

Qirong Liu

List of Publications by Year in descending order

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papers

665
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516681

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599
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>In situ</i> electrochromic efficiency of a nickel oxide thin film: origin of electrochemical process and electrochromic degradation. <i>Journal of Materials Chemistry C</i> , 2018, 6, 646-653.	5.5	82
2	Charge-transfer kinetics and cyclic properties of inorganic all-solid-state electrochromic device with remarkably improved optical memory. <i>Solar Energy Materials and Solar Cells</i> , 2018, 174, 545-553.	6.2	71
3	Properties of NiO _x and its influence upon all-thin-film ITO/NiO _x /LiTaO ₃ /WO ₃ /ITO electrochromic devices prepared by magnetron sputtering. <i>Vacuum</i> , 2015, 111, 48-54.	3.5	61
4	Electrolytes-relevant cyclic durability of nickel oxide thin films as an ion-storage layer in an all-solid-state complementary electrochromic device. <i>Solar Energy Materials and Solar Cells</i> , 2016, 157, 844-852.	6.2	58
5	An all-thin-film inorganic electrochromic device monolithically fabricated on flexible PET/ITO substrate by magnetron sputtering. <i>Materials Letters</i> , 2015, 142, 232-234.	2.6	52
6	All-solid-state electrochromic Li-ion hybrid supercapacitors for intelligent and wide-temperature energy storage. <i>Chemical Engineering Journal</i> , 2021, 414, 128892.	12.7	44
7	Dynamic behaviors of inorganic all-solid-state electrochromic device: Role of potential. <i>Electrochimica Acta</i> , 2018, 269, 617-623.	5.2	38
8	Thickness dependent surface roughness of sputtered Li _{2.5} TaO _x ion conductor and its effect on electro-optical performance of inorganic monolithic electrochromic device. <i>Solar Energy Materials and Solar Cells</i> , 2018, 179, 319-327.	6.2	29
9	The role of interface between LiPON solid electrolyte and electrode in inorganic monolithic electrochromic devices. <i>Electrochimica Acta</i> , 2018, 260, 254-263.	5.2	28
10	Robust Sandwich-Structured Nanofluidic Diodes Modulating Ionic Transport for an Enhanced Electrochromic Performance. <i>Advanced Science</i> , 2018, 5, 1800163.	11.2	28
11	Influence of thickness on the structure, electrical, optical and electrochromic properties of AZO thin films and their inorganic all-solid-state devices. <i>Electrochimica Acta</i> , 2017, 258, 1336-1347.	5.2	26
12	Deposition of photocatalytic anatase titanium dioxide films by atmospheric dielectric barrier discharge. <i>Surface and Coatings Technology</i> , 2017, 310, 173-179.	4.8	24
13	Mechanistic Insights into the Coloration, Evolution, and Degradation of NiO _x Electrochromic Anodes. <i>Inorganic Chemistry</i> , 2018, 57, 8874-8880.	4.0	24
14	Optimized properties of innovative ElectroChromic Device using ITO / Ag / ITO electrodes. <i>Electrochimica Acta</i> , 2019, 301, 200-208.	5.2	23
15	Electro-optical performance of inorganic monolithic electrochromic device with a pulsed DC sputtered Li _x Mg _y N ion conductor. <i>Journal of Solid State Electrochemistry</i> , 2018, 22, 275-283.	2.5	17
16	Atmospheric pressure dielectric barrier discharge synthesis of morphology-controllable TiO ₂ films with enhanced photocatalytic activity. <i>Thin Solid Films</i> , 2018, 664, 90-99.	1.8	16
17	Optimization of oxygen and pressure of ZnO:Al films deposited on PMMA substrates by facing target sputtering. <i>Superlattices and Microstructures</i> , 2013, 64, 552-562.	3.1	15
18	Improved performance of all-thin-film electrochromic devices with two ZrO ₂ protective layers. <i>Ionics</i> , 2018, 24, 2427-2434.	2.4	12

#	ARTICLE	IF	CITATIONS
19	Amorphous indium tin oxide films deposited on flexible substrates by facing target sputtering at room temperature. <i>Thin Solid Films</i> , 2014, 556, 155-159.	1.8	9
20	Optical, electrical, and electrochemical properties of indium tin oxide thin films studied in different layer-structures and their corresponding inorganic all-thin-film solid-state electrochromic devices. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2017, 35, .	2.1	6
21	Optical fiber hydrogen sensor based on polarization-maintaining photonic crystal fiber. , 2014, , .		2