

Metallic Butterfly Wing Scales

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METALLIC BUTTERFLY WING SCALES - SUPERSTRUCTURES WITH HIGH ...

Tue, 16 May 2017 00:26:00 GMT

this book presents a method for replicating natural butterfly wing scales using a variety of metals for state-of-the-art applications requiring high

VERSATILE FABRICATION OF INTACT THREE-DIMENSIONAL METALLIC ...

Sun, 28 Aug 2011 23:55:00 GMT

versatile fabrication of intact three-dimensional metallic butterfly wing scales with ... surface functionalization of butterfly wing scales and subsequent ...

METALLIC BUTTERFLY WING SCALES : SUPERSTRUCTURES WITH HIGH ...

Thu, 04 May 2017 03:17:00 GMT

get this from a library! metallic butterfly wing scales : superstructures with high surface-enhancement properties for optical applications. [jiajun gu; di zhang ...

METALLIC BUTTERFLY WING SCALES: SUPERSTRUCTURES WITH HIGH ...

Fri, 14 Apr 2017 15:58:00 GMT

metallic butterfly wing scales: superstructures with high surface-enhancement properties for optical applications

VERSATILE FABRICATION OF INTACT THREE-DIMENSIONAL METALLIC ...

Sun, 28 Aug 2011 23:55:00 GMT

versatile fabrication of intact three-dimensional metallic butterfly wing scales with hierarchical sub-micrometer structures ... in butterfly wing scales: ...

MATERIALS: BUTTERFLY WINGS TURNED TO METAL : NATURE ...

Wed, 03 Aug 2011 20:36:00 GMT

the tiny scales that lend colour and texture to a butterfly's wings can be used as organic templates to make metallic nanostructures (pictured).

METALLIC BUTTERFLY WING SCALES - SPRINGER

Sat, 11 Feb 2017 22:05:00 GMT

metallic butterfly wing scales superstructures with high surface-enhancement properties for optical applications

VERSATILE FABRICATION OF INTACT THREE-DIMENSIONAL METALLIC ...

Mon, 15 May 2017 19:39:00 GMT

3d nanostructures doi: 10.1002/anie.201103505 versatile fabrication of intact three-dimensional metallic butterfly wing scales with hierarchical sub-micrometer ...

BUTTERFLY WINGS BECOME DESIGN TEMPLATES | EVOLUTION NEWS

Mon, 15 Aug 2011 11:53:00 GMT

a team in china has succeeded in making metallic butterfly wings — not from scratch, or by imitation, but by actually depositing metal onto the wings and removing ...

10.3724/SP.J.1077.2012.11698 - CHINA SCIENCE JOURNAL

Sat, 15 Apr 2017 14:03:00 GMT

key words? butterfly wing scale,3d quasi-periodic ... versatile fabrication of intact three-dimensional metallic butterfly wing scales with hierarchical sub ...

BUTTERFLY ANATOMY - WINGS

Fri, 12 May 2017 23:39:00 GMT

pigmentary scales are also known as "ground scales" as they effectively form a lower ground layer of colour and pattern on a butterfly's wings.

METALLIC BUTTERFLY WING SCALES: SUPERSTRUCTURES WITH HIGH ...

Wed, 05 Apr 2017 01:50:00 GMT

metallic butterfly wing scales: superstructures with high surface-enhancement properties for optical applications | jiajun gu, di zhang, yongwen tan (auth.) | digital ...

REDUCTION OF CUO BUTTERFLY WING SCALES GENERATES CUSERS ...

Mon, 27 Mar 2017 22:46:00 GMT

reduction of cuo butterfly wing scales generates cusers substrates for dna base detection yongwen tan, jiajun gu,* wei xu, zhipeng chen, dingxin liu, qinglei liu ...

NANOFABRICATION AND COLORATION STUDY ... - SCIENTIFIC REPORTS

Sun, 26 Jul 2015 23:58:00 GMT

the bright and iridescent blue color from morpho butterfly wings has attracted worldwide attentions to explore its mysterious nature for long time.

STRUCTURAL COLORS FROM MORPHO PELEIDES BUTTERFLY WING SCALES

Sat, 13 May 2017 23:45:00 GMT

structural colors from morpho peleides butterfly wing scales yong ding, sheng xu, and zhong lin wanga school of materials science and engineering, georgia institute ...

SCALE BUTTERFLY KIT - MAKE 5 BUTTERFLIES - METAL DESIGNZ

Sun, 07 May 2017 22:19:00 GMT

scale butterfly kit - make 5 butterflies; ... click here to add the large engraved butterfly wing scales ... © 2017 metal designz

BUTTERFLIES | CAUSES OF COLOR - WEBEXHIBITS

Wed, 17 May 2017 22:14:00 GMT

the males have beautiful metallic blue upper wings, ... such as butterfly wings, ... meaning "scaly wings"). each scale is a flattened outgrowth of a single cell and ...

LIVING PHOTONIC CRYSTALS: BUTTERFLY SCALES — NANOSTRUCTURE ...

Tue, 16 May 2017 12:43:00 GMT

the photonic crystal type nanostructures in the scales of male individuals of two butterfly species: cyanophrys remus and albulina metallica were investigated b

REPLICATION OF BUTTERFLY WING MICROSTRUCTURES USING ...

Tue, 09 May 2017 14:53:00 GMT

this study employed a soft lithography technique to ... on the replicated wing creates a metallic effect that resembles ... color in wing scales of butterfly ...

GEOMETRY AND PATTERN IN NATURE 2: IRIDESCENCE IN BUTTERFLY ...

Wed, 17 May 2017 00:46:00 GMT

geometry and pattern in ... butterfly wings often exhibit a wonderful range of ... actually shows the same surface features as the metallic green scale depicted ...

BUTTERFLY WING SCALES - MICROGNET.FSU

Thu, 12 Nov 2015 23:58:00 GMT

phase contrast image gallery butterfly wing scales. butterflies and moths are unique insects partly because their entire bodies are covered by microscopic scales that ...

PHOTOPHYSICS OF STRUCTURAL COLOR IN THE MORPHO BUTTERFLIES

Mon, 01 May 2017 15:45:00 GMT

photophysics of structural color in the morpho butterflies 105 angular range. the transmission and reflection spectra were measured by placing a piece

MORPHO BUTTERFLY WING SCALES ON VIMEO

Sat, 14 Jan 2017 00:56:00 GMT

morpho butterfly scale iridescence, taken with a light microscope. lighting from the left side, by rotating the scales you see the blue iridescence effect.

BUTTERFLY WING SCALE DIGITAL IMAGE GALLERY: SILVERSPOT ...

Mon, 15 May 2017 05:27:00 GMT

butterfly wing scale digital image gallery silverspot butterfly. the silverspot butterfly is an insect that goes by many names. scientifically described as *dione juno* ...

RESEARCH ON SPECTRAL REFLECTION CHARACTERISTICS OF ...

Sat, 13 May 2017 07:39:00 GMT

research on spectral reflection characteristics of nanostructures in morpho butterfly wing scale ... or appear 'metallic' [3-7]. a tropical butterfly, morpho

BUTTERFLY ANATOMY - WING SCALES

Mon, 15 May 2017 12:58:00 GMT

butterfly wing scales are laid out in neat rows like the tiles on a roof. some scales like those from the orange area of the wing of ...

BUTTERFLY WING SCALES (MORPHO AEGA) SCIENCE IMAGE ...

Sat, 29 Apr 2017 14:29:00 GMT

science image of butterfly wing scales (morpho aega) from ps micrographs. specialists in science images. 80200215a

CHELSEA HOPKINS-ALLAN I AUSTRALIAN ARTIST

Mon, 15 May 2017 15:07:00 GMT

these paintings are giant illustrations of the surface of butterfly and moth wings, which are carpeted in millions of tiny microscopic scales!

BUTTERFLY WINGS INSPIRE NEW TECHNOLOGIES: FROM FABRICS AND ...

Sun, 08 Sep 2013 23:56:00 GMT

butterfly wings inspire new technologies: from fabrics and cosmetics to ... gas adsorption is a by-product of the process of butterfly wing scale ...

BUTTERFLY WING SCALES (MORPHO AEGA) SCIENCE IMAGE ...

Wed, 30 Nov 2016 08:23:00 GMT

science image of butterfly wing scales (morpho aega) from ps micrographs. specialists in science images. 80200215c