

functional molecular silicon compounds pdf

Organosilicon compounds are organometallic compounds containing carbon-silicon bonds. Organosilicon chemistry is the corresponding science of their preparation and properties. Most organosilicon compounds are similar to the ordinary organic compounds, being colourless, flammable, hydrophobic, and stable to air.

Organosilicon - Wikipedia

Molecular science. The science of molecules is called molecular chemistry or molecular physics, depending on whether the focus is on chemistry or physics. Molecular chemistry deals with the laws governing the interaction between molecules that results in the formation and breakage of chemical bonds, while molecular physics deals with the laws governing their structure and properties.

Molecule - Wikipedia

Functional electrolytes with additives are one of the key materials which affect the electrochemical performance of the Li-ion batteries such as energy density, power density and cycling performance.

Recent advances in the research of functional electrolyte

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An efficient and cost-effective nitride-supported, ordered Fe₃Pt electrocatalyst that exhibits significant enhancement in catalytic activity and durability for the oxygen reduction reaction (ORR) when compared to disordered Fe₃Pt/C and Pt/C is demonstrated.

Advanced Energy Materials: Early View

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Better understanding the crystal-facet engineering of a crystal with tailored architecture has demonstrated a significant implication for rational design and synthesis of promising micro-/nanostructure.

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