Isabel Rodriguez

https://orcid.org/0000-0002-7178-8275

Websites & Social Links

Nanostructured Functional Surfaces Group website (https://nanociencia.imdea.org/nanostructured-functional-surfaces/home)

Country

Spain

Other IDs

ResearcherID: G-3178-2016 (http://www.researcherid.com/rid/G-3178-2016)

Biography

Isabel Rodriguez is a Senior Research Professor at IMDEA Nanociencia. She earned her PhD in Science from the National University of Singapore in 2000. Following her doctorate, she completed a postdoctoral fellowship at the Institute of Microengineering, EPFL in Neuchâtel, Switzerland. She then joined the Institute of Institute of Materials Research and Engineering (IMRE), A*STAR in Singapore as Postdoctoral Research Associate, where she remained until her promotion to Senior Research Scientist in 2013.
She has extensive research expertise in micro- and nanofabrication technologies, with a particular focus on nanoimprint lithography for processing polymeric soft materials. Her work aims to develop unconventional fabrication methods that create unique structures surpassing the limitations of traditional approaches. Central to her research is the design of functional and frequently bioinspired materials and devices. In recent years, her attention has turned to microfluidic lab-on-chip systems that mimic the tumor microenvironment to study the transport behavior of nanomedicines.

Employment (2)

Fundación IMDEA Nanociencia: Madrid, ES

2013 to present | Senior Scientist (Nano surfaces)

Employment

Source: Isabel Rodriguez

Institute of Materials Research and Engineering: Singapore, SG

1999 to 2013 | Research Scientist

Employment

Source: Isabel Rodriguez

Education and qualifications (1)

National University of Singapore: Singapore, SG

1998 to present | Science PhD

Education

Source: Isabel Rodriguez

Funding (10)

NEURONANOTECH: Nanoplatforms for Neuroscience
HORIZON-MSCA-2023-DN-01-01 (EU)
2025-01 to 2029-01|Grant
GRANT_NUMBER: 101169352
URL: https://neuronanotech.eu/ (https://neuronanotech.eu/)
Source: Isabel Rodriguez

NEURALFLEX
Ministerio de Ciencia, Innovación y Universidades (Madrid)
2024 to 2027|Grant
GRANT_NUMBER: PID2023-153180OB-I00
Source: Isabel Rodriguez

FUNWIN
Ministerio de Ciencia, Innovación y Universidades (Madrid)
2023 to 2025|Grant
GRANT_NUMBER: TED2021-130920B-C22
Source: Isabel Rodriguez

NANOSCELL
Ministerio de Ciencia e Innovación (MADRID)
2022-12 to 2023-12|Grant
GRANT_NUMBER: PDC2021-121515-I00
Source: Isabel Rodriguez

Regenerative Innovative Nanotools & Nanomaterials
Ministerio de Ciencia e Innovación (Madrid)
2021-09 to 2024-09|Grant
GRANT_NUMBER: PID2020-120202RB-I00
Source: Isabel Rodriguez

MADRID-PV2
Comunidad de Madrid (Madrid)
2019 to 2022|Grant
GRANT_NUMBER: P2018/NMT-4308
Source: Isabel Rodriguez

EVO-NANO
European Commission (Brussels)
2018-10 to 2022-03|Grant
GRANT_NUMBER: EU, H2020- FET-OPEN no: 800983
Source: Isabel Rodriguez

BiSURE
Ministerio de Economía, Industria y Competitividad,
Gobierno de España (Madrid)
2018-01 to 2020-12|Grant
GRANT_NUMBER: DPI2017-90058-R
Source: Isabel Rodriguez

NANOLEAP
European Commission (Brussels)
2015 to 2018|Grant
GRANT_NUMBER: EU, H2020- NMP-PILOTS-2014, Grant no: 646397
Source: Isabel Rodriguez

LAPSEN
Ministerio de Economía, Industria y Competitividad,
Gobierno de España (Madrid)
2015 to 2017|Grant
GRANT_NUMBER: MAT2014-57652-C2-1-R
Source: Isabel Rodriguez

Works (77 of 77)

In-vitro real-time magnetic recording of neuronal activity on spinal cord slices
Sensing and Bio-Sensing Research
2025-12 | journal-article
DOI: 10.1016/j.sbsr.2025.100885
Source: Crossref

Exploring bacteria–surface interactions with a fluorescent membrane tension probe
Proceedings of the National Academy of Sciences
2025-10-21 | journal-article
DOI: 10.1073/pnas.2512977122
Source: Crossref

Investigation of nanoparticle extravasation pathways in tumor vessel-on-a-chip devices
Nanomedicine: Nanotechnology, Biology and Medicine
2025-10 | journal-article
DOI: 10.1016/j.nano.2025.102863
Part of ISSN: 1549-9634
Source: Isabel Rodriguez

Investigating non fluorescence nanoparticle transport in Matrigel-filled microfluidic devices using synchrotron X-ray scattering

Micro and Nano Systems Letters

2024-11-02 | journal-article

DOI: 10.1186/s40486-024-00213-1

Part of ISSN: 2213-9621

Source: Isabel Rodriguez

Fabrication of high-performance lens arrays for micro-concentrator photovoltaics using ultraviolet imprinting

The International Journal of Advanced Manufacturing Technology

2024-04 | journal-article

DOI: 10.1007/s00170-024-13350-z

Part of ISSN: 0268-3768

Part of ISSN: 1433-3015

Source: Isabel Rodriguez

Recapitulating Solid Stress on Tumor on a Chip for Nanomedicine Diffusive Transport Prediction

Advanced NanoBiomed Research

2023-06 | journal-article

DOI: 10.1002/anbr.202200164

Source: Crossref

Real-Time Imaging of the Mechanobactericidal Action of Colloidal Nanomaterials and Nanostructured Topographies

Small Science

2023-04-05 | journal-article

DOI: 10.1002/smsc.202300002

Part of ISSN: 2688-4046

Part of ISSN: 2688-4046

Source: Isabel Rodriguez

High-Performance Implantable Sensors based on Anisotropic Magnetoresistive La_{0.67}Sr_{0.33}MnO₃ for Biomedical Applications
ACS Biomaterials Science & Engineering
2023-02-13 | journal-article
DOI: 10.1021/acsbiomaterials.2c01147
Part of ISSN: 2373-9878
Part of ISSN: 2373-9878
Source: Isabel Rodriguez

Mechano-Dynamic Analysis of the Bactericidal Activity of Bioinspired Moth-Eye Nanopatterned Surfaces
Advanced Materials Interfaces
2022-08 | journal-article
DOI: 10.1002/admi.202200608
Source: Crossref

Resilient moth-eye nanoimprinted antireflective and self-cleaning TiO2 sputter-coated PMMA films
Applied Surface Science
2022-05 | journal-article
DOI: 10.1016/j.apsusc.2022.152653
Part of ISSN: 0169-4332
Source: Isabel Rodriguez

Bioinspired antireflective flexible films with optimized mechanical resistance fabricated by roll to roll thermal nanoimprint
Scientific Reports
2021-12 | journal-article
DOI: 10.1038/s41598-021-81560-6
Part of ISSN: 2045-2322
Source: Isabel Rodriguez

Enhanced Mechanical and Thermal Resistances of Nanoimprinted Antireflective Moth-Eye Surfaces Based on Poly Vinylidene Fluoride/TiO2 Surface Nanocomposites
Advanced Engineering Materials
2021-12 | journal-article
DOI: 10.1002/adem.202100603
Source: Crossref

Roll-to-roll nanoimprint lithography of high efficiency Fresnel lenses for micro-concentrator photovoltaics
Optics Express
2021-10-11 | journal-article
DOI: 10.1364/OE.437803
Source: Crossref

Microvessel-on-Chip Fabrication for the In Vitro Modeling of Nanomedicine Transport
ACS Omega
2021-10-05 | journal-article
DOI: 10.1021/acsomega.1c00735
Source: Crossref

Improved thermal stability of antireflective moth-eye topography imprinted on PMMA/TiO2 surface nanocomposites
Nanotechnology
2021-08-13 | journal-article
DOI: 10.1088/1361-6528/abfe26
Source: Crossref

Polystyrene Nanopillars with Inbuilt Carbon Nanotubes Enable Synaptic Modulation and Stimulation in Interfaced Neuronal Networks
Advanced Materials Interfaces
2021-05 | journal-article
DOI: 10.1002/admi.202002121
Part of ISSN: 2196-7350
Part of ISSN: 2196-7350
Source: Isabel Rodriguez

On the nature of solvothermally synthesized carbon nanodots
Journal of Materials Chemistry C
2021 | journal-article
DOI: 10.1039/D1TC04255F
Source: Crossref

Flexible distributed feedback lasers based on nanoimprinted cellulose diacetate with efficient multiple wavelength lasing
npj Flexible Electronics
2019-09-03 | journal-article
DOI: 10.1038/s41528-019-0062-4
Part of ISSN: 2397-4621
Source: Isabel Rodriguez

Multilevel Hierarchical Topographies by Combined Photolithography and Nanoimprinting Processes To Create Surfaces with Controlled Wetting
ACS Applied Nano Materials
2019-08-23 | journal-article
DOI: 10.1021/acsanm.9b00338
Source: Crossref

Engineered protein-based functional nanopatterned materials for bio-optical devices
Nanoscale Advances
2019 | journal-article
DOI: 10.1039/C9NA00289H
Source: Crossref

Moth-eye mimetic cytocompatible bactericidal nanotopography: a convergent design
Bioinspiration & Biomimetics
2018-02-27 | journal-article
DOI: 10.1088/1748-3190/aaa903
Source: Crossref

Nano-engineering safer-by-design nanoparticle based moth-eye mimetic bactericidal and cytocompatible polymer surfaces
RSC Advances
2018 | journal-article
DOI: 10.1039/C8RA03403F
Source: Crossref

Single-imprint moth-eye anti-reflective and self-cleaning film with enhanced resistance
Nanoscale
2018 | journal-article
DOI: 10.1039/C8NR02386G
Source: Crossref

Highly pH-responsive sensor based on amplified spontaneous emission coupled to colorimetry
Scientific Reports
2017-04-07 | journal-article
DOI: 10.1038/srep46265
Part of ISSN: 2045-2322
Source: Isabel Rodriguez

Multifunctional Nano-engineered Polymer Surfaces with Enhanced Mechanical Resistance and Superhydrophobicity
Scientific Reports
2017-03-06 | journal-article
Source: Isabel Rodriguez

Flexible all-polymer waveguide for low threshold amplified spontaneous emission
Scientific Reports
2016-09-30 | journal-article
DOI: 10.1038/srep34565
Source: Isabel Rodriguez

Biomechanical Cell Regulation by High Aspect Ratio Nanoimprinted Pillars
Advanced Functional Materials
2016-06-26 | journal-article
DOI: 10.1002/adfm.201601817
Source: Isabel Rodriguez

Lotus Bioinspired Superhydrophobic, Self-Cleaning Surfaces from Hierarchically Assembled Templates
Journal of Polymer Science Part B-Polymer Physics
2014 | journal-article
DOI: 10.1002/polb.23461
WOSUID: WOS:000332068300007
Source: Isabel Rodriguez*via* ResearcherID

A portable lab-on-a-chip instrument based on MCE with dual topbottom capacitive coupled contactless conductivity detector in replaceable cell cartridge
Electrophoresis
2013 | journal-article
DOI: 10.1002/elps.201200592
WOSUID: WOS:000318935500017
Source: Isabel Rodriguez*via* ResearcherID

Microfluidic cell trap array for controlled positioning of single cells on adhesive micropatterns
Lab on a Chip
2013 | journal-article
DOI: 10.1039/c2lc41070b
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Source: Isabel Rodriguez *via* ResearcherID

Review: Micro- and nanostructured surface engineering for biomedical applications
Journal of Materials Research
2013 | journal-article
DOI: 10.1557/jmr.2012.398
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Source: Isabel Rodriguez *via* ResearcherID

Shear Adhesion Strength of Gecko-Inspired Tapes on Surfaces with Variable Roughness
Journal of Adhesion
2013 | journal-article
DOI: 10.1080/00218464.2013.767198
WOSUID: WOS:000321321600002
Source: Isabel Rodriguez *via* ResearcherID

Numerical study of dc-biased ac-electrokinetic flow over symmetrical electrodes
Biomicrofluidics
2012 | journal-article
DOI: 10.1063/1.3668262
WOSUID: WOS:000302301000019
Source: Isabel Rodriguez *via* ResearcherID

DC-biased AC-electrokinetics: a conductivity gradient driven fluid flow
Lab on a Chip
2011 | journal-article
DOI: 10.1039/c1lc20495e
WOSUID: WOS:000297353800015
Source: Isabel Rodriguez *via* ResearcherID

Fabrication and Analysis of Gecko-Inspired Hierarchical Polymer Nanosetae
Acs Nano
2011 | journal-article
DOI: 10.1021/nn103191q
WOSUID: WOS:000288570600041
Source: Isabel Rodriguez *via* ResearcherID

Micropatterns of Cell Adhesive Proteins With Poly(ethylene oxide)-block-Poly(4-vinylpyridine) Diblock Copolymer
Biotechnology and Bioengineering
2011 | journal-article
DOI: 10.1002/bit.22997
WOSUID: WOS:000288034700025
Source: Isabel Rodriguez *via* ResearcherID

Capacitively coupled contactless conductivity detection with dual top-bottom cell configuration for microchip electrophoresis
Electrophoresis
2010 | journal-article
DOI: 10.1002/elps.200900578
WOSUID: WOS:000276807300011
Source: Isabel Rodriguez *via* ResearcherID

Conformational behavior of fibrinogen on topographically modified polymer surfaces
Physical Chemistry Chemical Physics
2010 | journal-article
DOI: 10.1039/c001747g
WOSUID: WOS:000281352300021
Source: Isabel Rodriguez *via* ResearcherID

Direct Detection of Heroin Metabolites Using a Competitive Immunoassay Based on a Carbon-Nanotube Liquid-Gated Field-Effect Transistor
Small
2010 | journal-article
DOI: 10.1002/smll.200902139
WOSUID: WOS:000278437500003
Source: Isabel Rodriguez *via* ResearcherID

Femtomolar detection of 2,4-dichlorophenoxyacetic acid herbicides via competitive immunoassays using microfluidic based carbon nanotube liquid gated transistor
Lab on a Chip
2010 | journal-article
DOI: 10.1039/b918566f
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Source: Isabel Rodriguez *via* ResearcherID

Investigation of sensing mechanism and signal amplification in carbon nanotube based microfluidic liquid-gated transistors via pulsating gate bias
Lab on a Chip
2010 | journal-article
DOI: 10.1039/b926631c
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Source: Isabel Rodriguez *via* ResearcherID

LIQUID GATED CARBON NANOTUBES FIELD EFFECT TRANSISTORS (LG-CNTFET) PLATFORM FOR HERBICIDE SENSING
Imece2009: Proceedings of the Asme International Mechanical Engineering Congress and Exposition, Vol 2
2010 | journal-article
WOSUID: WOS:000282340500039
Source: Isabel Rodriguez *via* ResearcherID

Nanotubes-/nanowires-based, microfluidic-integrated transistors for detecting biomolecules
Microfluidics and Nanofluidics
2010 | journal-article
DOI: 10.1007/s10404-010-0640-1
WOSUID: WOS:000284335800016
Source: Isabel Rodriguez *via* ResearcherID

The effect of topography of polymer surfaces on platelet adhesion
Biomaterials
2010 | journal-article
DOI: 10.1016/j.biomaterials.2009.11.022
WOSUID: WOS:000274354400007
Source: Isabel Rodriguez *via* ResearcherID

A novel nanostructured poly(lactic-co-glycolic-acid)-multi-walled carbon nanotube composite for blood-contacting applications: Thrombogenicity studies
Acta Biomaterialia
2009 | journal-article
DOI: 10.1016/j.actbio.2009.06.003
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DC-biased AC-electrokinetic Mixing: A Mechanistic Investigation
Nems/mems Technology and Devices
2009 | journal-article
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DC-biased AC-electroosmotic and AC-electrothermal flow mixing in microchannels
Lab on a Chip
2009 | journal-article
DOI: 10.1039/b813639d
WOSUID: WOS:000263847000008
Source: Isabel Rodriguez *via* ResearcherID

Experimental verification of Faradaic charging in ac electrokinetics
Biomicrofluidics
2009 | journal-article
DOI: 10.1063/1.3120273
WOSUID: WOS:000267600300007
Source: Isabel Rodriguez *via* ResearcherID

Fabrication of Adhesive Protein Micropatterns In Application of Studying Cell Surface Interactions
13th International Conference on Biomedical Engineering, Vols 1-3
2009 | journal-article
WOSUID: WOS:000268245600493
Source: Isabel Rodriguez *via* ResearcherID

Laminated, microfluidic-integrated carbon nanotube based biosensors
Applied Physics Letters
2009 | journal-article
DOI: 10.1063/1.3065480
WOSUID: WOS:000262357800074
Source: Isabel Rodriguez *via* ResearcherID

Mimicking Domino-Like Photonic Nanostructures on Butterfly Wings
Small
2009 | journal-article
DOI: 10.1002/smll.200801282
WOSUID: WOS:000264791500007
Source: Isabel Rodriguez *via* ResearcherID

Platelet Response on Poly(D,L-lactide-co-glycolide) (PLGA) Film with Nanostructured Fillers
Advances in Material Design For Regenerative Medicine, Drug Delivery and Targeting/imaging
2009 | journal-article
WOSUID: WOS:000273377400026
Source: Isabel Rodriguez *via* ResearcherID

Protein/carbon nanotubes interaction: The effect of carboxylic groups on conformational and conductance changes
Applied Physics Letters
2009 | journal-article
DOI: 10.1063/1.3211328
WOSUID: WOS:000269288300080
Source: Isabel Rodriguez *via* ResearcherID

Restrictive dual capacitively coupled contactless conductivity detection for microchip electrophoresis
Proceedings of the Eurosensors Xxiii Conference
2009 | journal-article
DOI: 10.1016/j.proche.2009.07.337
WOSUID: WOS:000275995600121
Source: Isabel Rodriguez *via* ResearcherID

Cell motion model for moving dielectrophoresis
Analytical Chemistry
2008 | journal-article
DOI: 10.1021/ac800947e
WOSUID: WOS:000257598100024
Source: Isabel Rodriguez *via* ResearcherID

Controlled fabrication of multitiered three-dimensional nanostructures in porous alumina
Advanced Functional Materials
2008 | journal-article
DOI: 10.1002/adfm.200800061
WOSUID: WOS:000258166900007
Source: Isabel Rodriguez *via* ResearcherID

Modeling of dielectrophoretic force for moving dielectrophoresis electrodes
Journal of Electrostatics
2008 | journal-article
DOI: 10.1016/j.elstat.2008.05.001
WOSUID: WOS:000259884100009
Source: Isabel Rodriguez *via* ResearcherID

Organ trafficking and transplant tourism and commercialism: the Declaration of Istanbul
Lancet
2008 | journal-article
WOSUID: WOS:000257339900005
Source: Isabel Rodriguez *via* ResearcherID

Platelet adhesion studies on nanostructured poly(lactic-co-glycolic-acid)-carbon nanotube composite
Journal of Biomedical Materials Research Part a
2008 | journal-article
DOI: 10.1002/jbm.a.31605
WOSUID: WOS:000257450200011
Source: Isabel Rodriguez *via* ResearcherID

Thermally activated solvent bonding of polymers
Microsystem Technologies-Micro-and Nanosystems-Information Storage and Processing Systems
2008 | journal-article
DOI: 10.1007/s00542-007-0459-1
WOSUID: WOS:000256026600007
Source: Isabel Rodriguez *via* ResearcherID

Dynamic cell Fractionation and transportation using moving dielectrophoresis
Analytical Chemistry
2007 | journal-article
DOI: 10.1021/ac070810u
WOSUID: WOS:000249527700011
Source: Isabel Rodriguez *via* ResearcherID

Fabrication of lab-on chip platforms by hot embossing and photo patterning.
Biotechnology journal
2007 | journal-article
DOI: 10.1002/biot.200700107
WOSUID: MEDLINE:17886237
Source: Isabel Rodriguez *via* ResearcherID

Fabrication of PMMA micro- and nanofluidic channels by proton beam writing: electrokinetic and morphological characterization
Journal of Micromechanics and Microengineering
2006 | journal-article
DOI: 10.1088/0960-1317/16/7/009
WOSUID: WOS:000238279700009
Source: Isabel Rodriguez *via* ResearcherID

Fluidic lenses with variable focal length
Applied Physics Letters
2006 | journal-article
DOI: 10.1063/1.2168245
WOSUID: WOS:000234968600020
Source: Isabel Rodriguez *via* ResearcherID

Isolated, sealed nanofluidic channels formed by combinatorial-mould nanoimprint lithography
Nanotechnology
2006 | journal-article
DOI: 10.1088/0957-4484/17/8/030
WOSUID: WOS:000237813000031
Source: Isabel Rodriguez *via* ResearcherID

Experimental study and numerical estimation of current changes in electroosmotically pumped microfluidic devices
Electrophoresis
2005 | journal-article
DOI: 10.1002/elps.200410155
WOSUID: WOS:000228170600011
Source: Isabel Rodriguez *via* ResearcherID

Practical integration of polymerase chain reaction amplification and electrophoretic analysis in microfluidic devices for genetic analysis
Electrophoresis
2003 | journal-article
DOI: 10.1002/elps.200390010
WOSUID: WOS:000180637300023
Source: Isabel Rodriguez *via* ResearcherID

High-speed chiral separations on microchip electrophoresis devices
Electrophoresis
2000 | journal-article
DOI: 10.1002/(SICI)1522-2683(20000101)21:1<211::AID-ELPS211>3.0.CO;2-D
WOSUID: WOS:000085065800025
Source: Isabel Rodriguez *via* ResearcherID

Enantiomeric separation of amino acids derivatized with fluoresceine isothiocyanate isomer I by micellar electrokinetic chromatography using beta- and gamma-cyclodextrins as chiral selectors
Electrophoresis
1999 | journal-article
DOI: 10.1002/(SICI)1522-2683(19990601)20:7<1538::AID-ELPS1538>3.3.CO;2-T
WOSUID: WOS:000081112900028
Source: Isabel Rodriguez *via* ResearcherID

Ion-pair solid-phase extraction of biogenic amines before micellar electrokinetic chromatography with laser-induced fluorescence detection of their fluorescein thiocarbamyl derivatives
Electrophoresis
1999 | journal-article
DOI: 10.1002/(SICI)1522-2683(19990701)20:9<1862::AID-ELPS1862>3.0.CO;2-8
WOSUID: WOS:000081688800010
Source: Isabel Rodriguez *via* ResearcherID

Microchannel electrophoretic separation of biogenic amines by micellar electrokinetic chromatography
Electrophoresis
1999 | journal-article
DOI: 10.1002/(SICI)1522-2683(19990101)20:1<118::AID-ELPS118>3.3.CO;2-U
WOSUID: WOS:000078530600018
Source: Isabel Rodriguez *via* ResearcherID

Surface deactivation in protein and peptide analysis by capillary electrophoresis
Analytica Chimica Acta
1999 | journal-article
DOI: 10.1016/S0003-2670(98)00485-1
WOSUID: WOS:000079014600001
Source: Isabel Rodriguez *via* ResearcherID

Capillary electrophoresis separation of p-sulfonated calix[n]arenes, n=4, 6, 8
Talanta
1998 | journal-article
DOI: 10.1016/S0039-9140(97)00292-0
WOSUID: WOS:000072165000010
Source: Isabel Rodriguez *via* ResearcherID

Comparison of supercritical fluid chromatographic and high-performance liquid chromatographic separations of p-tert-butylcalix[n]arenes
Journal of Chromatographic Science
1997 | journal-article
WOSUID: WOS:A1997WX64300007
Source: Isabel Rodriguez *via* ResearcherID

Conventional capillary electrophoresis in comparison with short-capillary capillary electrophoresis and microfabricated glass chip capillary electrophoresis for the analysis of fluorescein isothiocyanate anti-human immunoglobulin G
Journal of Chromatography a
1997 | journal-article
DOI: 10.1016/S0021-9673(97)00667-5
WOSUID: WOS:A1997YC19800032
Source: Isabel Rodriguez *via* ResearcherID

Liquid chromatographic separation of calixarenes
Journal of Liquid Chromatography & Related Technologies
1997 | journal-article
DOI: 10.1080/10826079708010969
WOSUID: WOS:A1997WT51700005
Source: Isabel Rodriguez *via* ResearcherID

Separation of biogenic amines by micellar electrokinetic chromatography
Journal of Chromatography a
1996 | journal-article
DOI: 10.1016/0021-9673(96)00422-0
WOSUID: WOS:A1996VL46200031
Source: Isabel Rodriguez *via* ResearcherID

Peer review (11)

- review activity for **ACS applied bio materials. (1)**
- review activity for **ACS applied materials & interfaces. (3)**
- review activity for **ACS biomaterials science & engineering. (2)**
- review activity for **ACS nano. (3)**
- review activity for **Advanced biosystems (1)**
- review activity for **Colloids and surfaces. (1)**
- review activity for **Drug delivery and translational research. (1)**
- review activity for **Langmuir : (1)**
- review activity for **Nano letters. (1)**
- review activity for **Nature nanotechnology (1)**
- review activity for **Small. (1)**

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