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Original research article

## Modeling of spectral reflectance characteristics in a semi-distributed interferometer sensor as a randomly segmented structure

Milan S. Kovačević<sup>a</sup>, Daniele Tosi<sup>b,\*</sup>, Wilfried Blanc<sup>c</sup>, Ljubica Kuzmanović<sup>a</sup>, Vladimir Marković<sup>a</sup>

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Original research article

## Optical modeling and design of Fabry–Perot interferometer sensors for detection of human skin cancer cells

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Full length article

## Functionalized fiber-optic semi-distributed interferometers as opto-biological, multiplexable physical unclonable functions

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## Quasi-random interferometric optical fiber biosensor for label-free quantitative detection of CD44-expressing cancer cells

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 Zhannat Ashikbayeva <sup>a,c</sup>, Damira Kanayeva <sup>c</sup>, Carlos Marques <sup>d,e</sup>, Santosh Kumar <sup>f</sup>,  
 Milan S. Kovacevic <sup>g</sup>, Wilfried Blanc <sup>h,Ⓜ</sup>, Constantinos Valagiannopoulos <sup>i</sup>,  
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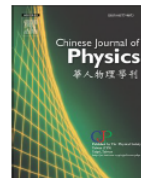
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An estimation magnetic field influence on hemoglobin and oxygen concertation-dependent diffusion in red blood cells: A theoretical and numerical study

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*Molecular Sciences*



Article

## Magnetically Targeted Drug Transport Across a Tumor Cell Membrane Under Magnetic Field Gradients

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