

Xu Feng

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8112290/publications.pdf>

Version: 2024-02-01

23
papers

589
citations

758635

12
h-index

676716

22
g-index

23
all docs

23
docs citations

23
times ranked

1002
citing authors

#	ARTICLE	IF	CITATIONS
1	Deciphering the Cathodeâ€“Electrolyte Interfacial Chemistry in Sodium Layered Cathode Materials. <i>Advanced Energy Materials</i> , 2018, 8, 1801975.	10.2	111
2	Superenantioselective Chiral Surface Explosions. <i>Journal of the American Chemical Society</i> , 2013, 135, 19208-19214.	6.6	67
3	Effect of hydrothermal treatment on the acidity distribution of γ -Al ₂ O ₃ support. <i>Applied Surface Science</i> , 2006, 253, 766-770.	3.1	62
4	Biochar Surface Oxygenation by Ozonization for Super High Cation Exchange Capacity. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 16410-16418.	3.2	60
5	A study of rare earth ion-adsorption clays: The speciation of rare earth elements on kaolinite at basic pH. <i>Applied Clay Science</i> , 2021, 201, 105920.	2.6	48
6	Hydrothermal synthesis of FeS ₂ for lithium batteries. <i>Ionics</i> , 2007, 13, 375-377.	1.2	46
7	Ultrahigh Durability Perovskite Solar Cells. <i>Nano Letters</i> , 2019, 19, 1251-1259.	4.5	30
8	Surface transformation by a â€œcocktailâ€“ solvent enables stable cathode materials for sodium ion batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 2758-2766.	5.2	28
9	Altering the Electrochemical Pathway of Sulfur Chemistry with Oxygen for High Energy Density and Low Shuttling in a Na/S Battery. <i>ACS Energy Letters</i> , 2020, 5, 1070-1076.	8.8	22
10	Oxidation of MnO(100) and NaMnO ₂ formation: Characterization of Mn ²⁺ and Mn ³⁺ surfaces via XPS and water TPD. <i>Surface Science</i> , 2018, 675, 47-53.	0.8	20
11	Semiconducting and Metallic [5,5] Fullertube Nanowires: Characterization of Pristine D _{5h} (1)-C ₉₀ and D _{5d} (1)-C ₁₀₀ . <i>Journal of the American Chemical Society</i> , 2021, 143, 4593-4599.	6.6	17
12	Understanding the critical chemistry to inhibit lithium consumption in lean lithium metal composite anodes. <i>Journal of Materials Chemistry A</i> , 2018, 6, 16003-16011.	5.2	15
13	Na Deposition on MnO(100). <i>Surface Science</i> , 2016, 645, 23-29.	0.8	11
14	Adsorption and Hydrogenation of Acrolein on Ru(001). <i>Journal of Physical Chemistry C</i> , 2017, 121, 4384-4392.	1.5	11
15	Influence of hydrothermally modified γ -Al ₂ O ₃ on the properties of NiMo/ γ -Al ₂ O ₃ catalyst. <i>Applied Surface Science</i> , 2008, 254, 2077-2080.	3.1	9
16	Biogenic formation of amorphous carbon by anaerobic methanotrophs and select methanogens. <i>Science Advances</i> , 2021, 7, eabg9739.	4.7	8
17	Deposition and characterization of stoichiometric films of V ₂ O ₅ on Pd(111). <i>Surface Science</i> , 2017, 664, 1-7.	0.8	6
18	Screen-Printed Soft-Nitrided Carbon Electrodes for Detection of Hydrogen Peroxide. <i>Sensors</i> , 2019, 19, 3741.	2.1	6

#	ARTICLE	IF	CITATIONS
19	Reaction pathways for HCN on transition metal surfaces. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 5274-5284.	1.3	4
20	Synthesis of a planar, multicomponent catalytic surface of Na ₂ CO ₃ /MnO. <i>Surface Science</i> , 2021, 707, 121807.	0.8	4
21	Uranium tetrafluoride (UF ₄) powder analyzed by XPS. <i>Surface Science Spectra</i> , 2019, 26, 024008.	0.3	2
22	Sustainable Green Chemistry: Water-Soluble Ozonized Biochar Molecules To Unlock Phosphorus from Insoluble Phosphate Materials. <i>ACS Agricultural Science and Technology</i> , 2022, 2, 69-78.	1.0	2
23	Thorium tetrafluoride analyzed by XPS. <i>Surface Science Spectra</i> , 2020, 27, 024002.	0.3	0