

Qianli Chen

List of Publications by Year in descending order

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29
papers

910
citations

567281

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h-index

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docs citations

29
times ranked

1452
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient Electron Transfer and Sensitizer Regeneration in Stable Γ -Extended Tetrathiafulvalene-Sensitized Solar Cells. <i>Journal of the American Chemical Society</i> , 2010, 132, 5164-5169.	13.7	188
2	Classical and Emerging Characterization Techniques for Investigation of Ion Transport Mechanisms in Crystalline Fast Ionic Conductors. <i>Chemical Reviews</i> , 2020, 120, 5954-6008.	47.7	140
3	In situ ambient pressure XPS observation of surface chemistry and electronic structure of Γ -Fe ₂ O ₃ and Γ -Fe ₂ O ₃ nanoparticles. <i>Applied Surface Science</i> , 2018, 455, 1019-1028.	6.1	126
4	Observation of Oxygen Vacancy Filling under Water Vapor in Ceramic Proton Conductors in Situ with Ambient Pressure XPS. <i>Chemistry of Materials</i> , 2013, 25, 4690-4696.	6.7	53
5	Experimental neutron scattering evidence for proton polaron in hydrated metal oxide proton conductors. <i>Nature Communications</i> , 2017, 8, 15830.	12.8	45
6	Improved functionality of PEDOT:PSS thin films via graphene doping, fabricated by ultrasonic substrate vibration-assisted spray coating. <i>Synthetic Metals</i> , 2016, 222, 309-317.	3.9	39
7	Effect of lattice volume and compressive strain on the conductivity of BaCeY-oxide ceramic proton conductors. <i>Journal of the European Ceramic Society</i> , 2011, 31, 2657-2661.	5.7	37
8	Effects of Illumination Direction on the Surface Potential of CH ₃ NH ₃ PbI ₃ Perovskite Films Probed by Kelvin Probe Force Microscopy. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 14044-14050.	8.0	34
9	Fabrication of efficient graphene-doped polymer/fullerene bilayer organic solar cells in air using spin coating followed by ultrasonic vibration post treatment. <i>Superlattices and Microstructures</i> , 2016, 100, 1177-1192.	3.1	32
10	Hydrostatic pressure decreases the proton mobility in the hydrated BaZr _{0.9} Y _{0.1} O ₃ proton conductor. <i>Applied Physics Letters</i> , 2010, 97, 041902.	3.3	27
11	Effect of Compressive Strain on the Raman Modes of the Dry and Hydrated BaCe _{0.8} Y _{0.2} O ₃ Proton Conductor. <i>Journal of Physical Chemistry C</i> , 2011, 115, 24021-24027.	3.1	27
12	Observation of Substrate Orientation-Dependent Oxygen Defect Filling in Thin WO ₃ /TiO ₂ Pulsed Laser-Deposited Films with in Situ XPS at High Oxygen Pressure and Temperature. <i>Chemistry of Materials</i> , 2012, 24, 3473-3480.	6.7	27
13	Proton diffusivity in spark plasma sintered BaCe _{0.8} Y _{0.2} O ₃ : In-situ combination of quasi-elastic neutron scattering and impedance spectroscopy. <i>Solid State Ionics</i> , 2013, 252, 2-6.	2.7	20
14	Iron Resonant Photoemission Spectroscopy on Anodized Hematite Points to Electron Hole Doping during Anodization. <i>ChemPhysChem</i> , 2012, 13, 2937-2944.	2.1	19
15	Surface and Bulk Oxygen Vacancy Defect States near the Fermi Level in 125 nm WO ₃ /TiO ₂ (110) Films: A Resonant Valence Band Photoemission Spectroscopy Study. <i>Journal of Physical Chemistry C</i> , 2011, 115, 16411-16417.	3.1	17
16	A Solution Processable Flexible Transparent Conductive Graphene/PEDOT: PSS Film Fabricated by Spin and Blade Coating. <i>Journal of Shanghai Jiaotong University (Science)</i> , 2018, 23, 106-111.	0.9	14
17	Ultrasonic vibration imposed on nanoparticle-based ZnO film improves the performance of the ensuing perovskite solar cell. <i>Materials Research Express</i> , 2018, 5, 026404.	1.6	12
18	Cooperative origin of proton pair diffusivity in yttrium substituted barium zirconate. <i>Communications Physics</i> , 2020, 3, .	5.3	10

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19	Optimizing the Proton Conductivity with the Isokinetic Temperature in Perovskite-type Proton Conductors According to Meyer-Neldel Rule. <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	10
20	Influence of Lattice Dynamics on the Proton Transport in BaZrY-Oxide Perovskites under High Pressure. <i>Journal of Physical Chemistry C</i> , 2020, 124, 22376-22382.	3.1	9
21	Hole and Protonic Polarons in Perovskites. <i>Chimia</i> , 2019, 73, 936.	0.6	8
22	High-temperature high pressure cell for neutron-scattering studies. <i>High Pressure Research</i> , 2012, 32, 471-481.	1.2	6
23	Performance enhancement of large-area graphene-polymer flexible transparent conductive films fabricated by ultrasonic substrate vibration-assisted rod coating. <i>Journal of Coatings Technology Research</i> , 2019, 16, 1773-1780.	2.5	4
24	Observation of Potential-Induced Hydration on the Surface of Ceramic Proton Conductors Using <i>In Situ</i> Near-Ambient Pressure X-ray Photoelectron Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 2928-2933.	4.6	2
25	Surface-Enhanced Raman Scattering Spectroscopy Reveals the Phonon Softening of Yttrium-Doped Barium Zirconate Thin Films. <i>Journal of Physical Chemistry C</i> , 2022, 126, 10722-10728.	3.1	2
26	Protons and the hydrogen economy. <i>MRS Energy & Sustainability</i> , 2017, 4, 1.	3.0	1
27	Boosted Charge-Carrier Transport in Triple-Cation Perovskites by Ultrasonic Vibration Post Treatment. <i>Advanced Electronic Materials</i> , 2022, 8, .	5.1	1
28	Functional Relationships between Structure and Transport in the BZY and BCY Proton Conductors. <i>ECS Meeting Abstracts</i> , 2012, , .	0.0	0
29	Swiss team discovers how protons move through fuel cell. <i>Fuel Cells Bulletin</i> , 2017, 2017, 14.	0.1	0