

Zhen Su

List of Publications by Year in descending order

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18
papers

213
citations

1163117

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1058476

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18
times ranked

273
citing authors

#	ARTICLE	IF	CITATIONS
1	High-Conductivity, Flexible and Transparent PEDOT:PSS Electrodes for High Performance Semi-Transparent Supercapacitors. <i>Polymers</i> , 2020, 12, 450.	4.5	58
2	Anodic Oxidation in Aluminum Electrode by Using Hydrated Amorphous Aluminum Oxide Film as Solid Electrolyte under High Electric Field. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 11100-11107.	8.0	26
3	Leakage current and breakdown behavior of bismuth-doped amorphous strontium titanate thin film. <i>Materials Chemistry and Physics</i> , 2018, 206, 48-55.	4.0	18
4	High dielectric constant and energy density achieved in sandwich-structured SrTiO ₃ nanocomposite thick films by interface modulation. <i>Journal of Materials Chemistry C</i> , 2019, 7, 673-681.	5.5	18
5	A novel and simple aluminium/sol-gel-derived amorphous aluminium oxide multilayer film with high energy density. <i>Journal of Materials Chemistry C</i> , 2018, 6, 5616-5623.	5.5	12
6	Dielectric properties under high electric field for silicon doped alumina thin film with glass-like structure derived from sol-gel process. <i>Journal of Alloys and Compounds</i> , 2017, 690, 249-255.	5.5	11
7	Dual interfacial modification via anodizing method for achieving enhanced breakdown strength in multi-layer anodized alumina/Sr _{0.85} Bi _{0.1} TiO ₃ films. <i>Journal of Alloys and Compounds</i> , 2020, 817, 152783.	5.5	10
8	Dielectric breakdown characteristics of sol-gel derived SrTiO ₃ films. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 8100-8104.	2.2	9
9	Microstructural transitions and dielectric properties of boron-doped amorphous alumina thin film. <i>Journal of Materials Science</i> , 2017, 52, 9314-9323.	3.7	7
10	Significantly enhanced energy density of amorphous alumina thin films via silicon and magnesium co-doping. <i>Ceramics International</i> , 2018, 44, 11160-11165.	4.8	7
11	Excellent rate capability supercapacitor based on a free-standing PEDOT:PSS film enabled by the hydrothermal method. <i>Chemical Communications</i> , 2022, 58, 5088-5091.	4.1	7
12	The influence of Yttrium on leakage current and dielectric properties of amorphous Al ₂ O ₃ thin film derived by sol-gel. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 7788-7794.	2.2	6
13	Effects of annealing temperature, ambient humidity and temperature on dielectric properties of sol-gel-derived amorphous alumina thin film. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 12356-12362.	2.2	6
14	Ultrahigh energy density due to self-growing double dielectric layers at a titanium/sol-gel-derived amorphous aluminium oxide interface. <i>Journal of Materials Chemistry C</i> , 2018, 6, 7920-7928.	5.5	6
15	Plasmon-coupled Au-nanochain functionalized PEDOT:PSS for efficient mixed tin-lead iodide perovskite solar cells. <i>Chemical Communications</i> , 2022, 58, 1366-1369.	4.1	4
16	Enhanced electrical characteristics of sol-gel-derived amorphous SrTiO ₃ films. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 4044-4050.	2.2	3
17	Interfacial effect of Cu electrode enhanced energy density of amorphous aluminum oxide dielectric capacitor. <i>Journal of Alloys and Compounds</i> , 2021, 855, 157473.	5.5	3
18	Dielectric property and self-repairing capability of silicon and titanium co-doped amorphous alumina thin films prepared by sol-gel technology. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 16581-16589.	2.2	2