Efficient Organic Light Emitting Diodes Oleds
The novel opens with Aunt Polly scouring the house in search of her nephew, Tom Sawyer. She finds him in the closet, discovers that his hands are covered with jam, and prepares to give him a whipping. Tom cries out theatrically, “Look behind you!” and when Aunt Polly turns, Tom escapes over the fence. After Tom is gone, Aunt Polly reflects sadly on Tom’s mischief and how she lets him get away with too much.

Tom comes home at supper and during supper, Aunt Polly asks him how school went. Tom says he was not skipped school that afternoon and went everywhere he was supposed to go until he left school. Then Tom and the new arrival is Tom’s half-brother, Sid. Tom has sworn the boy to secrecy about his adventures. When Tom gets out of the house later, Tom finds Aunt Polly waiting for him. She notices his dirtied clothes and resolves to make him work the next day, a Saturday, as punishment.

On Saturday morning, Aunt Polly sends Tom out to whitewash the fence. As he passes by, Sid offers to get Tom to do some of the whitewashing in return for a “white alley,” a kind of marble. Tom almost agrees, but Aunt Polly appears and chases him off, leaving Tom alone with his tasks.
The novel opens with Aunt Polly scouring the house in search of her nephew, Tom Sawyer. She finds him in the closet, discovers that his hands are covered with jam, and prepares to give him a whipping. Tom cries out theatrically, “Look behind you!” and when Aunt Polly turns, Tom escapes over the fence. After Tom is gone, Aunt Polly reflects ruefully on Tom’s mischief and how she lets him get away with too much.

Tom comes home at supper time. He tells Aunt Polly about his adventures. During supper, Aunt Polly ponders, “If Tom had been home, he would have skipped school that afternoon and went somewhere else.”

Tom and his half-brother, Ben, are both restless and arrogant. They play tricks and eventually chase the newcomers all the way home.

When he returns home in the evening, Tom finds Aunt Polly waiting for him. She notices his soiled clothes and resolves to make him work the next day, a Saturday, as punishment.

On Saturday morning, Aunt Polly sends Tom out to whitewash the fence. Jim passes by, and Tom tries to get Jim to do some of the whitewashing in return for a “white alley,” a kind of marble. Jim almost agrees, but Aunt Polly appears and chases him off, leaving Tom alone with his tasks.
Efficient Organic Light Emitting Diodes

Emitters exhibiting thermally activated delayed fluorescence (TADF) are promising as the third generation of luminescent materials for use in organic light-emitting diodes (OLEDs)\(^1\),\(^2\).

A class of metal-free organic electroluminescent molecules is designed in which both singlet and triplet excitons contribute to light emission, leading to an intrinsic fluorescence efficiency ...\(^3\),\(^4\).

Highly efficient organic light-emitting diodes from ...\(^5\).

A light-emitting diode (LED) is a semiconductor light source that emits light when current flows through it. Electrons in the semiconductor recombine with electron holes, releasing energy in the form of photons.\(^6\)

Light-emitting diode - Wikipedia

1. Introduction. Organic light-emitting diodes (OLEDs) find applications in flat-panel displays and solid-state lighting sources, owing to their prominent features such as self-luminescence, low power consumption, high resolution and high flexibility. Particularly, phosphorescent organic light-emitting diodes (PhOLEDs) have received ...\(^7\),\(^8\).

Triazolopyridine hybrids as bipolar host materials for ...\(^9\).

Phosphorescent organic light-emitting diodes use the principle of electrophosphorescence to convert electrical energy in an OLED into light in a highly efficient manner, with the internal quantum efficiencies of such devices approaching 100%.\(^10\)

OLED - Wikipedia

Bright organic/inorganic hybrid perovskite light‐emitting diodes (PrLEDs) are realized by using CH\(_3\)NH\(_3\)PbBr\(_3\) as an emitting layer and self‐organized buffer hole‐injection layer (Buf‐HIL).

Multicolored Organic/Inorganic Hybrid Perovskite Light ...\(^11\).

Enhancing the efficiency and the luminance of quantum dot light-emitting diodes by inserting a leaked electron harvesting layer with thermal-activated delayed fluorescence material ...\(^12\).

Ultra-thin transparent silver films for solar cells: New silver films may boost the efficiency of solar cells and light-emitting diodes. However, they have been difficult to fabricate.\(^13\)

Ultra-thin transparent silver films for solar cells New ...\(^14\).

Superb lifetime of blue organic light-emitting diodes through engineering interface carrier blocking layers and adjusting electron leakage and an unusual efficiency variation at low electric field ...\(^15\).

유기전자재료 연구실 - oled.skku.edu

Small lights with big potential: light emitting diodes & organic light emitting diodes Commercial History (1960s - Today)

LED Lights - How it Works - History

Eine organische Leuchtdiode (englisch organic light emitting diode, OLED) ist ein leuchtendes Dünnschichtbauelement aus organischen halbleitenden Materialien, das sich von den anorganischen Leuchtdioden (LED) dadurch unterscheidet, dass die elektrische Stromdichte und Leuchtdichte geringer und keine einkristallinen Materialien erforderlich sind.\(^16\)

Organische Leuchtdiode – Wikipedia

Light-emitting diodes (LEDs)—small colored lights available in any electronics store—are ubiquitous in modern society. They are the indicator lights on our stereos, automobile dashboards, and microwave ovens.\(^17\)

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