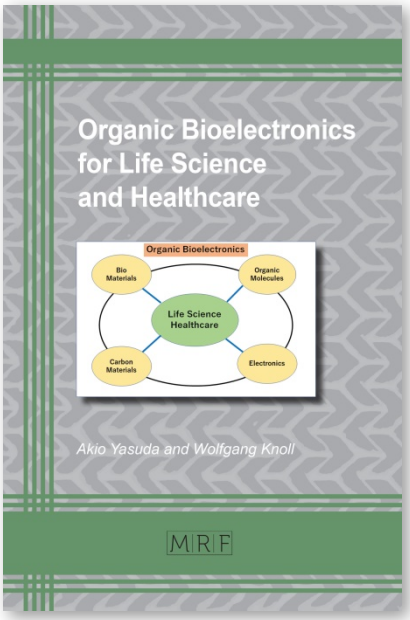
eBook Information

Materials Research
Solid State Physics and Engineering

Organic Bioelectronics for Life Science and Healthcare



Eds. Akio Yasuda and Wolfgang Knoll

PDF eBook / PDF eBook DRM Free

The book presents concrete examples and shows that there are lots of sensing targets still remaining to be handled.

Keyword: Organic Bioelectronics, Bioelectronic Devices, Biosensing Technologies, Organic Field Effect Transistor (OFET), OFET-based Sensor, Functional Bio-Interlayer OFET, Electrolyte-gated OFET, Organic Charge-Modulated FET, Graphene-based Materials, Carbon Nanotube, Carbon-based Biosensors, Inkjet Printing, Stroke Monitoring

ISBN 13: 978-1-64490-037-6, **Publication Date:** 2019 (10/10/2019)
Direct URL: http://www.mrforum.com/product/organic-bioelectronics
290 pages, PDF eBook DRM Free, USD 125.00
Materials Research Foundations Vol. 56 / **BISAC:** TEC021000 /
BIC/Thema: TGM
Imprint: Materials Research Forum LLC, *Publisher's sales rights are Wordwide*

Summary:

Novel bio-electronic devices have a great potential for gathering biological information such as vital signs, cell behavior, protein and DNA molecule concentrations. The book presents concrete examples and shows that there are lots of sensing targets still remaining to be handled. Organic materials offer high sensitivity, flexibility and biocompatibility, and can be prepared by novel fabrication methods such as printing and coating at low cost. Part 1: OFET-based sensors. Part 2: Graphene-based materials and sensor device applications. Part 3: Applications of bio-sensing technologies, inkjet printing, tests for stroke monitoring, etc.

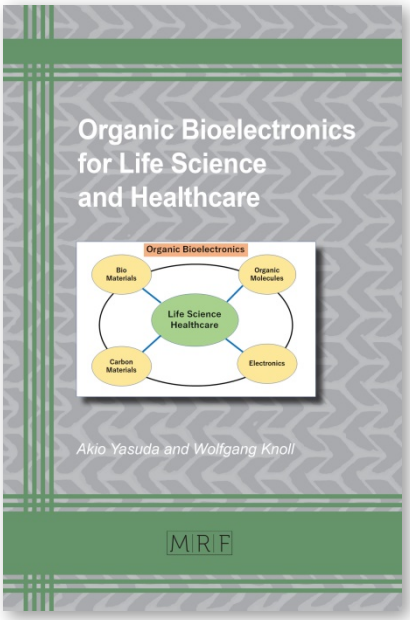
Materials Research Forum LLC
105 Springdale Lane
Millersville, PA 17551
U.S.A.

http://www.mrforum.com
e-mail: t.wohlbier@mrforum.com
Phone: (+1) 717 872 1943

Book Information

Materials Research
Solid State Physics and Engineering

Organic Bioelectronics for Life Science and Healthcare



Eds. Akio Yasuda and Wolfgang Knoll

Handbook / color print, paperback

The book presents concrete examples and shows that there are lots of sensing targets still remaining to be handled.

Keyword: Organic Bioelectronics, Bioelectronic Devices, Biosensing Technologies, Organic Field Effect Transistor (OFET), OFET-based Sensor, Functional Bio-Interlayer OFET, Electrolyte-gated OFET, Organic Charge-Modulated FET, Graphene-based Materials, Carbon Nanotube, Carbon-based Biosensors, Inkjet Printing, Stroke Monitoring

ISBN 13: 978-1-64490-036-9, **Publication Date:** 2019 (10/10/2019)
Direct URL: http://www.mrforum.com/product/organic-bioelectronics
290 pages, color print, paperback, USD 125.00
Materials Research Foundations Vol. 56 / **BISAC:** TEC021000 /
BIC/Thema: TGM
Imprint: Materials Research Forum LLC, *Publisher's sales rights are Wordwide*

Summary:

Novel bio-electronic devices have a great potential for gathering biological information such as vital signs, cell behavior, protein and DNA molecule concentrations. The book presents concrete examples and shows that there are lots of sensing targets still remaining to be handled. Organic materials offer high sensitivity, flexibility and biocompatibility, and can be prepared by novel fabrication methods such as printing and coating at low cost. Part 1: OFET-based sensors. Part 2: Graphene-based materials and sensor device applications. Part 3: Applications of bio-sensing technologies, inkjet printing, tests for stroke monitoring, etc.

Materials Research Forum LLC
105 Springdale Lane
Millersville, PA 17551
U.S.A.

http://www.mrforum.com
e-mail: t.wohlbier@mrforum.com
Phone: (+1) 717 872 1943