CURRICULUM VITAE ABREVIADO (CVA)

Fecha del CV	**25/03/2025**

Parte A. DATOS PERSONALES

Nombre	César
Apellidos	Viseras Iborra

** datos obligatorios*

Situación profesional actual

Puesto	Catedrático de Universidad
Fecha inicio	Diciembre de 2017
Organismo/ Institución	Universidad de Granada
Departamento/ Centro	Farmacia y Tecnología Farmacéutica

Parte B. RESUMEN DEL CV

Scopus (26/06/2024):

- Publicaciones: 198
- Citas: 5985
- H index: 39
- 80% de las publicaciones en colaboración internacional.
- 63.5% de las publicaciones en el top 25% de documentos más citados a nivel mundial.

Mi experiencia científica y técnica se centra en el uso de materiales naturales, principalmente arcillas, en el diseño y desarrollo de productos farmacéuticos. Mantengo activa colaboración con otros grupos nacionales y extranjeros. He participado en la organización de congresos nacionales e internacionales, entre los que destaca el International Clay Conference del 2017 celebrado en Granada. He sido invitado a más de 20 lectures en congresos internacionales, incluyendo 3 plenary and 5 key-note. He sido director de 9 tesis doctorales, 3 de ellas en cotutela internacional. Soy miembro del **Editorial Advisory Board de las revistas Applied Clay Science y Pharmaceutics.** He sido editor asociado de la revista **Materials Technology** durante diez años.

Parte C. LISTADO DE APORTACIONES MÁS RELEVANTES

C.1. Publicaciones (2021-)

AC: autor de correspondencia; (nº x / nº y): posición / autores totales.

1. Cortés et al. Technological study of kaolinitic clays from Fms. Escucha and Utrillas to be used in dermo-pharmaceutical products (2024) Applied Clay Science, 2024, 255, art. 107422. Q1. [https://doi.org/10.1016/j.clay.2024.107422] (8/9)
2. Falanga et al. Carrier capability of halloysite nanotubes for the intracellular delivery of antisense PNA targeting mRNA of neuroglobin gene (2024) Journal of Colloid and Interface Science, 2024, 663, pp. 9–20. Q1. [https://doi.org/10.1016/j.jcis.2024.02.136] (8/11)
3. Massaro et al. Cyclodextrin-grafted-hectorite based nanomaterial for antibiotics and metal ions adsorption (2024) Applied Clay Science, 250, art. 107271. Q1. [https://doi.org/10.1016/j.clay.2024.107271] (10/11)
4. Figueiredo et al. Brazilian palygorskite as an alternative to commercial adsorbents for methylene blue: A discussion about composition, morphology and pore profile (2024) Microporous and Mesoporous Materials, 2024, 366, art. 112957. Q1. [https://doi.org/10.1016/j.micromeso.2023.112957] (8/8)
5. Massaro et al. Thixotropic Hydrogels Based on Laponite® and Cucurbituril for Delivery of

Lipophilic Drug Molecules (2024) ChemPlusChem, 2024, 89(1), art. e202300370. Q1. [https://doi.org/10.1002/cplu.202300370] AC, (9/10)
6. Massaro et al. Nanoformulations based on collagenases loaded into halloysite/Veegum® clay minerals for potential pharmaceutical applications (2023) Colloids and Surfaces B: Biointerfaces, 2023, 230, art. 113511. Q1. [https://doi.org/10.1016/j.colsurfb.2023.113511] (7/8)
7. Massaro et al. Modification of halloysite lumen with dopamine derivatives as filler for antibiofilm coating (2023) Journal of Colloid and Interface Science, 646, pp. 910–921. Q1. [https://doi.org/10.1016/j.jcis.2023.05.121] (10/11)
8. Ruggeri, M. et al. Hydroxyapatite-doped microspheres in chronic wound regeneration (2023) Journal of Drug Delivery Science and Technology, 86, art. no. 104758, Q1. [https://doi.org/10.1016/j.jddst.2023.104758] (8/10)
9. Meirelles, L.M.A. et al. Investigation into Brazilian Palygorskite for Its Potential Use as Pharmaceutical Excipient: Perspectives and Applications (2023) Materials, 16 (14), art. no. 4962, Q2. [https://doi.org/10.3390/ma16144962] (6/8)
10. Nomicisio, C. et al. Natural and Synthetic Clay Minerals in the Pharmaceutical and Biomedical Fields (2023) Pharmaceutics, 15 (5), art. no. 1368, Q1. [https://doi.org/10.3390/pharmaceutics15051368] (7/9)
11. Souza, I.M.S. et al. Zeolites as Ingredients of Medicinal Products (2023) Pharmaceutics, 15 (5), art. no. 1352, Q1. [https://doi.org/10.3390/pharmaceutics15051352] AC; (3/4)
12. Ruggeri, M. et al. Bentonite- and Palygorskite-Based Gels for Topical Drug Delivery Applications (2023) Pharmaceutics, 15 (4), art. no. 1253, Q1. [https://doi.org/10.3390/pharmaceutics15041253] (8/8)
13. Hernández, D. et al. Antioxidant Efficacy and “In Vivo” Safety of a Bentonite/Vitamin C Hybrid (2023) Pharmaceutics, 15 (4), art. no. 1171, Q1. [https://doi.org/10.3390/pharmaceutics15041171] (7/10)
14. Genesi, B.P. et al. Aloe vera and copaiba oleoresin-loaded chitosan films for wound dressings: microbial permeation, cytotoxicity, and in vivo proof of concept (2023) International Journal of Pharmaceutics, 634, art. no. 122648, Q1. [https://doi.org/10.1016/j.ijpharm.2023.122648] (8/10)
15. Moreno-Domínguez, E. et al. Experimental and Computational Study for the Design of Sulfathiazole Dosage Form with Clay Mineral (2023) Pharmaceutics, 15 (2), art. no. 575, Q1. [https://doi.org/10.3390/pharmaceutics15020575] (4/5)
16. Damasceno Junior, E. et al. Montmorillonite–Rifampicin Nanohybrid for pH-Responsive Release of the Tuberculostatic (2023) Pharmaceutics, 15 (2), art. no. 512, Q1. [https://doi.org/10.3390/pharmaceutics15020512] (6/8)
17. Ruggeri, M. et al. Clay-Based Hydrogels as Drug Delivery Vehicles of Curcumin Nanocrystals for Topical Application (2022) Pharmaceutics, 14 (12), art. no. 2836, Q1. [https://doi.org/10.3390/pharmaceutics14122836] (8/8)
18. Notarbartolo, M. et al. Exploring the cellular uptake of hectorite clay mineral and its drug carrier capabilities (2022) Colloids and Surfaces B: Biointerfaces, 220, art. no. 112931, Q1. [https://doi.org/10.1016/j.colsurfb.2022.112931] (10/11)
19. Ruggeri, M. et al. Smart nano-in-microparticles to tackle bacterial infections in skin tissue engineering (2022) Materials Today Bio, 16, art. no. 100418, Q1. [https://doi.org/10.1016/j.mtbio.2022.100418] (12/12)
20. Massaro, M. et al. Supramolecular Association of Halochromic Switches and Halloysite Nanotubes in Fluorescent Nanoprobes for Tumor Detection (2022) ACS Applied Nano Materials, 5 (10), pp. 13729-13736, Q1. [https://doi.org/10.1021/acsanm.2c00603] (7/8)
21. Massaro, M. et al. Nanocarrier based on halloysite and fluorescent probe for intracellular delivery of peptide nucleic acids (2022) Journal of Colloid and Interface Science, 620, pp. 221-233, Q1. [https://doi.org/10.1016/j.jcis.2022.03.151] (9/10)
22. Pires Figueiredo, M. et al. Experimental and Theoretical Studies on the Intercalation of Naproxen into the Mg2Al and Zn2Al Layered Double Hydroxides by Ion Exchange Reaction (2022) Journal of Pharmaceutical Sciences, 111 (8), pp. 2369-2377, Q1. [https://doi.org/10.1016/j.xphs.2022.05.012] (5/6)
23. Bianchi, E. et al. Inorganic Nanomaterials in Tissue Engineering (2022) Pharmaceutics, 14 (6), art. no. 1127,Q1. [https://doi.org/10.3390/pharmaceutics14061127] (3/6)

24. Montiel-Centeno, K. et al. Cephalexin loading and controlled release studies on mesoporous silica functionalized with amino groups (2022) Journal of Drug Delivery Science and Technology, 72, art. no. 103348, Q1. [https://doi.org/10.1016/j.jddst.2022.103348] (8/9)
25. Barbosa, R.M. et al. Hybrid Lipid/Clay Carrier Systems Containing Annatto Oil for Topical Formulations (2022) Pharmaceutics, 14 (5), art. no. 1067, p. 1067, Q1. [https://doi.org/10.3390/pharmaceutics14051067] AC; (6/10)
26. Massaro, M. et al. Prodrug based on halloysite delivery systems to improve the antitumor ability of methotrexate in leukemia cell lines (2022) Colloids and Surfaces B: Biointerfaces, 213, art. no. 112385, Q1. [https://doi.org/10.1016/j.colsurfb.2022.112385] (9/10)
27. da Rocha, M.C. et al. Clays as Vehicles for Drug Photostability (2022) Pharmaceutics, 14 (4), art. no. 796, Q1. [https://doi.org/10.3390/pharmaceutics14040796] (9/9)
28. Borrego-Sánchez, A. et al. Melatonin/nanoclay hybrids for skin delivery (2022) Applied Clay Science, 218, art. no. 106417, Q1. [https://doi.org/10.1016/j.clay.2022.106417] AC; (3/5)
29. Di Marzio, L. et al. Praziquantel-loaded calcite crystals: Synthesis, physicochemical characterization, and biopharmaceutical properties of inorganic biomaterials for drug delivery (2022) JDDST, 68, art. no. 103021, Q1. (https://doi.org/10.1016/j.jddst.2021.103021] AC; (9/9)
30. Belhouchat, N.-H. et al. Efficient removal of methylene blue using Algerian purified bentonite/sodium alginate beads in batch, recirculating, and continuous adsorption processes (2022) International Journal of Environmental Analytical Chemistry, Q3. [https://doi.org/10.1080/03067319.2022.2100261] (6/6)
31. Brandão-Lima, L.C. et al. Clay mineral minerals as a strategy for biomolecule incorporation: Amino acids approach (2022) Materials, 15 (1), art. no. 64, Q2. [https://doi.org/10.3390/ma15010064] AC; (5/11)
32. Pires Figueiredo, M. et al. Innovative membrane containing iron-based layered double hydroxide intercalated with phyto therapeutic diterpenoid (2022) Applied Clay Science, 216, art. no. 106358, Q1. [https://doi.org/10.1016/j.clay.2021.106358] AC; (6/7)
33. Massaro, M. et al. Ciprofloxacin carrier systems based on hectorite/halloysite hybrid hydrogels for potential wound healing applications (2021) Applied Clay Science, 215, art. no. 106310, Q1. [https://doi.org/10.1016/j.clay.2021.106310] AC; (4/12)
34. Viseras, C. et al. Clays in cosmetics and personal-care products (2021) Clays and Clay Minerals, 69 (5), pp. 561-575, Q2. [https://doi.org/10.1007/s42860-021-00154-5] AC; (1/9)
35. Marinelli, L. et al. In vitro wound-healing properties of water-soluble terpenoids loaded on halloysite clay (2021) Pharmaceutics, 13 (8), art. no. 1117, Q1. [https://doi.org/10.3390/pharmaceutics13081117] (10/12)
36. Borrego-Sánchez, A. et al. Theoretical study of retinol, niacinamide and glycolic acid with halloysite clay mineral as active ingredients for topical skin care formulations (2021) Molecules, 26 (15), art. no. 4392, Q1. [https://doi.org/10.3390/molecules26154392] (4/4)
37. Câmara, G.B.M. et al. Nanocomposite gels of poloxamine and Laponite for β-Lapachone release in anticancer therapy (2021) European Journal of Pharmaceutical Sciences, 163, art. no. 105861, Q1. [https://doi.org/10.1016/j.ejps.2021.105861(4/11)
38. Souza, I.M.S. et al. Experimental and molecular modelling study of beta zeolite as drug delivery system (2021) Microporous and Mesoporous Materials, 321, art. no. 111152, Q1. [https://doi.org/10.1016/j.micromeso.2021.111152 (5/6)
39. Massaro, M. et al. Pyrazole[3,4-d]pyrimidine derivatives loaded into halloysite as potential CDK inhibitors (2021) International Journal of Pharmaceutics, 599, art. no. 120281, Q1. [https://doi.org/10.1016/j.ijpharm.2021.120281] (9/10)
40. Awad, M.E. et al. Enhanced antimicrobial activity and physicochemical stability of rapid pyro-fabricated silver-kaolinite nanocomposite (2021) International Journal of Pharmaceutics, 598, art. no. 120372, Q1. [https://doi.org/10.1016/j.ijpharm.2021.120372] (7/7)
41. Massaro, M. et al. Synthesis and characterization of nanomaterial based on halloysite and hectorite clay minerals covalently bridged (2021) Nanomaterials, 11 (2), art. no. 506, pp. 1-13, Q1. [https://doi.org/10.3390/nano11020506] (7/11)

C.2. Proyectos

CGL2016-80833-R, Empleo de arcillas especiales (esmectitas, sepiolita, paligorskita, caolinita y haloysita) y zeolitas en salud humana. Plan Nacional-Retos, 70.000 euros. 30/12/2013 hasta 30/09/2020. IP César Viseras.

P18-RT-3786, Development of therapeutic and environmental applications of Clays as Nanostructured Materials. CECEU/Andalucía, 108.292 €. 01/01/2020 hasta 31/03/2023. IP César Viseras; CoIP: Claro Ignacio Sainz Diaz.

PID2022-137603OB-I00, Productos sanitarios basados en nanoarcillas para el tratamiento de ulceras de la piel. Plan Nacional (PROYECTOS DE GENERACIÓN DE CONOCIMIENTO). 91.000 euros. 14/12/2023 hasta 31/12/2026

C.3. Participación en actividades de transferencia de tecnología/conocimiento y explotación de resultados

Application number: PCT/ES2018/070503 (Europe). Patent number: IPR-676-PCT (Europe). Title of Invention/Industrial Property: “Procedure for preparation of a nanoestructured material of praziquantel and a silicate, material obtained and use as antiparasitic”. **Inventores**: Ana Borrego Sánchez, Carola Aguzzi, César Viseras Iborra, Claro Ignacio Sainz Díaz. University of Granada/Consejo Superior de Investigaciones Científicas (CSIC). Empresa que explota la patente: Bayer (ensayos clínicos fase II).

Otras actividades de transferencia de conocimiento: He sido experto judicial y asesor de patentes (Rapporteur) en 10 procedimientos centralizados y 5 aplicaciones para certificados de cumplimiento (Certificates of suitability, CEP). Experto judicial nominado por la corte civil de Barcelona en litigios de patentes farmacéuticas desde hace diez años.