

Dye-Sensitized Solar Cells

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Record 1 of 29

Author(s): Umar, A (Umar, Ahmad); Alharbi, AA (Alharbi, A. A.); Singh, P (Singh, Pragya); Al-Sayari, SA (Al-Sayari, S. A.)

Title: Growth of Aligned Hexagonal ZnO Nanorods on FTO Substrate for Dye-Sensitized Solar Cells (DSSCs) Application

Source: JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY, 11 (4): 3560-3564 APR 2011

ISSN: 1533-4880

DOI: 10.1166/jnn.2011.4150

Record 2 of 29

Author(s): Kisserwan, H (Kisserwan, Hawraa); Ghaddar, TH (Ghaddar, Tarek H.)

Title: Enhancement of photocurrent in dye sensitized solar cells incorporating a cyclometalated ruthenium complex with cuprous iodide as an electrolyte additive

Source: DALTON TRANSACTIONS, 40 (15): 3877-3884 2011

ISSN: 1477-9226

DOI: 10.1039/c0dt01554g

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Author(s): Islam, A (Islam, Ashraful); Singh, SP (Singh, Surya Prakash); Yanagida, M (Yanagida, Masatoshi); Karim, MR (Karim, Mohammad Rezaul); Han, LY (Han, Liyuan)

Title: Amphiphilic Ruthenium(II) Terpyridine Sensitizers with Long Alkyl Chain Substituted beta-Diketonato Ligands: An Efficient Coadsorbent-Free Dye-Sensitized Solar Cells

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Author(s): Archana, PS (Archana, Panikar S.); Jose, R (Jose, Rajan); Jin, TM (Jin, Tan Mein); Vijila, C (Vijila, Chellapan); Yusoff, MM (Yusoff, Mashitah M.); Ramakrishna, S (Ramakrishna, Seeram)

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Author(s): Nair, AS (Nair, A. Sreekumaran); Jose, R (Jose, Rajan); Shengyuan, Y (Shengyuan, Yang); Ramakrishna, S (Ramakrishna, Seeram)

Title: A simple recipe for an efficient TiO₂ nanofiber-based dye-sensitized solar cell

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Record 6 of 29

Author(s): Law, CH (Law, ChunHung); Pathirana, SC (Pathirana, Shehan C.); Li, XO (Li, Xiaoe); Anderson, AY (Anderson, Assaf Y.); Barnes, PRF (Barnes, Piers R. F.); Listorti, A (Listorti, Andrea); Ghaddar, TH (Ghaddar, Tarek H.); O'Regan, BC (O'Regan, Brian C.)

Title: Water-Based Electrolytes for Dye-Sensitized Solar Cells

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Author(s): Mathews, N (Mathews, Nripan); Varghese, B (Varghese, Binni); Sun, C (Sun, Cheng); Thavasi, V (Thavasi, Velmurugan); Andreasson, BP (Andreasson, Bjoern P.); Sow, CH (Sow, Chornghaur H.); Ramakrishna, S (Ramakrishna, Seeram); Mhaisalkar, SG (Mhaisalkar, Subodh G.)

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Author(s): Nair, AS (Nair, A. Sreekumaran); Yang, SY (Yang Shengyuan); Zhu, PN (Zhu Peining); Ramakrishna, S (Ramakrishna, Seeram)

Title: Rice grain-shaped TiO₂ mesostructures by electrospinning for dye-sensitized solar cells

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Author(s): Hafez, H (Hafez, Hoda); Wu, JH (Wu, Jihuai); Lan, Z (Lan, Zhang); Li, QH (Li, Qinghua); Xie, GX (Xie, Guixiang); Lin, JM (Lin, Jianming); Huang, ML (Huang, Miaoliang); Huang, YF (Huang, Yunfang); Abdel-Mottaleb, MS (Abdel-Mottaleb, M. S.)

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Source: NANOTECHNOLOGY, 21 (41): Art. No. 415201 OCT 15 2010

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Author(s): Al-Heniti, S (Al-Heniti, S.); Umar, A (Umar, Ahmad); Singh, P (Singh, Pragya); Sayari, A (Sayari, A.); Al-Hajry, A (Al-Hajry, A.); Al-Ghamdi, AA (Al-Ghamdi, A. A.)

Title: Nanocrystalline ZnO Flakes for Photovoltaic Device Applications

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Author(s): Kashyout, AB (Kashyout, A. B.); Soliman, M (Soliman, M.); Fathy, M (Fathy, M.)

Title: Effect of preparation parameters on the properties of TiO₂ nanoparticles for dye sensitized solar cells

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Author(s): Umar, A (Umar, Ahmad); Singh, P (Singh, Pragya); Al-Ghamdi, AA (Al-Ghamdi, A. A.); Al-Heniti, S (Al-Heniti, S.)

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Author(s): Kisserwan, H (Kisserwan, Hawraa); Ghaddar, TH (Ghaddar, Tarek H.)

Title: Enhancement of photovoltaic performance of a novel dye, "T18", with ketene thioacetal groups as electron donors for high efficiency dye-sensitized solar cells

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Title: Solid-state dye-sensitized solar cells based on ZnO nanocrystals
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Author(s): Reda, SM (Reda, Safenaz M.); El-Sherbieny, SA (El-Sherbieny, Said A.)
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Author(s): Al-Hajry, A (Al-Hajry, Ali)
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Title: Growth, properties and dye-sensitized solar cells - applications of ZnO nanorods grown by low-temperature solution process
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Author(s): O'Regan, BC (O'Regan, Brian C.); Walley, K (Walley, Kate); Juozapavicius, M (Juozapavicius, Mindaugas); Anderson, A (Anderson, Assaf); Matar, F (Matar, Farah); Ghaddar, T (Ghaddar, Tarek); Zakeeruddin, SM (Zakeeruddin, Shaik M.); Klein, C (Klein, Cedric); Durrant, JR (Durrant, James R.)
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Author(s): Lee, SHA (Lee, Seung-Hyun Anna); Abrams, NM (Abrams, Neal M.); Hoertz, PG (Hoertz, Paul G.); Barber, GD (Barber, Greg D.); Halaoui, LI (Halaoui, Lara I.); Mallouk, TE (Mallouk, Thomas E.)
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