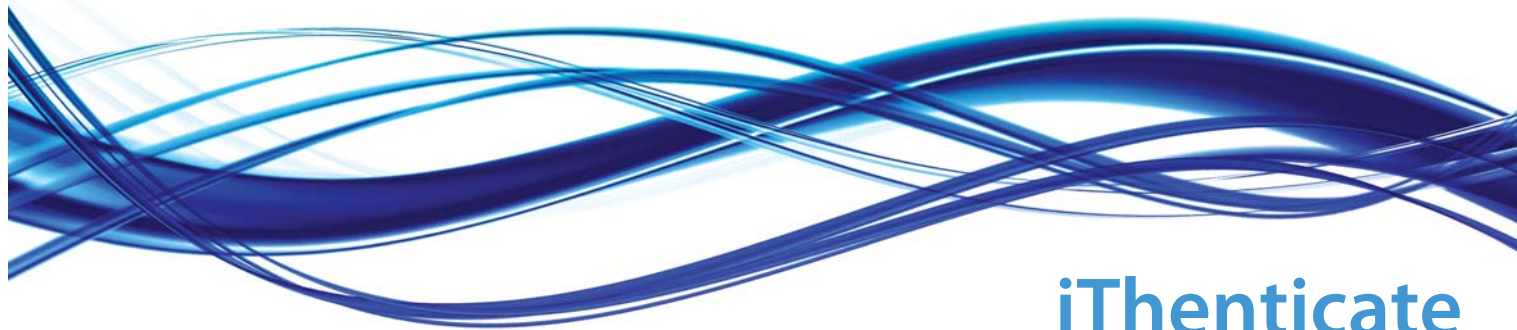


“A reliable way to verify the originality of works submitted for publication.”

-Ed Pentz, Executive Director, CrossRef



## iThenticate

### Plagiarism/Duplication Prevention, IP Protection & Doc-to-Doc Comparison

iThenticate offers the ultimate in content verification technology, whether ensuring content integrity, discouraging misappropriation of propriety content, or performing textual comparison between documents.

#### Technology & Database

Utilizing patented, award-winning technology, iThenticate allows users to compare content to comprehensive repositories that include:

- **The Internet:** both current and archived (more than eight years of coverage) Web pages and Web documents
- **InfoTrac OneFile:** with over 10,000 titles (more than 25 years of coverage), including newspapers, magazines, journals, electronic books and newswires
- **Emerald Journals:** with over 190 titles in the fields of management, information science and engineering
- **ABC-CLIO:** a database of electronic books and reference materials focused on history and social studies resources
- **SAGE Reference:** featuring more than 60 subject-specific reference encyclopedia titles
- **CrossRef Member Content:** scholarly journal articles from prominent publishers in the scientific, technical and medical research community.

#### Serving Myriad Industries

Diverse applications for extensive ongoing and project needs, in many business environments:

- Publishing
- Media
- Research
- Government
- Legal
- Financial



# Web-based Plagiarism/Duplication Screening & Intellectual Property Protection

## Comprehensive Reporting Capability

Within minutes of submission, a similarity report shows matches within the submitted document (example below) to the documents in the iThenticate database. Similarity reports include:

- Direct-source comparisons of matched words to matched documents
- Pattern-recognition matching of both word-for-word and paraphrased materials
- Ability to view all underlying matched words that have been obscured by overlapping matches
- Multiple report manipulations for optimum usability.

**iThenticate**  
OSA+Samples/OpEx\_89802.pdf

Processed on: Sep 11, 2008 9:31:25 AM PDT  
Word count: 3338  
Folder: OSA Samples  
[show xml source](#)

Similarity Index:  34% View: Similarity Report

[Exclude Quotes](#) [Exclude Bibliography](#)

Match #	Similarity	Source
1	21% match (CrossCheck)	Hao Wang, "Active Packaging Method for Light-Emitting Diode Lamps With Photosensitive Epoxy Resins", IEEE Photonics Technology Letters, 1/2008
2	7% match (Internet from Sep 11, 2008)	lib.bioinfo.pl
3	3% match (Internet from Jun 14, 2008)	scienceschool.usyd.edu.au
4	1% match (CrossCheck)	N. Narendran, "Life of LED-Based White Light Sources", Journal of Display Technology, 9/2005
5	1% match (Internet)	www.opto.e-technik.uni-ulm.de
6	< 1% match (CrossCheck)	Jae Woo Lee, "Period and light variations for the cool, overcontact binary BX Pegasus", Monthly Notices of the Royal Astronomical Society, 8/2004
7	< 1% match (CrossCheck)	S.-K. Lee, "High-brightness gallium nitride nanowire UV-blue light emitting diodes", Philosophical Magazine, 5/2007
8	< 1% match (CrossCheck)	Z.C. Wu, "A novel blue-emitting phosphor LiSrPO4:Eu2+ for white LEDs", Journal of Solid State Chemistry, 200608
9	< 1% match (Internet from Nov 1, 2006)	www.csavarker.hu
10	< 1% match (CrossCheck)	H.G. Kim, "High-Reflectivity Al-Pt Nanostructured Ohmic Contact to p-GaN", IEEE Transactions on Electron Devices, 10/2006

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wanghao@sctu.edu.cn 13 Abstract: A novel light-emitting diode (LED) packaging method, named the active packaging (AP) method, is presented in this paper. In this method, during the LED packaging process, the light emitted from a GaN LED chip itself is employed to package the LED encapsulant, thereby eliminating the need to utilize a mold. Current injection into a bare LED chip, triggers a photosensitive epoxy to polymerize, leading to the formation of mushroom lamp cap on the LED chip. The emission properties of LEDs fabricated by this method, including their emission beam profiles and light outputs, were characterized. The results showed that a self-focusing effect happened with the addition of an epoxy on the chip. The simulation demonstrated that the geometry the encapsulant controlled the beam pattern of emission. Further, the self-focusing effect was believed to be caused by the combination of the threshold energy of epoxy polymerization, the beam pattern and the power output of the LED chip.

C2008 Optical Society of America OCIS codes: (250.0250) Optoelectronics; (220.4610) Optical fabrication.  
References and links

## Customer Support & Integration

Web-based training and email/phone helpdesk. API integration for content management systems and manuscript tracking systems.