

RELACIÓN DE DOCUMENTOS APORTADOS

- DNI
- Reconocimiento de la acreditación como PROFESOR TITULAR DE UNIERSIDAD conforme a lo establecido en el artículo 89.1 de la Ley Orgánica de Universidades, modificada por la Ley Orgánica 4/2007, de 27 de abril y la Disposición Adicional Cuarta del Real Decreto 1312/2007, de 5 de octubre (BOE no 240, de 6 de octubre de 2007)
- Nombramiento como funcionario del CSIC

- ACTIVIDAD INVESTIGADORA -

SELECCIÓN PUBLICACIONES CIENTÍFICAS INDEXADAS DE ACUERDO CON UN ÍNDICE DE CALIDAD RELATIVO

1. 2020: Anisotropy and mechanistic elucidation of wet-chemical gallium nitride etching at the atomic level
2. Actuators displaying unidirectional movement
3. Molecular dynamics simulations on self-healing behavior of ionene polymer-based nanostructure hydrogels
4. Advanced functional hydrogel biomaterials based on dynamic B-O bonds and polysaccharide building blocks
5. 2020: Self-assembly of hollow organic nanotubes driven by arene regioisomerism
6. 2020: Biopolymers as sustainable metal bio-adhesives
7. 2020: Biostimulant nanoencapsulation: The new keystone to fight hunger
8. 2020: Optical, morphological and photocatalytic properties of biobased tractable films of chitosan/donor-acceptor polymer blends
9. 2020: Thermoresponsive shape-memory hydrogel actuators made by photo-triggered click chemistry
10. 2020: Effect of reaction media on photosensitized [2+2]-cycloaddition of cinnamates
11. 2020: Novel fluorescent labeled octasilsesquioxanes nanohybrids as potential materials for latent fingerprinting detection
12. 2020: Use of a pH-sensitive polymer in a microextraction and preconcentration method directly combined with high-performance liquid chromatography
13. 2020: Mucin-grafted polyethylene glycol microparticles enable oral insulin delivery for improving diabetic treatment
14. 2020: Insulin-mucoadhesive nanoparticles based on mucin-chitosan complexes for oral delivery and diabetes treatment
15. 2020: Influence of the epitaxial composition on N-face GaN KOH etch kinetics determined by ICP-OES
16. 2020: Recent applications of biphotonic processes to organic synthesis
17. 2020: Sulfonamide as amide isostere for fine-tuning the gelation properties of physical gels
18. 2020: Biopolymers in sorbent-based microextraction methods
19. 2019: Antimicrobial activity of poly(3,4-ethylenedioxythiophene) n-doped with a pyridinium-

- containing polyelectrolyte
20. 2019: Use of a bis-1,2,3-triazole gelator for the preparation of supramolecular metallogels and stabilization of gold nanoparticles
 21. 2019: Alginate hydrogels as scaffolds and delivery systems to repair the damaged spinal cord
 22. 2019: Biopolymer/glycopolypeptide-blended scaffolds: Synthesis, characterization and cellular interactions
 23. 2019: Understanding hydrogelation processes through molecular dynamics
 24. 2019: Cationic niosomes as non-viral vehicles for nucleic acids: Challenges and opportunities in gene delivery
 25. 2019: Dipolar glass polymers containing polarizable groups as dielectric materials for energy storage applications. A minireview
 26. 2019: Niosomes encapsulated in biohydrogels for tunable delivery of phytoalexin resveratrol
 27. 2019: Exploring the effect of the irradiation time on photosensitized dendrimer-based nanoaggregates for potential applications in light-driven water photoreduction
 28. 2019: Expanding the limits of amide-triazole isosteric substitution in bisamide-based physical gels
 29. 2019: Highly selective metallogel from 4-biphenylcarboxy capped diphenylalanine and FeCl₃
 30. 2019: Polymer topology-controlled self-healing properties of polyelectrolyte hydrogels based on DABCO-containing aromatic ionenes
 31. 2019: Recent strategies in resveratrol delivery systems
 32. 2019: The prospect of photochemical reactions in confined gel media
 33. 2019: 5-(1H-1,2,3-Triazol-5-yl)isophthalic acid: A versatile ligand for the synthesis of new supramolecular metallogels
 34. 2019: On the sensitivity of alginate rheology to composition
 35. 2019: Metal- and oxidant-free photoinduced aromatic trifluoromethylation performed in aerated gel media: Determining the effects on yield and selectivity
 36. 2019: Novel 3D copper nanoparticles/chitosan/nanoporous alumina (CCSA) membranes with catalytic activity. Characterization and performance in the reduction of methylene blue
 37. 2018: Photon upconversion in supramolecular gels and synthetic application
 38. 2018: Wet-chemical etching of GaN: Underlying mechanism of a key step in blue and white LED production
 39. 2018: Optical and electronic activities of biobased films of chitosan/POTE containing gold nanoparticles: Experimental and theoretical analyses
 40. 2018: Non-enzyme entrapping biohydrogels in catalysis
 41. 2018: Isomeric cationic ionenes as n-dopant agents of poly(3,4-ethylenedioxythiophene) for in situ gelation
 42. 2018: Cationic ionene as an n-dopant agent of poly(3,4-ethylenedioxythiophene).
 43. 2018: Release of small bioactive molecules from physical gels
 44. 2018: In situ preparation of film and hydrogel bio-nanocomposites of chitosan/fluorescein-copper with catalytic activity
 45. 2018: 3D printed polymeric hydrogels for nerve regeneration
 46. 2018: Urea activation by an external Bronsted acid: Breaking self-association and tuning catalytic performance
 47. 2018: Synthesis, characterization, and self-assembly of a tetrathiafulvalene (TTF)-triglycyl derivative
 48. 2018: Synthesis and supramolecular self-assembly of glutamic acid-based squaramides
 49. 2018: Isosteric substitution of 4H-1,2,4-triazole by 1H-1,2,3-triazole in isophthalic derivative

- enabled hydrogel formation for controlled drug delivery
50. 2018: Cationic polymers bearing quaternary ammonium groups-catalyzed CO₂ fixation with epoxides
 51. 2018: Air-sensitive photoredox catalysis performed under aerobic conditions in gel networks
 52. 2018: Phenylalanine and derivatives as versatile low-molecular-weight gelators: design, structure and tailored function
 53. 2017: Glass-metal adhesive polymers from copper(I)-catalyzed azide-alkyne cycloaddition
 54. 2017: Transfection of antisense oligonucleotides mediated by cationic vesicles based on non-ionic surfactant and polycations bearing quaternary ammonium moieties
 55. 2017: Antimicrobial and hemolytic studies of a series of polycations bearing quaternary ammonium moieties: Structural and topological effects
 56. 2017: Catalytic macroporous biohydrogels made of ferritin-encapsulated gold nanoparticles
 57. 2017: Ultrasonication-enhanced gelation properties of a versatile amphiphilic formamidine-based gelator exhibiting both organogelation and hydrogelation abilities
 58. 2017: An experimental and theoretical comparative study of the entrapment and release of dexamethasone from micellar and vesicular aggregates of PAMAM-PCL dendrimers
 59. 2017: Aromatic ionene topology and counterion-tuned gelation of acidic aqueous solutions
 60. 2017: Interplaying anions in a supramolecular metallohydrogel to form metal organic frameworks
 61. 2017: Boronic acid-modified alginate enables direct formation of injectable, self-healing and multistimuli-responsive hydrogels
 62. 2017: Cationic nioplexes-in-polysaccharide-based hydrogels as versatile biodegradable hybrid materials to deliver nucleic acids
 63. 2017: Paradigm shift for preparing versatile M²⁺-free gels from unmodified sodium alginate
 64. 2017: Targeted drug delivery in covalent organic nanosheets (CONs) via sequential postsynthetic modification
 65. 2017: Protective coatings for aluminum alloy based on hyperbranched 1, 4-polytriazoles
 66. 2016: Non-covalent incorporation of some substituted metal phthalocyanines into different gel networks and the effects on the gel properties
 67. 2016: Gadolinium(III)-based porous luminescent metal-organic frameworks for bimodal imaging
 68. 2016: Keratin protein-catalyzed nitroaldol (Henry) reaction and comparison with other biopolymers
 69. 2016: Fluoride anion recognition by a multifunctional urea derivative: An experimental and theoretical study
 70. 2016: Phase-transfer catalysis with ionene polymers
 71. 2016: Biodegradable liposome-encapsulated hydrogels for biomedical applications: a marriage of convenience
 72. 2016: Current status and challenges of biohydrogels for applications as supercapacitors and secondary batteries
 73. 2016: Metal-organic frameworks (MOFs) bring new life to hydrogen-bonding organocatalysts in confined spaces
 74. 2016: Nioplexes encapsulated in supramolecular hybrid biohydrogels as versatile delivery platforms for nucleic acids
 75. 2016: Regulatory parameters of self-healing alginate hydrogel networks prepared via mussel-inspired dynamic chemistry
 76. 2016: Self-assembled fibrillar networks of a multifaceted chiral squaramide: supramolecular

- multistimuli-responsive alcogels
77. 2016: Supramolecular metallo gels with bulk self-healing properties prepared by in situ metal complexation
 78. 2016: Towards sustainable solid-state supercapacitors: electroactive conducting polymers combined with hydrogels
 79. 2016: Spectroscopic characterization of azo dyes aggregation induced by DABCO-based ionene polymers and dye removal efficiency as a function of ionene structure
 80. 2016: Supramolecular metallo gel that imparts self-healing properties to other gel networks
 81. 2015: Supramolecular phase-selective gelation by peptides bearing side-chain azobenzenes: Effect of ultrasound and potential for dye removal and oil spill remediation
 82. 2015: DNA-catalyzed Henry reaction in pure water and the striking influence of organic buffer systems
 83. 2015: Chiral supramolecular nanoparticles: The study of chiral surface modification of silver nanoparticles by cysteine and its derivatives
 84. 2015: A DAC tartrate-based gelator system featuring markedly improved gelation properties: enhancing lifetime and functionality of gel networks
 85. 2015: Amide-triazole isosteric substitution for tuning self-assembly and incorporating new functions into soft supramolecular materials
 86. 2015: Evaluation of the nitroaldol reaction in the presence of metal ion-crosslinked alginates
 87. 2015: Non-invasive and continuous monitoring of the sol-gel phase transition of supramolecular gels using a fast (open-ended coaxial) microwave sensor
 88. 2015: Photophysical and photochemical processes in 3D self-assembled gels as confined microenvironments
 89. 2015: Transformation of rigid metal-organic frameworks into flexible gel networks and vice versa
 90. 2015: Intragel photoreduction of aryl halides by green-to-blue upconversion under aerobic conditions
 91. 2014: A covalent organic framework-cadmium sulfide hybrid as a prototype photocatalyst for visible-light-driven hydrogen production
 92. 2014: Synergistic computational-experimental approach to improve ionene polymer-based functional hydrogels
 93. 2014: Exploiting molecular self-assembly: From urea-based organocatalysts to multifunctional supramolecular gels
 94. 2014: Improved metal-adhesive polymers from copper(I)-catalyzed azide-alkyne cycloaddition
 95. 2014: Mechanical downsizing of a gadolinium(III)-based metal-organic framework for anticancer drug delivery
 96. 2014: α -Alkyl cysteine-coated gold nanoparticles: effect of C α -tetrasubstitution on colloidal stability
 97. 2014: Gelatin protein-mediated direct aldol reaction
 98. 2014: Amino acid-based multiresponsive low-molecular weight metallohydrogels with load-bearing and rapid self-healing abilities
 99. 2014: Dissolvable metallohydrogels for controlled release: evidence of a kinetic supramolecular gel phase intermediate
 100. 2014: Highly stable covalent organic framework-Au nanoparticles hybrids for enhanced activity for nitrophenol reduction
 101. 2014: Multifunctional and robust covalent organic framework-nanoparticle hybrids

102. 2014: Homogeneous photochemical water oxidation by biuret-modified Fe-TAML: Evidence of Fe-V(O) intermediate
103. 2014: Crossover experiments applied to network formation reactions: Improved strategies for counting elastically inactive molecular defects in PEG gels and hyperbranched polymers
104. 2014: Investigation of C–C bond formation mediated by Bombyx mori silk fibroin materials
105. 2013: Hydrolytic conversion of a metal-organic polyhedron into a metal-organic framework
106. 2013: Proton-conducting supramolecular metallogels from the lowest molecular weight assembler ligand: A quote for simplicity
107. 2013: Multistimuli-responsive supramolecular organogels formed by low-molecular-weight peptides bearing side-chain azobenzene moieties
108. 2013: C-C Bond formation catalyzed by natural gelatin and collagen proteins
109. 2013: Organophotocatalysis in nanostructured soft gel materials as tunable reaction vessels: comparison with homogeneous and micellar solutions
110. 2012: Crystal structure of (2S, 4R)-2-benzyl 1-tert-butyl 4-(tosyloxy)pyrrolidine-1,2-dicarboxylate, C₂₄H₂₉NO₇S
111. 2012: Competition between gelation and crystallisation of a peculiar multicomponent liquid system based on ammonium salts
112. 2012: Critical assessment of the efficiency of chitosan biohydrogel beads as recyclable and heterogeneous organocatalyst for C-C bond formation
113. 2012: Fine-tuning the balance between crystallization and gelation and enhancement of CO₂ uptake on functionalized calcium based MOFs and metallogels
114. 2011: Stimuli-responsive gels as reaction vessels and reusable catalysts
115. 2011: Tailoring drug release profile of low-molecular-weight hydrogels by supramolecular co-assembly and thiol-ene orthogonal coupling
116. 2010: Fine-tuning the morphology of self-assembled nanostructures of propargyl ammonium-based amphiphiles
117. 2009: Unsymmetrically functionalized phthalocyanines as versatile platforms for the preparation of molecular materials
118. 2008: Strength enhancement of nanostructured organogels through inclusion of phthalocyanine-containing complementary organogelator structures and in situ cross-linking by click chemistry
119. 2008: Polymer thermoreversible gels from organogelators enabled by 'click' chemistry
120. 2008: Facile decoration of functionalized single-wall carbon nanotubes with phthalocyanines via "Click Chemistry"
121. 2007: The Nicholas reaction: A powerful tool for the stereoselective synthesis of bioactive compounds
122. 2007: Hunter's oligoamide: A functional C-2-symmetric molecule with unusual topology for selective organic gel formation
123. 2007: Subphthalocyanines as narrow band red-light emitting materials
124. 2007: Study of high glass transition temperature thermosets made from the copper(I)-catalyzed azide-alkyne cycloaddition reaction
125. 2007: Physicochemical characterization of octakis(alkyloxy)-substituted Zn(II)-phthalocyanines non-covalently incorporated into an organogel and their remarkable morphological effect on the nanoscale-fibers
126. 2007: Click chemistry in materials synthesis. III. Metal-adhesive polymers from Cu(I)-catalyzed azide-alkyne cycloaddition
127. 2007: Ligand-accelerated Cu-catalyzed azide-alkyne cycloaddition: A mechanistic report

128. 2006: Alkynyl-substituted phthalocyanines: versatile building blocks for molecular materials synthesis
129. 2006: [1,3]-Transfer of chirality during the nicholas reaction in gamma-benzyloxy propargylic alcohols
130. 2006: Bis(formamidine-urea) complexes of Ni-II and Cu-II: Synthesis, characterization, and reactivity
131. 2006: First synthesis of symmetrical and unsymmetrical conjugated trinuclear phthalocyanines covalently linked by ethynyl bridges
132. 2006: 2,6-dichloro-9-thiabicyclo[3.3.1]nonane: Multigram display of azide and cyanide components on a versatile scaffold
133. 2006: Recent uses of iron (III) chloride in organic synthesis
134. 2006: Substituent effects on the gas-phase basicity of formamidine ureas
135. 2006: Incorporation of 2,6-di(4,4'-dipyridyl)-9-thiabicyclo[3.3.1] nonane into discrete 2D supramolecules via coordination-driven self-assembly
136. 2006: Synthesis of degradable model networks via ATRP and click chemistry
137. 2006: "Click" chemistry in a supramolecular environment: Stabilization of organogels by copper(I)-catalyzed azide-alkyne [3+2] cycloaddition
138. 2005: Activation of urea as a leaving group in substitution reactions of formamidine ureas
139. 2005: Acid-mediated highly regioselective oxidation of substituted furans: A simple and direct entry to substituted butenolides
140. 2005: Acid-mediated amine exchange of N,N-dimethylformamidines: Preparation of electron-rich formamidines
141. 2005: A facile synthesis of N,N'-bis[formamidine]ureas and symmetrical N,N'-disubstituted formamidines
142. 2005: Fe(III) halides as effective catalysts in carbon-carbon bond formation: Synthesis of 1,5-dihalo-1,4-dienes, α,β -unsaturated ketones, and cyclic ethers
143. 2004: Modular synthesis of formamidines and their formation of stable organogels
144. 2004: Palladium-catalyzed homocoupling of arylboronic acids and esters using fluoride in aqueous solvents
145. 2004: Formamidine ureas as tunable electrophiles
146. 2004: Expanded chemistry of formamidine ureas
147. 2004: Click chemistry in materials synthesis. 1. Adhesive polymers from copper-catalyzed azide-alkyne cycloaddition
148. 2003: Stereocontrolled synthesis of 1-acetylen-2,3-di-O-benzyl-tetrahydrofurans, 1,4-anhydro-arabinitol, and α,β -dihydroxy- γ -alkyl-butyrolactones
149. 2003: First practical synthesis of formamidine ureas and derivatives
150. 2003: Iron(III)-catalyzed Prins-type cyclization using homopropargylic alcohol: A method for the synthesis of 2-alkyl-4-halo-5,6-dihydro-2H-pyrans
151. 2002: Stereoselective synthesis of syn-2,7-disubstituted-4,5-oxepenes
152. 2001: Asymmetric synthesis of the (2S,4S,6S)-2,4,6-trimethylnonyl subunit of siphonarienes
153. 2001: Measurement of enantiomeric excess of amines by mass spectrometry following kinetic resolution with solid-phase chiral acylating agents
154. 2001: Stereocontrolled synthesis of unsaturated halohydrins from unsaturated epoxides
155. 2001: Double cationic propargylation: from linear to polycyclic ether
156. 2000: $\text{Co}_2(\text{CO})_8$ -Assisted synthesis of propargylic unsymmetrical ethers by reaction of alcohols with propargylic alcohols
157. 2000: Enantioselective synthesis of alkyl-branched alkanes. Synthesis of the stereoisomers of

- 7,11-dimethylheptadecane and 7-methylheptadecane, components of the pheromone of *Lambdina* species
158. 2000: Enantiocontrolled synthesis of trialkyl-substituted stereogenic carbons. A general route to cis-3,5-dialkyl γ -lactones
 159. 2000: Intramolecular propargylic reduction in γ -benzyl protected $\text{Co}_2(\text{CO})_6$ - α,γ -acetylenic diols under Nicholas reaction conditions

SELECCIÓN CONGRESOS

1. 2020: MIPOL2020
2. 2020: XXVIII RSEQ Biennial Meeting in Organic Chemistry
3. 2020: Virtual Symposium: System Chemistry – Nanoscience Initiative
4. 2019: 48th International Symposium on High-Performance Liquid Phase Separations and Related Techniques
5. 2019: XXXVII Reunión Bienal de la Real Sociedad Española de Química
6. 2019: XV Congreso de Estudiantes de la Sección de Química
7. 2019: ANAKON 2019
8. 2018: XXI Simposio Nacional de Química Orgánica (XXI SINAQO)
9. 2018: 70th Southeastern Regional Meeting of the American Chemical Society
10. 2018: VI Brazil-Spain Workshop on Organic Chemistry (BSWOC 2018)
11. 2018: 3rd African Nano Conference/Workshop
12. 2018: 82nd PMM conference and the 24th Polymer Networks Group Meeting - Polymer Networks and Gels 2018
13. 2017: 5th CMS International Symposium on Photofunctional Chemistry and Molecular System
14. 2017: XXI Simposio Nacional de Química Orgánica
15. 2017: Sino-German Symposium on Space Biomaterials and Systems Chemistry
16. 2017: 254th ACS National Meeting & Exposition
17. 2016: 6th EuCheMS Chemistry Congress
18. 2016: 23rd Polymer Networks Group Conference
19. 2016: 5th INDIGO Research Conference
20. 2015: 1st iPUR Symposium
21. 2015: GDCh-Wissenschaftsforum Chemie, Chemie 2015
22. 2014: 22nd Polymer Networks Group Meeting & Gel Symposium and 2014
23. 2013: 4th INDIGO Research Conference
24. 2013: 18th European Symposium on Organic Chemistry (ESOC 2013)
25. 2013: 11st International Conference on Materials Chemistry (MC11)
26. 2012: 4th EuCheMS Chemistry Congress
27. 2011: 16th International Sol-Gel Conference
28. 2010: Colloquium “New Methods and Techniques in (Bio)conjugation”
29. 2009: Bayreuth Polymer Symposium
30. 2008: European Young Chemist Award, 2nd EuCheMS Chemistry Congress
31. 2007: XVI Simposio Nacional de Química Orgánica de la SAIQO
32. 2007: International Soft Matter Conference 2007
33. 2007: IV Encuentro de Jóvenes Investigadores de Canarias y II Encuentro de Jóvenes Investigadores Biomédicos de la Macaronesia
34. 2007: 41st IUPAC World Chemistry Congress
35. 2006: XXVI Congreso Argentino de Química Dr. Ángel del Carmen Devia

36. 2005: XV Simposio Nacional de Química Orgánica
37. 2005: 55th Symposium on Organic Reactions
38. 2005: 230th ACS National Meeting
39. 2005: 229th ACS National Meeting
40. 2005: Gordon Conference
41. 2004: 228th ACS National Meeting
42. 2004: Gordon Conference
43. 2004: 227th ACS National Meeting
44. 2003: Gordon Conference
45. 2003: 12th IUPAC International Symposium on Organo-Metallic Chemistry (OMCOS-12)
46. 2003: 3rd Spanish-Japanese Organic Chemistry Symposium
47. 2002: IV Simposio Internacional Investigación Química en la Frontera
48. 2001: XIII Simposio Nacional de Química Orgánica Dr. Eduardo Gros
49. 2001: D12 Cost Meeting on Selective Organic Transformations
50. 2000: Tercer Simposio Internacional Investigación Química en la Frontera
51. 1999: 2nd Euroconference on Marine Natural Products
52. 1999: XXVII Reunión Bienal de la Real Sociedad Española de Química

SELECCIÓN CONFERENCIAS Y SEMINARIOS

1. 2020: MIPOL2020, Milán, Italy
2. 2019: III Jornadas Juan Carlos Ruiz Morales
3. 2019: COST Action 18125
4. 2018: Jornadas universitarias y de puertas abiertas IPNA-CSIC
5. 2018: Conferencia invitada Weizmann Institute of Science
6. 2017: Conferencia invitada Instituto de Química Avanzada de Cataluña
7. 2017: Conferencia invitada Georgia Institute of Technology
8. 04/2015: Conferencia invitada L'Institut Charles Gerhardt Montpellier
9. 03/2015: Conferencia invitada L'Institut Charles Gerhardt Montpellier
10. 03/2015: Conferencia invitada L'Institut Charles Gerhardt Montpellier
11. 2014: Conferencia invitada Instituto de Química Avanzada de Cataluña
12. 2013: Conferencia invitada Instituto de Química Avanzada de Cataluña
13. 2011: Conferencia invitada National Chemical Laboratory (NCL)
14. 2003: VII Semana Científica "Antonio González"
15. 2001: V Semana Científica "Antonio González"
16. 1999: III Semana Científica "Antonio González"
17. 1998: II Semana Científica "Antonio González"

PARTICIPACIÓN EN PROYECTOS DE INVESTIGACIÓN Y/O EN CONTRATOS DE INVESTIGACIÓN

1. 2020-2023: Desarrollo de formulaciones a base de gel para catálisis redox basada en aniquilación triplete-triplete usando luz visible
2. 2018-2020: Understanding the influence of wet chemical treatment on electro-optical characteristics of epitaxially grown (III-V) compound semiconductor layers
3. 2017-2020: HIKS-Hochintegriertes Kathodengas System (Development and manufacturing of a highly integrated air treatment module for the use in automotive high performance PEFC)
4. 2016-2019: Dendrimer-based nanoaggregates for light harvesting, electron delivery and hydrogen production. A potential integrated nanodevice for artificial photosynthesis
5. 2016-2018: Gel-based materials as nanoreactors for catalytic processes and biomedical

- applications
6. 2013-2016: Gel-based materials as nanoreactors for catalytic processes
 7. 2012-2014: Synthesis of novel chemical entities to map bioactivity in the chemical space synocemabics
 8. 2006-2011: Design and function of self-assembled light-energy conversion devices for catalysis
 9. 2010-2011: Sustainable functional gels with high thermo-resistance and mechanical strength enabled by 'spring-loaded' reactions
 10. 2006-2010: Development of N-Type polymer materials used as alternative to soluble C60 derivatives and their use in organic solar cells (SOLAR n-TYPE)
 11. 2006-2010: Materiales foto- y electroactivos para células solares orgánicas e híbridas (MadriSolar)
 12. 2010: Desarrollo de una metodología sintética sostenible para la fabricación de geles funcionales altamente resistentes con aplicaciones biomédicas, catalítica y medioambientales.
 13. 2005-2008: Nanocrystalline heterosupermolecular materials for optoelectronic applications (HETEROMOLMAT)
 14. 2005-2008: Síntesis y organización de sistemas moleculares y polímeros funcionales basados en ftalocianinas con propiedades ópticas convencionales y no convencionales
 15. 2006: Development of new molecular materials and functional polymers based on phthalocyanines derivatives
 16. 1999-2002: Síntesis estereoselectiva de productos naturales y análogos con actividad biológica en sus formas enantioméricas
 17. 1999-2001: Productos naturales y sintéticos con actividades anticancerígenas anticolesterolémicas, antileshmaniasis y como revertidores de multiresistencia a fármacos
 18. 1996-1999: Desarrollo de nuevos procesos asistidos por metales para la síntesis asimétrica de sistemas cíclicos y acíclicos polisustituidos

OTROS MÉRITOS RELACIONADOS CON LA CALIDAD Y NÚMERO DE PROYECTOS Y CONTRATOS DE INVESTIGACIÓN

MIEMBRO DE REDES DE COOPERACIÓN

1. Nombre de la red: LACASAS INMOVILIZADAS PARA LA DEGRADACIÓN DE COMPUESTOS AROMÁTICOS EN AGUAS RESIDUALES - LIDA (Programa Iberoamericano de Ciencia y Tecnología para el Desarrollo CYTED)

ESTANCIAS EN CENTROS DE INVESTIGACIÓN

1. 2006-2009: Dow Europe GmbH
2. 2002-2005: The Scripps Research Institute
3. 2000: The Scripps Research Institute
4. 1997: Universidad Nacional de Córdoba
5. 1996: Universidad Nacional del Comahue

OTROS MÉRITOS RELACIONADOS CON LA MOVILIDAD DEL PROFESORADO

ESTANCIAS BREVES DE MOVILIDAD INTERNACIONAL

1. 2018: University of South Carolina
2. 2018: Federal University of Agriculture
3. 2017: Harvard - Massachusetts Institute of Technology (Harvard - MIT)
4. 2017: Georgia Institute of Technology

5. 2017: Kyushu University
6. 2016: National Chemical Laboratory
7. 2011: National Chemical Laboratory
8. 2006: Mainz University

OTROS MÉRITOS RELACIONADOS CON LA ACTIVIDAD INVESTIGADORA

1. Tramos de evaluación (sexenios) reconocidos por la CNEAI (3)
2. Componente por méritos investigadores del complemento específico (quinquenios) reconocidos por el CSIC

PREMIOS Y RECONOCIMIENTO NACIONALES E INTERNACIONALES

3. BEATRIZ GALINDO SENIOR, NATIONAL AWARD (Distinguished Researcher at ULL). 2020
4. ELECTED BOARD COMMITTEE. Polymer Networks Group. 2018
5. AWARD OF EXCELLENCE UNIVERSITY OF NIGERIA, Nsukka. 2018
6. HONORARY MEMBER. Sociedad Argentina de Investigación en Química Orgánica. 2017
7. EXTENDED HEISENBERG PROFESSORSHIP AWARD. DFG, German Research Foundation. 2016
8. YOUNG INVESTIGATOR AWARD. Polymer Networks and Gels. 2014
9. HEISENBERG PROFESSORSHIP AWARD. DFG, German Research Foundation. 2013
10. ACS APPRECIATION CERTIFICATE. American Chemical Society. 2012
11. ALEXANDER VON HUMBOLDT AWARD FOR EXPERIENCED RESEARCHERS. Alexander von Humboldt Foundation. 2010
12. LEARNING EXPERIENCE AWARD. Dow Chemical Company. 2008
13. EUROPEAN YOUNG CHEMIST AWARD FINALIST. European Chemical Society EuCheMS. 2008
14. PERFORMANCE AWARD. Dow Chemical Company. 2008
15. RECOGNITION FOR CONTRIBUTION TO TS&D. Dow Chemical Company. 2008
16. RECOGNITION FOR CONTRIBUTION TO RAP. Dow Chemical Company. 2007
17. PREMIO JOVEN CANARIAS 2007. Gobierno de Canarias, Consejería de Empleo y Asuntos Sociales. 2007
18. CRI AWARD, POLYURETHANES. Dow Chemical Company. 2007
19. PREMIO POR RECONOCIMIENTO JÓVENES INVESTIGADORES EN EL EXTERIOR. Gobierno de Canarias, Consejería de Cultura. 2005
20. PREMIO ACCÉSIT DE DIVULGACIÓN CIENTÍFICA TERESA PINILLOS. AITri - Asociación de Investigadores y Tecnólogos de La Rioja. 2005
21. PREMIO EXTRAORDINARIO DE DOCTORADO. Universidad de La Laguna. 2003
22. PREMIO A LA MEJOR TESIS DOCTORAL. Universidad de La Laguna. 2003
23. PREMIO DÍA DE CANARIAS PARA JÓVENES INVESTIGADORES. Gobierno de Canarias, Consejería de Cultura. 2002

MIEMBRO DE CONSEJOS EDITORIALES

24. Editor-Jefe de la revista GELS. Entidad editora: MDPI
25. Editor de la Sección de Química de la revista THE ALL RESULTS JOURNALS. Entidad editora: Society for the Improvement of Science (SACSIS).
26. Miembro del equipo editorial y asesor científico de la revista SCIENCEOPEN. Entidad editora: ScienceOpen.

REVISOR DE ACCIONES DE I+D+i

27. Miembro del panel internacional de evaluación de las becas (Doctorado y Postdoc) de la FWO (RESEARCH FOUNDATION FLANDERS)
28. Revisor de proyectos de la ADMINISTRACIÓN NACIONAL DE EDUCACIÓN PÚBLICA
29. Revisor de proyectos del MINISTERIO DE CIENCIA E INNOVACIÓN

30. Revisor de proyectos del MINISTRY OF EDUCATION, RESEARCH, YOUTH AND SPORT OF ROMANIA
31. Revisor de proyectos de ISRAEL MINISTRY OF SCIENCE AND TECHNOLOGY
32. Revisor de proyectos de DFG (Alemania)
33. Revisor de proyectos de ACS-PRF (PETROLEUM RESEARCH FOUNDATION)
34. Revisor de proyectos de FONCyT-ANPCyT (Argentina)

REVISOR DE REVISTAS CIENTÍFICAS CON MÉTRICAS EN JCR – SCIE

35. Título de la revista: CHEMICAL SOCIETY REVIEWS
36. Título de la revista: JOURNAL OF THE AMERICAN CHEMICAL SOCIETY
37. Título de la revista: ANGEWANDTE CHEMIE-INTERNATIONAL EDITION
38. Título de la revista: JOURNAL OF MATERIALS CHEMISTRY A
39. Título de la revista: CHEMISTRY OF MATERIALS
40. Título de la revista: GREEN CHEMISTRY
41. Título de la revista: ACS SUSTAINABLE CHEMISTRY & ENGINEERING
42. Título de la revista: ACTA BIOMATERIALIA
43. Título de la revista: JOURNAL OF MATERIALS CHEMISTRY
44. Título de la revista: CHEMICAL COMMUNICATIONS
45. Título de la revista: BIOMACROMOLECULES
46. Título de la revista: JOURNAL OF MATERIALS CHEMISTRY B
47. Título de la revista: POLYMER CHEMISTRY
48. Título de la revista: MOLECULAR PHARMACEUTICS
49. Título de la revista: CRYSTAL GROWTH & DESIGN
50. Título de la revista: CHEMISTRYSELECT
51. Título de la revista: ORGANIC & BIOMOLECULAR CHEMISTRY
52. Título de la revista: SOFT MATTER
53. Título de la revista: ACS COMBINATORIAL SCIENCE
54. Título de la revista: LANGMUIR
55. Título de la revista: CATALYSIS COMMUNICATIONS
56. Título de la revista: ADVANCED FUNCTIONAL MATERIALS
57. Título de la revista: RSC ADVANCES
58. Título de la revista: ChemPhysChem
59. Título de la revista: ACS OMEGA
60. Título de la revista: POLYMER INTERNATIONAL
61. Título de la revista: PHOTOCHEMISTRY AND PHOTOBIOLOGY
62. Título de la revista: COLLOID AND INTERFACE SCIENCE
63. Título de la revista: JOURNAL OF PORPHYRINS AND PHTHALOCYANINES

MIEMBRO DE SOCIEDADES CIENTÍFICAS

64. German Chemical Society
65. Real Sociedad Española de Química
66. Swiss Society for Biomaterials
67. The American Chemical Society
68. The Royal Society of Chemistry

- ACTIVIDAD DOCENTE -

PUESTOS DOCENTES OCUPADOS

PROFESOR HONORARIO DE UNIVERSIDADES INTERNACIONALES

1. HONORARY PROFESSORSHIP. University of Nigeria
2. HONORARY PROFESSORSHIP. University of Jiangsu

DOCENCIA OFICIAL UNIVERSITARIA IMPARTIDA QUE NO CONSTA EN LOS CERTIFICADOS P.O.D.

3. Prácticas de Laboratorio. Universidad Autónoma de Madrid
4. Teórica presencial. Universidad de La Laguna
5. Resto de documentación acreditativa de la Docencia impartida como profesor en la Universidad Autónoma de Madrid (Ramón y Cajal), Universität Regensburg, Universidad de La Laguna incluido en el aplicativo ACADEMIA

DIRECCIÓN DE TESIS DOCTORALES (no incluídas tesis en curso)

1. Understanding the influence of wet chemical treatment on electro-optical characteristics of epitaxially grown (III-V) compound semiconductor layers. Doctorando/a: Markus Tautz
2. Synthesis and characterization of chemical and physical gels for high-tech applications. Doctorando/a: Marleen Häring
3. Synthesis, characterization and application of smart materials based on low-molecular-weight compounds and polymers. Doctorando/a: Judith Mayr
4. Engineering new supramolecular gels: From catalysis to drug delivery. Doctorando/a: Jürgen Bachl
5. Investigation of biopolymer-based hydrogels as green and heterogeneous catalysts in C-C bond formation. Doctorando/a: Dennis Kühbeck
6. Preparation, characterization and potential application of new low-molecular-weight organogels. Doctorando/a: Eva-Maria Schön

DIRECCIÓN DE TRABAJOS AVANZADOS

1. Certificados de dirección de Tesis de Licenciatura (BSc) en la Universität Regensburg
2. Certificados de dirección de Tesis de Master (MSc) en la Universität Regensburg
3. Certificados de dirección de Trabajos Fin de Grado (TFG) en la Universidad de La Laguna

OTROS MÉRITOS RELACIONADOS CON LA ACTIVIDAD DOCENTE

COORDINADOR DE ASIGNATURA

1. Coordinador de la asignatura obligatoria: CIENCIAS DE LOS MATERIALES curso 2020/21

FORMACIÓN DE INVESTIGADORES DEL PROGRAMA ESTATAL "JUAN DE LA CIERVA"

2. 2018: Candidato: María José Trujillo Rodríguez.
3. 2019: Candidato: Sebastian Bonardd Salvador.

CONFERENCIAS INVITADAS EN UNIVERSIDADES INTERNACIONALES

4. Engineering nanoreactors. Pontificia Universidad Católica de Chile. 2019
5. Physical gels as reaction vessels. Department of Chemistry, University of Milan. 2019
6. Physical gels as reaction vessels. Department of Organic Chemistry, University of Bologna. 2019
7. Air-sensitive photoredox catalysis performed under aerobic conditions in gel networks. University of South Carolina. 2018
8. Self-assembled gels as nanoreactors for photoredox catalysis in air. Università di Roma Tor Vergata. 2018
9. Gels as confined microenvironments to perform air-sensitive photoredox catalysis under aerobic conditions. University of Nigeria. 2018
10. Multifunctional materials: From adhesives to nanostructured gels, Federal University of Agriculture, Abeokuta, Nigeria. 2018

11. Gels as confined microenvironments to perform air-sensitive photoredox catalysis in air. Universidad de Rosario. 2018
12. Gels as confined microenvironments to perform air-sensitive photoredox catalysis under aerobic conditions. Pontificia Universidad Católica de Chile. 2018
13. Gel networks as reaction media: Performing air-sensitive photoredox catalysis under aerobic conditions. University of Montpellier, ICGM MACS, ED. 2018
14. Gels as confined microenvironments to perform air-sensitive photoredox catalysis under aerobic conditions. Universidad de Buenos Aires. 2017
15. Gel networks as reaction media: performing air-sensitive photoredox catalysis under aerobic conditions. Jiangsu University. 2017
16. Gel networks as confined microenvironments for photochemical reactions under mild conditions. Kyushu University. 2017
17. Two examples of simplicity and robustness: Metal adhesive polymers and intragel reactivity. Johannes Kepler University Linz, Institute of Organic Chemistry. 2016
18. Two examples of simplicity and robustness: Metal adhesive polymers and intragel reactivity. University of Paderborn, Department of Chemistry. 2016
19. Two examples of simplicity and robustness: Metal adhesive polymers and intragel reactivity. Indian Institute of Science Education and Research (IISER). 2016
20. From polymeric adhesives to softgel nanoreactors. University of Stuttgart, Institute of Physical Chemistry. 2016
21. Hard, soft and in between (KISSU principle in materials synthesis). Universidad Católica de Chile. 2015
22. Expanding the conceptual toolbox for the synthesis of new functional gels. Freie Universität Berlin, Institute of Chemistry and Biochemistry. 2015
23. Hard, soft and in between (KISSU principle in materials synthesis). Ulm University, Institute of Organic Chemistry and Advanced Materials, Department of Organic Chemistry. 2015
24. Metal adhesives from copper-catalysed azide-alkyne cycloaddition. Ecole Doctorale – UM FdS. 2015
25. Synthesis of multimuli-responsive functional soft materials. Università de Firenze, Department of Organic Chemistry. 2015
26. Stimuli-responsive multifunctional materials. Fakultät für Chemie und Pharmazie, Universität Regensburg. 2014
27. Click chemistry in polymer sciences, Universität Regensburg. 2010
28. Sustainable and bio-inspired functional materials. Entidad organizadora: Freiburg University, Freiburg Instituted for Advanced Studies (FRIAS), School of Soft Matter. 2008
29. Click chemistry: A versatile tool for organic synthesis, materials science, and medicinal chemistry. Department of Chemistry, University of Konstanz. 2008
30. 1,3-Dipolar cycloaddition of azides and alkynes: Versatility and control for organic synthesis, materials engineering and drug discovery. Institut für Organische Chemie, Universität Regensburg. 2008
31. Click chemistry: A modular approach for organic synthesis, materials science, and molecular biology. Université de Neuchâtel. 2008
32. Cu(I)-catalyzed 1,3-dipolar cycloaddition of azides and alkynes: A versatil tool for organic synthesis, materials science, and molecular biology. Universität Ulm. 2006
33. Nuevos avances en la química de los complejos de acetilenos con $\text{Co}_2(\text{CO})_8$ desde éteres lineales hasta éteres cíclicos polifuncionalizados. Universidad Nacional de San Luis. 2001

34. Impartición taller para alumnado de altas capacidades. Universidad de La Laguna. 2019
35. Self-assembled gels as nanoreactors for photoredox catalysis. Universidad de Salamanca (charla de apertura del máster en Química Supramolecular). 2018
36. Air-sensitive photoredox catalysis performed under aerobic conditions in gel networks. Entidad organizadora: ISQCH, CSIC-Universidad de Zaragoza. 2018
37. Self-assembled gels as nanoreactors for photoredox catalysis in air. Universidad Jaume I. 2018
38. Self-assembled gels as nanoreactors for photoredox catalysis in air. Universidad Autónoma de Barcelona. 2018
39. Self-assembled gels as nanoreactors for photoredox catalysis. Universidad de Huelva, CIQSO and Departamento de Química. 2018
40. Gel networks as reaction media: Performing air-sensitive photoredox catalysis under aerobic conditions. Instituto de Investigaciones Químicas, CSIC-Universidad de Sevilla. 2018
41. Air-sensitive photoredox catalysis performed under aerobic conditions in gel networks. Universidad de Santiago de Compostela, CIQUS. 2018
42. Gel networks as reaction media: Performing air-sensitive photoredox catalysis under aerobic conditions. Universidad Autónoma de Madrid. 2017
43. Gel networks as confined microenvironments for photochemical reactions under mild conditions. Instituto Universitario de Bio-Orgánica "Antonio González", Universidad de La Laguna. 2017
44. Amidines, virus and polymers. Instituto Universitario de Bio-Orgánica "Antonio González", Universidad de La Laguna. 2015
45. Cu(I)-catalyzed 1,3-dipolar cycloaddition of azides and alkynes: A versatile tool for materials science. Universidad Autónoma de Madrid. 2006

CURSOS Y SEMINARIOS IMPARTIDOS EN UNIVERSIDADES

46. Curso de Doctorado en Química Industrial. Título: Photophysical and photochemical processes in 3D self-assembled gels as confined microenvironments. Università degli Studi di Milano. 2020
47. Seminario. Título: From Synthetic Organic Chemistry to Advanced Multifunctional Materials. Departamento de Química Orgánica, Universidad de La Laguna. 2019
48. Curso de Posgrado. Título: Physical gels: Synthesis, properties and applications. Pontificia Universidad Católica de Chile. 2019
49. Seminario. Título: Use and capabilities of ChemDraw. Departamento de Analítica, Universidad de La Laguna. 2019
50. Jornada. Título: Nuevos Materiales y sus aplicaciones: El futuro es hoy. Universidad de La Laguna. 2019
51. Seminario. Título: Síntesis de formamidas derivadas de ureas. Programa de Maestría y Doctorado en ciencias Químicas del Instituto Tecnológico Tijuana-México. 2003

DIRECCIÓN DE TRABAJOS DE TESIS DE LICENCIATURA EN LA UNIVERSITÄT REGENSBURG (Alemania)

52. Título del trabajo: Synthesis of 2+2 cycloaddition based polymers. Alumno/a: Denis Genze. Fecha de defensa: 31/03/2020
53. Título del trabajo: Synthesis of low molecular weight gelators. Alumno/a: Bastian Mader. Fecha de defensa: 31/03/2020
54. Título del trabajo: Study of the Baylis-Hillman reaction in ionogels made by low molecular weight gelators. Alumno/a: Stephan Reger. Fecha de defensa: 23/09/2011
55. Título del trabajo: Effects of non-covalent inclusion of phthalocyanines on the properties of low and high molecular weight gels. Alumno/a: Pia-Regina Keseberg Smith. Fecha de defensa: 05/07/2011

56. Título del trabajo: Gelation properties of Phe-Phe dipeptide derivatives (II). Alumno/a: Anika Kolb. Fecha de defensa: 05/07/2011
57. Título del trabajo: Synthesis, characterization and evaluation of different surfactant free, ionic polymer isomers, forming hydrogels. Alumno/a: Judith Mayr. Fecha de defensa: 05/07/2011
58. Título del trabajo: Alginate-metal hydrogel beads as heterogeneous catalysts. Alumno/a: Martin Hofmann. Fecha de defensa: 21/06/2011
59. Título del trabajo: Gelation properties of Phe-Phe dipeptide derivatives (I). Alumno/a: Stefanie Jager. Fecha de defensa: 21/06/2011

DIRECCIÓN DE TRABAJOS FIN DE GRADO EN LA UNIVERSIDAD DE LA LAGUNA

60. Título del trabajo: Materiales basados en geles versus redes metal-orgánicas en técnicas de microextracción.

MIEMBRO DE TRIBUNALES EVALUADORES DE TESIS DOCTORALES EN UNIVERSIDADES INTERNACIONALES

61. Miembro de tribunales en la UNIVERSITÄT REGENSBURG
62. Miembro de tribunales en la INDIAN INSTITUTE OF TECHNOLOGY INDORE
63. Miembro de tribunales en la INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR
64. Miembro de tribunales en la INDIAN INSTITUTE OF TECHNOLOGY MADRAS
65. Miembro de tribunales en la NATIONAL INSTITUTE OF TECHNOLOGY ROURKELA
66. Miembro de tribunales en la KING ABDULLAH UNIVERSITY OF SCIENCE AND TECHNOLOGY
67. Miembro de tribunales en la UNIVERSITY OF PUNE
68. Miembro de tribunales en la INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH KOLKATA

MIEMBRO DE TRIBUNALES EVALUADORES DE TESIS DOCTORALES EN UNIVERSIDADES NACIONALES

69. Miembro de tribunales en la Universidad Politécnica de Valencia
70. Miembro de tribunales en la Universidad de Zaragoza
71. Miembro de tribunales en la Universidad Autónoma de Madrid
72. Miembro de tribunales en la Universidad de Oviedo

MIEMBRO DE TRIBUNAL CORRECTOR DE LA EBAU

73. Convocatoria ordinaria julio 2020

EVALUACIONES POSITIVAS DE SU ACTIVIDAD

1. Descripción: HABILITATION (*venia legendi*). Entidad acreditante: Universität Regensburg
2. Descripción: ACREDITACIÓN como Profesor Titular. Entidad acreditante: ANECA
3. Encuesta docente y carta de la Universität Regensburg incluido en el aplicativo ACADEMIA

MATERIAL DOCENTE ORIGINAL Y PUBLICACIONES DOCENTES

1. 2020: Development of anion exchange membranes via click chemistry. En: Porous Membranes: Breakthroughs in Manufacturing and Applications Wiley-Scrivener 978-1119407034
2. 2020: Self-healing collagen-based hydrogel for brain injury therapy. En: Advances in Polymer Science Springer Nature 978-3-540-04032-3
3. 2019: Liposomes-in-chitosan hydrogels. Challenges and opportunities for biomedical applications. En: Materials Science and Technology Wiley 9783527313952
4. 2019: Photocatalytic active polymers in organic synthesis. En: Smart Polymer Catalysts and Tunable Catalysis Elsevier 9780128118405
5. 2014: Photo-responsive hydrogels for adaptive membranes. En: Smart Membranes and Sensors. Synthesis, Characterization and Applications Scrivener Publishing LLC - ... 978-1-119-02864-2

6. 2010: Click Chemistry: a quote for function. En: Ideas in Chemistry and Molecular Sciences: Advances in Nanotechnology, Materials and Devices Wiley 978-3-527-32543-6

PROYECTOS DE INNOVACIÓN DOCENTE

1. Implementación y evaluación de un curso de química orgánica invertido

OTROS MÉRITOS RELACIONADOS CON LA CALIDAD DE LA ACTIVIDAD

MIEMBRO DE COMISIONES DE GESTIÓN DOCENTE DE TITULACIONES EN LA UNIVERSITÄT REGENSBURG

1. Título del comité: MASTER UNIVERSITARIO "SYNCAT: MSC ADVANCED SYNTHESIS AND CATALYSIS"
2. Título del comité: PROGRAMA DE DOCTORADO INTERNACIONAL "IPUR"

TUTORÍAS ACADÉMICAS DE ESTUDIANTES EN LA UNIVERSITÄT REGENSBURG

3. Nombre del programa: DOCTORADO/A
4. Nombre del programa: FORMACIÓN PERSONAL DOCENTE
5. Nombre del programa: MEJORA RENDIMIENTO
6. Dirección de prácticas de investigación en la Universität Regensburg (Research Internship)
7. Dirección de proyectos de pasantía en la Universität Regensburg

ESTANCIAS EN CENTROS DOCENTES

1. 2018: École Nationale Supérieure de Chimie de Montpellier
2. 2016: Institut Charles Gerhardt - Matériaux Avancés pour la Catalyse et la Santé
3. 2015: Università degli Studi di Firenze
4. 2015: Pôle Chimie Balard
5. 1996: Universidad Nacional del Comahue

OTROS MÉRITOS RELACIONADOS CON LA CALIDAD DE LA FORMACIÓN DOCENTE

1. Título de la formación: Curso de Adaptación Pedagógica (CAP)

- TRANSFERENCIA DEL CONOCIMIENTO Y EXPERIENCIA -

PATENTES Y PRODUCTOS CON REGISTRO DE PROPIEDAD INTELECTUAL

1. Stabilization of organogels and hydrogels by copper(I)-catalyzed azide-alkyne [3+2] cycloaddition
2. Uso de una composición acuosa como adhesivo

TRANSFERENCIA DE CONOCIMIENTO AL SECTOR PRODUCTIVO

PROMOTOR DE ACTIVIDAD EMPRESARIAL DE TRANSFERENCIA

1. Promotor Spin-Off: ALISIO CHEMICAL TECHNOLOGIES SL

ELABORACIÓN DE INFORMES CIENTÍFICO-TÉCNICOS

2. Título: HIGHLY PU THERMORESISTANT FOR PIPE APPLICATIONS. Central Report Index. The Dow Chemical Company. 2008
3. Título: SUPERHYDROPHOBIC COATINGS: A REVIEW. Central Report Index. The Dow Chemical Company. 2008
4. Título: SUPERHYDROPHOBIC LATEX-BASED COATINGS FOR PAPER. Central Report Index. The Dow Chemical Company. 2008
5. Título: EO-BASED SURFACTANT FORMULATIONS. Central Report Index. The Dow Chemical

Company. 2007

6. Título: MICROWAVE SENSOR FOR IN SITU PU QUALITY CONTROL. Central Report Index. The Dow Chemical Company. 2007
7. Título: CHEMISTRY: ORGANIC, MATERIALS AND ANALYTICAL CHEMISTRY. TSRI Report. 2005
8. Título: CHEMISTRY: ORGANIC, MATERIALS AND ANALYTICAL CHEMISTRY. TSRI Report. 2004
9. Título: CHEMISTRY: ORGANIC, MATERIALS AND ANALYTICAL CHEMISTRY. TSRI Report. 2003
10. Título: CHEMISTRY: ORGANIC, MATERIALS AND ANALYTICAL CHEMISTRY. TSRI Report. 2001

OTROS MÉRITOS RELACIONADOS CON LA CALIDAD DE LA TRANSFERENCIA DE LOS RESULTADOS

ACTIVIDADES DE DIVULGACIÓN CIENTÍFICA

1. Entrevista RNE. 2020
2. Entrevista Universidad de La Laguna sobre la plaza Beatriz Galindo. 2020
3. Nanotechnology in LED lighting. Nombre del evento: Semana Científica. IES Pureza de María. 2020
4. Nanotechnology in LED lighting. Tipo de evento: Semana de la Ciencia y la Nanotecnología del CSIC, Conferencia para alumnos de ESO y Bachillerato. IPNA-CSIC. 2019
5. How did I become a scientist? IES San Nicolás. 2019
6. How did I become a scientist? Colegio La Pureza de María. 2019
7. My Career Pathway: From Synthetic Organic Chemistry to Advanced Multifunctional Materials. IPNA-CSIC. 2018
8. Entrevista por Televisión Argentina durante el XXI Simposio Nacional de Química Orgánica. 2017
9. Entrevista por el programa "Galaxias y Centellas". 2011
10. I Certamen de Divulgación Científica "Antonio González". Instituto de Bio-orgánica Antonio González. 2010
11. El ketchup y la regeneración cardíaca coinciden en la química. Periódico La Opinión. 2009
12. Entrevista por Televisión Canaria. 2007
13. Entrevista por Jason Socrates Bardi. The Scripps Research Institute. 2005
14. Los geles: una maravilla de la ciencia al servicio de la sociedad. Nombre del evento: II Certamen Teresa Pinillos de ensayos de divulgación científica. Universidad de La Rioja. 2005

PUESTOS OCUPADOS Y DEDICACIÓN

1. Informe de Vida Laboral de la Seguridad Social