, 166, H802-H809.	1.3	11
14	Experimental evidence of ferroelectricity in calcium doped hafnium oxide thin films. Journal of Applied Physics, 2019, 126, .	1.1	37
15	DC substrate bias enables preparation of superior-performance TiN electrode films over a wide process window. Materials Research Bulletin, 2019, 119, 110575.	2.7	7
16	Effects of deposition temperature on the properties of sputtered yttrium-doped hafnium oxide thin films. Materials Research Express, 2019, 6, 086325.	0.8	2
17	Superior-performance TiN films sputtered for capacitor electrodes. Journal of Materials Science, 2019, 54, 10346-10354.	1.7	11
18	Ferroelectric yttrium doped hafnium oxide films from all-inorganic aqueous precursor solution. Ceramics International, 2018, 44, 13867-13872.	2.3	32

#	ARTICLE	IF	CITATIONS
19	Synthesis and mechanical properties of the epoxy resin composites filled with sol-gel derived ZrO ₂ nanoparticles. Journal of Sol-Gel Science and Technology, 2018, 88, 442-453.	1.1	27
20	DC reactively sputtered TiN _x thin films for capacitor electrodes. Journal of Materials Science: Materials in Electronics, 2018, 29, 10170-10176.	1.1	15
21	Synthesis and tribological properties of high purity Ti ₂ SC nanolamellas by microwave hybrid heating. Journal of Alloys and Compounds, 2017, 699, 25-30.	2.8	15
22	Synthesis of high-purity Ti ₂ SC powder by microwave hybrid heating. Journal of Advanced Ceramics, 2016, 5, 337-343.	8.9	10