

Óptica

Áreas de conocimiento: Óptica

Director: Rafael Huertas Roa

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Profesorado: CU: 11, PTU: 15, PDI Contratado y Otros: 12 (4 PAD, 2 PColab, 3 PCD, 1 PAL, 2 PSI)

Tesis leídas

- Reflectance and colorimetric modelling of multilayer bodies of translucent dental materials.

Doctorando: María de la Natividad Tejada Casado

Directores: Luis Javier Herrera Maldonado y Razvan Ionut Ghinea

Fecha de lectura: 20/01/2023

Lugar: Universidad de Granada

- Descriptores estadísticos aplicados al análisis de escenas naturales bajo diferentes condiciones de iluminación.

Doctorando: Juan Ojeda García

Directores: Juan Luis Nieves Gómez y Javier Romero Mora

Fecha de lectura: 27/01/2023

Lugar: Universidad de Granada

Grupos de Investigación.

FQM151 GRUPO DE OPTICA DE GRANADA

- Responsable: LUIS MIGUEL JIMÉNEZ-DEL-BARCO JALDO

Dirección y participación en Proyectos I+D

- 2022 IDENTIFICACION AUTOMATICA DE MATERIALES EN DOCUMENTOS GRAFICOS DE INTERES HISTORICOARTISTICO MEDIANTE IMAGEN HIPERESPECTRAL, Programa Estatal para Impulsar la Investigación Científico-Técnica y su Transferencia, del Plan Estatal de Investigación Científica, . Plan Estatal de Investigación Científica y Técnica y de Innovación 2021-2023. Programa Estatal para Impulsar la Investi, 01/09/2022-31/08/2025

Investigador/a FRANCISCO JAVIER ROMERO MORA

Investigador/a JAVIER HERNÁNDEZ ANDRÉS

Investigador/a JUAN LUIS NIEVES GÓMEZ

Investigador EVA MARÍA VALERO BENITO

Contratos de investigación

- 2022 Análisis de colorimetría sobre materiales para determinar degradación de color y reajustar valores RGB, ART. 68-83, 03/10/2022-03/10/2024

Participante EVA MARÍA VALERO BENITO

Participante JAVIER HERNÁNDEZ ANDRÉS

Participante FRANCISCO JAVIER ROMERO MORA

Investigador/a JUAN LUIS NIEVES GÓMEZ

Publicaciones en revistas

- 2023 Artículo: Proposal of a New Fidelity Measure Between Computed Image Quality and Observers Quality Scores Accounting for Scores Variability, Journal of Visual Communication and Image Representation, 90, 2023, 103704-

RAFAEL HUERTAS ROA

- 2023 Artículo: Influence of Interocular Differences and Alcohol Consumption on Binocular Visual Performance, International Journal of Environmental Research and Public Health, 20, 3, 1751-1-1752-20

JOSÉ JUAN CASTRO TORRES

JOSÉ RAMÓN JIMÉNEZ CUESTA

MIRIAM CASARES LOPEZ

SONIA ORTIZ PEREGRINA

- 2023 Artículo: Efficient quantization of painting images by relevant colors, Scientific Reports, 13, 3034, 1-10

FRANCISCO JAVIER ROMERO MORA

JUAN LUIS NIEVES GÓMEZ

- 2023 Artículo: Understanding the effect of correlated colour temperatures on spatio-chromatic properties of natural images, Vision Research: an international journal for functional aspects of vision, 208, , -

FRANCISCO JAVIER ROMERO MORA

JUAN LUIS NIEVES GÓMEZ

JUAN OJEDA GARCÍA

- 2023 Artículo: Multicenter study on visual color difference thresholds. A secondary analysis of light, medium, and dark tooth-colored specimens, *American Journal of Dentistry*, 36, 2, 86-90
RAZVAN IONUT GHINEA
- 2023 Artículo: Development of Thickness-Dependent Predictive Methods for the Estimation of the CIEL*a*b* Color Coordinates of Monolithic and Layered Dental Resin Composites, *Materials*, 16, 2, 761-761
MARÍA DEL MAR PÉREZ GÓMEZ
RAZVAN IONUT GHINEA
- 2023 Artículo: Effect of thickness on color and translucency of a multi-color polymer-infiltrated ceramic-network material, *Journal of Esthetic and Restorative Dentistry*, 35, 2, 381-389
JUAN DE LA CRUZ CARDONA PÉREZ
MARÍA DEL MAR PÉREZ GÓMEZ
- 2023 Artículo: Effect of White Light-Emitting Diode Illuminants Recommended by the CIE on Colors of Dental Ceramic Materials, *Applied Sciences*, , 1518, 1-14
MANUEL MELGOSA LATORRE
MARÍA DEL MAR PÉREZ GÓMEZ
RAZVAN IONUT GHINEA
- 2022 Artículo: Short-term effects of caffeine intake on binocular accommodative facility: a quantitative and qualitative analysis, *Clinical & Experimental Optometry*, 105, 5, 534-538
JESÚS VERA VILCHEZ
RAIMUNDO JIMÉNEZ RODRÍGUEZ
- 2022 Artículo: Effects of water drinking on corneal biomechanics: The association with intraocular pressure changes, *Indian Journal of Ophthalmology*, 70, , 1222-1228
JESÚS VERA VILCHEZ
RAIMUNDO JIMÉNEZ RODRÍGUEZ
- 2022 Artículo: The short-term effects of wearing swimming goggles on corneal biomechanics, *International Ophthalmology*, , , -
JESÚS VERA VILCHEZ
RAIMUNDO JIMÉNEZ RODRÍGUEZ
- 2022 Artículo: Effect of wearing different types of face masks during dynamic and isometric resistance training on intraocular pressure, *Clinical & Experimental Optometry*, , , -
JESÚS VERA VILCHEZ
RAIMUNDO JIMÉNEZ RODRÍGUEZ
- 2022 Artículo: Impact of dual-focus soft contact lenses on nearwork-induced transient myopia, *Clinical & Experimental Optometry*, , , -
JESÚS VERA VILCHEZ
RAIMUNDO JIMÉNEZ RODRÍGUEZ
- 2022 Artículo: Blue-blocking filters do not alleviate signs and symptoms of digital eye strain, *Clinical & Experimental Optometry*, , , -
JESÚS VERA VILCHEZ
RAIMUNDO JIMÉNEZ RODRÍGUEZ
- 2022 Artículo: Changes in accommodation and behavioral performance with a contact lens for myopia control: A comparison between a dual-focus and a single vision soft contact lens, *Ophthalmic & Physiological Optics*, , , -
JESÚS VERA VILCHEZ
RAIMUNDO JIMÉNEZ RODRÍGUEZ
- 2022 Artículo: Immediate and cumulative effects of upper-body isometric exercise on the cornea and anterior segment of the human eye, *PeerJ - the Journal of Life & Environmental Sciences*, , , -
JESÚS VERA VILCHEZ
RAIMUNDO JIMÉNEZ RODRÍGUEZ
- 2022 Artículo: Design of a Surface Plasmon Resonance CO Sensor, *Sensors*, 22, , -
ANTONIO MANUEL POZO MOLINA
FRANCISCO PÉREZ OCÓN
- 2022 Artículo: Reflectance and color prediction of dental material monolithic samples with varying thickness, *Dental Materials*, 38, , 622-631
MARÍA DEL MAR PÉREZ GÓMEZ
RAZVAN IONUT GHINEA
- 2022 Artículo: Long-term effects of blue-blocking spectacle lenses on color perception, *Optics Express*, 30, 11, 19757-19770
EVA MARÍA VALERO BENITO
JAVIER HERNÁNDEZ ANDRÉS
LUIS GÓMEZ ROBLEDO

RAFAEL HUERTAS ROA

- 2022 Artículo: Color vision deficiencies and camouflage. A comparative study between normal and CVD observers, *Optics Express*, 30, 8, 13699-13713

EVA MARÍA VALERO BENITO

JAVIER HERNÁNDEZ ANDRÉS

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RAFAEL HUERTAS ROA

- 2022 Artículo: Effect of interocular differences on binocular visual performance after inducing forward scattering, *Ophthalmic & Physiological Optics*, 42, 4, 730-743

CAROLINA ORTIZ HERRERA

JOSÉ JUAN CASTRO TORRES

JOSÉ RAMÓN JIMÉNEZ CUESTA

MIRIAM CASARES LOPEZ

SONIA ORTIZ PEREGRINA

- 2022 Artículo: Speed management across road environments of varying complexities and self-regulation behaviors in drivers with cataract, *Scientific Reports*, 12, , 6951-1-6951-12

CAROLINA ORTIZ HERRERA

JOSÉ JUAN CASTRO TORRES

MARÍA ROSARIO GONZÁLEZ ANERA

MIRIAM CASARES LOPEZ

SONIA ORTIZ PEREGRINA

- 2022 Artículo: Comparison of the effects of alcohol and cannabis on visual function and driving performance. Does the visual impairment affect driving?, *Drug and Alcohol Dependence*, 237, , -

CAROLINA ORTIZ HERRERA

JOSÉ JUAN CASTRO TORRES

JOSÉ RAMÓN JIMÉNEZ CUESTA

MIRIAM CASARES LOPEZ

SONIA ORTIZ PEREGRINA

- 2022 Editorial: Special Issue on Optical Sensors and Gauges Based on Plasmonic Resonance, *Applied Sciences*, 12, 7564, -

FRANCISCO PÉREZ OCÓN

- 2022 Artículo: Color of extra virgin olive oils enriched with carotenoids from microalgae: influence of ultraviolet exposure and heating, *Grasas y Aceites*, 73, 2, e455-

MANUEL MELGOSA LATORRE

- 2022 Artículo: Relationship between dynamic visual acuity and multiple object tracking performance, *Perception*, 51, 8, 539-548

JESÚS VERA VILCHEZ

RAIMUNDO JIMÉNEZ RODRÍGUEZ

- 2022 Artículo: Acute intraocular pressure responses to resistance training in combination with blood flow restriction, *Research Quarterly for Exercise and Sport*, , , -

JESÚS VERA VILCHEZ

RAIMUNDO JIMÉNEZ RODRÍGUEZ

- 2022 Artículo: The intraocular pressure lowering-effect of low-intensity aerobic exercise is greater in fitter individuals: a cluster analysis, *Research in Sports Medicine*, , , -

JESÚS VERA VILCHEZ

RAIMUNDO JIMÉNEZ RODRÍGUEZ

- 2022 Artículo: Intraocular pressure responses to a virtual reality shooting simulation in active-duty members of the Spanish Army: The influence of task complexity, *Physiology & Behavior*, 256, 113957, -

JESÚS VERA VILCHEZ

RAIMUNDO JIMÉNEZ RODRÍGUEZ

- 2022 Artículo: Association of military-specific reaction time performance with physical fitness and visual skills, *PeerJ - the Journal of Life & Environmental Sciences*, , , -

JESÚS VERA VILCHEZ

RAIMUNDO JIMÉNEZ RODRÍGUEZ

- 2022 Artículo: Manipulating expectancies in optometry practice: Ocular accommodation and stereoacuity are sensitive to placebo and nocebo effects, *Ophthalmic & Physiological Optics*, , , -

JESÚS VERA VILCHEZ

RAIMUNDO JIMÉNEZ RODRÍGUEZ

- 2022 Artículo: Assessing the influence of cannabis and alcohol use on different visual functions: A comparative study, *Experimental Eye Research*, 224, , 109231-

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JOSÉ JUAN CASTRO TORRES

JOSÉ RAMÓN JIMÉNEZ CUESTA

MIRIAM CASARES LOPEZ

SONIA ORTIZ PEREGRINA

- 2022 Artículo: CVD-MET: an Image Difference Metric Designed for Analysis of Color Vision Deficiency Aids, Optics Express, 30, 19, 34665-34683

EVA MARÍA VALERO BENITO

JAVIER HERNÁNDEZ ANDRÉS

LUIS GÓMEZ ROBLEDO

RAFAEL HUERTAS ROA

- 2022 Artículo: Validation of a novel reaction time test specific for military personnel, Motor Control, , , 1-13

JESÚS VERA VILCHEZ

RAIMUNDO JIMÉNEZ RODRÍGUEZ

- 2022 Artículo: Effect of peripheral refractive errors on driving performance, Biomedical Optics Express, 13, 10, 5533-5550

JOSÉ JUAN CASTRO TORRES

MARÍA ROSARIO GONZÁLEZ ANERA

MIRIAM CASARES LOPEZ

SONIA ORTIZ PEREGRINA

- 2022 Artículo: Optics and stereopsis, Asian Journal of Physics, 31, 7, 731-737

JOSÉ RAMÓN JIMÉNEZ CUESTA

LUIS MIGUEL JIMÉNEZ-DEL-BARCO JALDO

MARÍA ROSARIO GONZÁLEZ ANERA

- 2022 Artículo: Pupil size effect on binocular summation for visual acuity and light disturbance, International Ophthalmology, 2022, , 1-13

JOSÉ JUAN CASTRO TORRES

- 2022 Artículo: Validation of hyperspectral imaging system for color measurement of in-vivo dental structures, Micromachines, 13, 11, 1929-

JUAN DE LA CRUZ CARDONA PÉREZ

MARÍA DEL MAR PÉREZ GÓMEZ

RAZVAN IONUT GHINEA

- 2022 Artículo: CIEDE2000 lightness, chroma and hue human gingiva thresholds, Journal of Dentistry, 124, , 104213-104213

MARÍA DEL MAR PÉREZ GÓMEZ

- 2022 Artículo: Does Backgrounds Color Influence the Appearance of Gingiva-Colored Resin-Based Composites?, Materials, 15, 10, 3712-

MARÍA DEL MAR PÉREZ GÓMEZ

- 2022 Artículo: Visual and instrumental coverage error of two dental shade guides: an in vivo study, Clinical Oral Investigations, 26, 9, 5961-5968

MARÍA DEL MAR PÉREZ GÓMEZ

RAZVAN IONUT GHINEA

- 2022 Artículo: Relevant optical properties for gingiva-colored resin-based composites, Journal of Dentistry, 126, , 104316-

MARÍA DEL MAR PÉREZ GÓMEZ

- 2022 Review: Aids for color vision deficiency: introduction to the feature issue, Optics Express, 39, 26, 46560-46563

EVA MARÍA VALERO BENITO

- 2022 Artículo: Effectiveness and color stability of bleaching techniques on blood-stained teeth: An in vitro study, Journal of Esthetic and Restorative Dentistry, 34, 2, 342-350

MARÍA DEL MAR PÉREZ GÓMEZ

- 2022 Artículo: Optical Behavior of Human Skin Substitutes: Absorbance in the 200-400 nm UV Range, Biomedicine, , 1640, 1-13

ANA-MARIA-ANDREEA IONESCU

JUAN DE LA CRUZ CARDONA PÉREZ

MARÍA DEL MAR PÉREZ GÓMEZ

- 2022 Artículo: Masking ability of resin composites: Effect of the layering strategy and substrate color, Journal of Esthetic and Restorative Dentistry, 34, 8, 1206-1212

MARÍA DEL MAR PÉREZ GÓMEZ

Contribuciones en congresos

- 2022 Comunicación en congreso: Effects of cannabis on vision: relationship between objective measures and perceived visual quality, V Congreso Internacional de Intervención e Investigación en Salud., 22/02/2022, Murcia, España., Congreso

CAROLINA ORTIZ HERRERA

MIRIAM CASARES LOPEZ

JOSÉ JUAN CASTRO TORRES

MARÍA ROSARIO GONZÁLEZ ANERA

SONIA ORTIZ PEREGRINA

- 2022 Comunicación en congreso: The influence of visual function on driving performance under the influence of alcohol, V Congreso Internacional de Intervención e Investigación en Salud., 22/02/2022, Murcia, España., Congreso

JOSÉ JUAN CASTRO TORRES

MIRIAM CASARES LOPEZ

SONIA ORTIZ PEREGRINA

CAROLINA ORTIZ HERRERA

JOSÉ RAMÓN JIMÉNEZ CUESTA

- 2022 Conferencias impartidas en Jornada: Color perception, chromatic diversity and relevant colors in paintings, AUT Winter School of Applied Color Science, 03/03/2022, TEHERAN (IRAN), Jornada

JUAN LUIS NIEVES GÓMEZ

- 2022 Comunicación en congreso: Actividad del músculo orbicularis oculi durante una tarea de lectura en ordenador con un filtro bloqueador de luz azul, 27 Congreso de Optometría, Contactología y Óptica Oftálmica, 01/04/2022, Madrid, Congreso

RAIMUNDO JIMÉNEZ RODRÍGUEZ

JESÚS VERA VILCHEZ

- 2022 Comunicación en congreso: Acomodación y rendimiento conductual durante una tarea de vigilancia con lentes de contacto blandas de doble foco para el control de la miopía, 27 Congreso de Optometría, Contactología y Óptica Oftálmica, 01/04/2022, Madrid, Congreso

RAIMUNDO JIMÉNEZ RODRÍGUEZ

JESÚS VERA VILCHEZ

- 2022 Sesión plenaria en Congreso: Fake news - La evidencia científica en la práctica clínica, 27 Congreso de Optometría, Contactología y Óptica Oftálmica, 01/04/2022, Madrid, Congreso

RAIMUNDO JIMÉNEZ RODRÍGUEZ

- 2022 Comunicación en congreso: Numero de colores relevantes que describen el contenido cromático de las escenas naturales, XIII Congreso Nacional del Color, 29/06/2022, Terrassa (Barcelona), Congreso

JUAN OJEDA GARCÍA

FRANCISCO JAVIER ROMERO MORA

JUAN LUIS NIEVES GÓMEZ

- 2022 Comunicación en congreso: Effects of smoking cannabis on visual performance, XXXVIII Reunión Bienal de la Real Sociedad Española de Física, 11/07/2022, Murcia, Congreso

SONIA ORTIZ PEREGRINA

CAROLINA ORTIZ HERRERA

MIRIAM CASARES LOPEZ

JOSÉ RAMÓN JIMÉNEZ CUESTA

MARÍA ROSARIO GONZÁLEZ ANERA

- 2022 Ponencia en Congreso: Test de visión digitales en dispositivos móviles en el diagnóstico ocular, Alicante Refractiva Internacional. XX edición, 27/10/2022, Alicante, Congreso

RAIMUNDO JIMÉNEZ RODRÍGUEZ

- 2022 Poster en Congreso: Comparison of the influence of alcohol and cannabis on visual quality and driving performance, 10th Visual and Physiological Optics Meeting, 29/12/2022, Cambridge, UK, Congreso

MARÍA ROSARIO GONZÁLEZ ANERA

SONIA ORTIZ PEREGRINA

MIRIAM CASARES LOPEZ

CAROLINA ORTIZ HERRERA

LUIS MIGUEL JIMÉNEZ-DEL-BARCO JALDO

- 2022 Sesión no plenaria en Congreso: ASSESSING THE INFLUENCE OF ANXIETY ON VISUAL FUNCTION AND SYMPTOMATOLOGY IN UNIVERSITY STUDENTS, VIII Congreso Internacional en Contextos Clínicos y de la Salud, 07/09/2022, Murcia, España, Congreso

SONIA ORTIZ PEREGRINA

- 2022 Comunicación en congreso: Influence Of Peripheral Refractive Error on Driving Performance, 40th Congress of the European Society of Cataract and Refractive Surgeons, 16/09/2022, Milan, Italy, Congreso

SONIA ORTIZ PEREGRINA

MIRIAM CASARES LOPEZ

MARÍA ROSARIO GONZÁLEZ ANERA

- 2022 Ponencia en Jornada: Effect of peripheral refractive error on driving while performing secondary tasks,- 2022 Young researchers biophotonics winter meeting, 14/12/2022, Online, Jornada
SONIA ORTIZ PEREGRINA
- 2022 Sesión no plenaria en Congreso: Visual system and visuomotor skills: review and proposal, VI Conferencia Internacional Online de Jóvenes Optometristas, 14/11/2022, Online, Congreso
JOSÉ JUAN CASTRO TORRES
MIRIAM CASARES LOPEZ
- 2022 Comunicación en congreso: Performance analysis of transfer learning based deep neural networks in Alzheimer classification, International Conference on Application of Information and Communication Technologies, 10/10/2022, Washington DC, Estados Unidos, EE.UU, Congreso
JUAN LUIS NIEVES GÓMEZ
- 2022 Poster en Congreso: HYPERSPECTRAL COLORIMETRY OF IN-VIVO DENTAL STRUCTURES, V INTERNATIONAL CONFERENCE ON APPLICATION OF OPTICS AND PHOTONICS (AOP 2022), 18/07/2022, GUIMARÃES, PORTUGAL, Congreso
JUAN DE LA CRUZ CARDONA PÉREZ
ANA-MARIA-ANDREEA IONESCU
RAZVAN IONUT GHINEA
- 2022 Poster en Congreso: ABSORPTION AND SCATTERING COEFFICIENTS IN THE 240-780NM RANGE OF DAILY DISPOSABLE CONTACT LENSES, V INTERNATIONAL CONFERENCE ON APPLICATION OF OPTICS AND PHOTONICS (AOP 2022), 18/07/2022, GUIMARÃES, PORTUGAL, Congreso
ANA-MARIA-ANDREEA IONESCU
JUAN DE LA CRUZ CARDONA PÉREZ
RAZVAN IONUT GHINEA
- 2022 Comunicación en congreso: COLOR PREDICTION OF MONOLITHIC AND LAYERED DENTAL RESIN COMPOSITES OF VARYING THICKNESSES, V INTERNATIONAL CONFERENCE ON APPLICATION OF OPTICS AND PHOTONICS (AOP 2022), 18/07/2022, GUIMARÃES, PORTUGAL, Congreso
RAZVAN IONUT GHINEA
MARÍA DEL MAR PÉREZ GÓMEZ
- 2022 Comunicación en congreso: EFFECT OF THICKNESS AND PRINTING ANGLE ON COLOR OF 3D PRINTING DENTAL RESTORATIVE POLYMER-BASED MATERIALS, V INTERNATIONAL CONFERENCE ON APPLICATION OF OPTICS AND PHOTONICS (AOP 2022), 18/07/2022, GUIMARÃES, PORTUGAL, Congreso
MARÍA DEL MAR PÉREZ GÓMEZ
- 2022 Poster en Congreso: CAPACIDADE DE MASCARAMENTO DE RESINAS COMPOSTAS: EFEITO DA ESTRATÉGIA DE ESTRATIFICAÇÃO, COR DO SUBSTRATO E ENVELHECIMENTO PROLONGADO EM ÁGUA, 58º ENCONTRO DO GRUPO BRASILEIRO DE MATERIAIS DENTÁRIOS, 27/07/2022, VITÓRIA, BRASIL, Congreso
MARÍA DEL MAR PÉREZ GÓMEZ
- 2022 Poster en Congreso: COMPARAÇÃO DE DOIS PARÂMETROS PARA AVALIAR A OPALESCÊNCIA DE RESINAS COMPOSTAS ESTÉTICAS FABRICADAS PARA SUBSTITUIR O TERÇO INCISAL DE DENTES ANTERIORES, 58º ENCONTRO DO GRUPO BRASILEIRO DE MATERIAIS DENTÁRIOS, 27/07/2022, VITÓRIA, BRASIL, Congreso
MARÍA DEL MAR PÉREZ GÓMEZ
- 2022 Poster en Congreso: COLOR VARIATIONS AMONG DIFFERENT SHADES, THICKNESS AND PRINTING ANGLE OF 3D PRINTING DENTAL RESTORATIVE POLYMER BASED MATERIALS, XXI CONGRESO DE LA SOCIEDAD ESPAÑOLA DE HISTOLOGÍA E INGENIERÍA TISULAR, IX INTERNATIONAL CONGRESS OF HISTOLOGY AND TISSUE ENGINEERING y VIII CONGRESO IBEROAMERICANO DE HISTOLOGÍA, 06/09/2022, Granada, Congreso
JUAN DE LA CRUZ CARDONA PÉREZ
ANA-MARIA-ANDREEA IONESCU
MARÍA DEL MAR PÉREZ GÓMEZ
- 2022 Comunicación en congreso: AVALIAÇÃO DE OPALESCÊNCIA DOS DIFERENTES SISTEMAS ESTÉTICOS DE RESINAS COMPOSTAS, XVI Mostra de Iniciação Científica e Extensão Comunitária e XV Mostra de Pesquisa de Pós-Graduação 2022, 12/09/2022, Passo Fundo, Brasil, Congreso
MARÍA DEL MAR PÉREZ GÓMEZ
- 2022 Poster en Congreso: LIGHT SCATTERING OF 3D-PRINTING DENTAL RESTORATIVE POLYMER-BASED MATERIALS: PRELIMINARY RESULTS, III SIMPOSIO DE TERAPIAS AVANZADAS Y TECNOLOGÍAS BIOMÉDICAS, 16/12/2022, INSTITUTO DE INVESTIGACIÓN BIOSANITARIA DE GRANADA (ibs.GRANADA), Congreso
MARÍA DEL MAR PÉREZ GÓMEZ
JUAN DE LA CRUZ CARDONA PÉREZ
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