

Xudong Fu

List of Publications by Year in descending order

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36
papers

1,567
citations

394421

19
h-index

414414

32
g-index

38
all docs

38
docs citations

38
times ranked

2779
citing authors

#	ARTICLE	IF	CITATIONS
1	The metabolite α -ketoglutarate extends lifespan by inhibiting ATP synthase and TOR. <i>Nature</i> , 2014, 510, 397-401.	27.8	485
2	2-Hydroxyglutarate Inhibits ATP Synthase and mTOR Signaling. <i>Cell Metabolism</i> , 2015, 22, 508-515.	16.2	190
3	Stimulation of Hair Growth by Small Molecules that Activate Autophagy. <i>Cell Reports</i> , 2019, 27, 3413-3421.e3.	6.4	83
4	Myc and Dnmt1 impede the pluripotent to totipotent state transition in embryonic stem cells. <i>Nature Cell Biology</i> , 2019, 21, 835-844.	10.3	82
5	Highly flexible strain sensors based on polydimethylsiloxane/carbon nanotubes (CNTs) prepared by a swelling/permeating method and enhanced sensitivity by CNTs surface modification. <i>Composites Science and Technology</i> , 2019, 171, 218-225.	7.8	62
6	Designing high electrochemical surface area between polyaniline and hydrogel polymer electrolyte for flexible supercapacitors. <i>Applied Surface Science</i> , 2020, 507, 145135.	6.1	60
7	Poly(2,5-benzimidazole)/sulfonated sepiolite composite membranes with low phosphoric acid doping levels for PEMFC applications in a wide temperature range. <i>Journal of Membrane Science</i> , 2019, 574, 282-298.	8.2	57
8	Design of sepiolite-supported ionogel-embedded composite membranes without proton carrier wastage for wide-temperature-range operation of proton exchange membrane fuel cells. <i>Journal of Materials Chemistry A</i> , 2019, 7, 15288-15301.	10.3	54
9	Bio-inspired Construction of Advanced Fuel Cell Cathode with Pt Anchored in Ordered Hybrid Polymer Matrix. <i>Scientific Reports</i> , 2015, 5, 16100.	3.3	48
10	FeVO ₄ ·nH ₂ O@rGO nanocomposite as high performance cathode materials for aqueous Zn-ion batteries. <i>Journal of Alloys and Compounds</i> , 2020, 818, 153372.	5.5	46
11	Metabolic remodelling during early mouse embryo development. <i>Nature Metabolism</i> , 2021, 3, 1372-1384.	11.9	45
12	A transcriptional roadmap for 2C-like "to" pluripotent state transition. <i>Science Advances</i> , 2020, 6, eaay5181.	10.3	44
13	Facile one-step preparation of laminated PDMS based flexible strain sensors with high conductivity and sensitivity via filler sedimentation. <i>Composites Science and Technology</i> , 2020, 186, 107933.	7.8	33
14	Polyaniline Nanorod Arrays as a Cathode Material for High-Rate Zinc-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2020, 3, 12360-12367.	5.1	32
15	Epigenetic regulation of mouse preimplantation embryo development. <i>Current Opinion in Genetics and Development</i> , 2020, 64, 13-20.	3.3	32
16	A Self-Charging Hybrid Electric Power Device with High Specific Energy and Power. <i>ACS Energy Letters</i> , 2018, 3, 2425-2432.	17.4	30
17	Aligned polyaniline nanorods in situ grown on gas diffusion layer and their application in polymer electrolyte membrane fuel cells. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 3655-3663.	7.1	28
18	Micelle-template synthesis of a 3D porous FeNi alloy and nitrogen-codoped carbon material as a bifunctional oxygen electrocatalyst. <i>Electrochimica Acta</i> , 2020, 331, 135375.	5.2	28

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19	Hierarchically ordered arrays with platinum coated PANI nanowires for highly efficient fuel cell electrodes. <i>Journal of Materials Chemistry A</i> , 2017, 5, 15260-15265.	10.3	25
20	The chromatin remodeler Snf2h is essential for oocyte meiotic cell cycle progression. <i>Genes and Development</i> , 2020, 34, 166-178.	5.9	21
21	Hydrophilic PDMS with a sandwich-like structure and no loss of mechanical properties and optical transparency. <i>Applied Surface Science</i> , 2020, 503, 144126.	6.1	14
22	Preparation and properties of flexible conductive polydimethylsiloxane composites containing hybrid fillers. <i>Polymer Bulletin</i> , 2019, 76, 6487-6501.	3.3	13
23	Cell cycle heterogeneity directs spontaneous 2C state entry and exit in mouse embryonic stem cells. <i>Stem Cell Reports</i> , 2021, 16, 2659-2673.	4.8	10
24	Polypyrrole nanowires as a cathode microporous layer for direct methanol fuel cell to enhance oxygen transport. <i>International Journal of Energy Research</i> , 2021, 45, 3375-3384.	4.5	9
25	Advanced coal fly ash modification by using corrosive microorganisms as alternative filler-reinforcing fluororubbers. <i>Materials Letters</i> , 2019, 246, 32-35.	2.6	6
26	In situ synthesis of star copolymers consisting of a polyhedral oligomeric silsesquioxane core and poly(2,5-benzimidazole) arms for high-temperature proton exchange membrane fuel cells. <i>International Journal of Energy Research</i> , 2020, 44, 8769-8780.	4.5	6
27	Chemical Foaming Coupled Self-Etching: A Multiscale Processing Strategy for Ultrahigh-Surface-Area Carbon Aerogels. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 2819-2827.	8.0	5
28	M1 of Murine Gamma-Herpesvirus 68 Induces Endoplasmic Reticulum Chaperone Production. <i>Scientific Reports</i> , 2015, 5, 17228.	3.3	4
29	Zfp281 Inhibits the Pluripotent-to-Totipotent State Transition in Mouse Embryonic Stem Cells. <i>Frontiers in Cell and Developmental Biology</i> , 0, 10, .	3.7	4
30	A novel method for effective diffusion coefficient measurement in gas diffusion media of polymer electrolyte fuel cells. <i>Journal of Power Sources</i> , 2014, 257, 80-83.	7.8	3
31	Hybrid polymer matrix composite containing polyaniline and Nafion as novel precursor of the enhanced catalyst for oxygen reduction reaction. <i>RSC Advances</i> , 2016, 6, 59961-59969.	3.6	3
32	Enhanced Specific Capacitance and Stability of Polyaniline by Nafion Doping. <i>ChemElectroChem</i> , 2022, 9, .	3.4	2
33	A Modified Four-Probe Method to Separate Ionic Conductance from Composite Conductors. <i>ChemElectroChem</i> , 2020, 7, 3535-3538.	3.4	1
34	Improved Sensitivity of Flexible Conductive Composites Throughout the Working Strain Range Based on Bioinspired Strain Redistribution. <i>ACS Applied Polymer Materials</i> , 2022, 4, 1608-1616.	4.4	1
35	Repletion of Nicotinamide adenine dinucleotide restores adult stem cell function and extends lifespan in mice. <i>AME Medical Journal</i> , 0, 2, 96-96.	0.4	0
36	Hair Regeneration by Small Molecules That Activate Autophagy. <i>SSRN Electronic Journal</i> , 0, .	0.4	0