Xu Feng

List of Publications by Year
in descending order

23 papers	589 citations	759055 12 h-index	677027 22 g-index
23 all docs	23 docs citations	23 times ranked	1002 citing authors

#	Article	IF	Citations
1	Sustainable Green Chemistry: Water-Soluble Ozonized Biochar Molecules To Unlock Phosphorus from Insoluble Phosphate Materials. ACS Agricultural Science and Technology, 2022, 2, 69-78.	1.0	2
2	A study of rare earth ion-adsorption clays: The speciation of rare earth elements on kaolinite at basic pH. Applied Clay Science, 2021, 201, 105920.	2.6	48
3	Semiconducting and Metallic [5,5] Fullertube Nanowires: Characterization of Pristine D_{5h}(1)-C₉₀ and D_{5d}(1)-C₁₀₀. Journal of the American Chemical Society, 2021, 143, 4593-4599.	6.6	17
4	Synthesis of a planar, multicomponent catalytic surface of Na2CO3/MnO. Surface Science, 2021, 707, 121807.	0.8	4
5	Biogenic formation of amorphous carbon by anaerobic methanotrophs and select methanogens. Science Advances, 2021, 7, eabg9739.	4.7	8
6	Thorium tetrafluoride analyzed by XPS. Surface Science Spectra, 2020, 27, 024002.	0.3	0
7	Altering the Electrochemical Pathway of Sulfur Chemistry with Oxygen for High Energy Density and Low Shuttling in a Na/S Battery. ACS Energy Letters, 2020, 5, 1070-1076.	8.8	22
8	Uranium tetrafluoride (UF4) powder analyzed by XPS. Surface Science Spectra, 2019, 26, 024008.	0.3	2
9	Screen-Printed Soft-Nitrided Carbon Electrodes for Detection of Hydrogen Peroxide. Sensors, 2019, 19, 3741.	2.1	6
10	Biochar Surface Oxygenation by Ozonization for Super High Cation Exchange Capacity. ACS Sustainable Chemistry and Engineering, 2019, 7, 16410-16418.	3.2	60
11	Ultrahigh Durability Perovskite Solar Cells. Nano Letters, 2019, 19, 1251-1259.	4.5	30
12	Reaction pathways for HCN on transition metal surfaces. Physical Chemistry Chemical Physics, 2019, 21, 5274-5284.	1.3	4
13	Surface transformation by a â€œcocktailâ€•solvent enables stable cathode materials for sodium ion batteries. Journal of Materials Chemistry A, 2018, 6, 2758-2766.	5.2	28
14	Oxidation of MnO(100) and NaMnO2 formation: Characterization of Mn2+ and Mn3+ surfaces via XPS and water TPD. Surface Science, 2018, 675, 47-53.	0.8	20
15	Deciphering the Cathodeâ€“Electrolyte Interfacial Chemistry in Sodium Layered Cathode Materials. Advanced Energy Materials, 2018, 8, 1801975.	10.2	111
16	Understanding the critical chemistry to inhibit lithium consumption in lean lithium metal composite anodes. Journal of Materials Chemistry A, 2018, 6, 16003-16011.	5.2	15
17	Adsorption and Hydrogenation of Acrolein on Ru(001). Journal of Physical Chemistry C, 2017, 121, 4384-4392.	1.5	11
18	Deposition and characterization of stoichiometric films of V 2 O 5 on Pd(111). Surface Science, 2017, 664, 1-7.	0.8	6

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19	Na Deposition on MnO(100). Surface Science, 2016, 645, 23-29.	0.8	11
20	Superenantioselective Chiral Surface Explosions. Journal of the American Chemical Society, 2013, 135, 19208-19214.	6.6	67
21	Influence of hydrothermally modified Î³-Al2O3 on the properties of NiMo/Î³-Al2O3 catalyst. Applied Surface Science, 2008, 254, 2077-2080.	3.1	9
22	Hydrothermal synthesis of FeS2 for lithium batteries. Ionics, 2007, 13, 375-377.	1.2	46
23	Effect of hydrothermal treatment on the acidity distribution of Î³-Al 2 O 3 support. Applied Surface Science, 2006, 253, 766-770.	3.1	62