

PROGRAMA DE DOCTORADO EN BIOMEDICINA
LÍNEA DE INVESTIGACIÓN EN BIOMEDICINA REGENERATIVA
Publicaciones relevantes desde el año 2012

AMELIA EVA ARÁNEGA JIMENEZ

Publicación	Posición de revista en el área	Total revistas en el área
Aránega AE, De la Rosa AJ, Franco D. Cardiac conduction system anomalies and sudden cardiac death: insights from murine models. . Front Physiol. 2012. 3: 211-216. doi: 10.3389/fphys.2012.00211. Epub 2012 Jun 14. PMID: 22783196.	20	83
De la Rosa AJ, Dominguez JN, Sedmera D, Sankova B, Hove-Madsen L, Franco D, Aránega AE. Functional suppression of Kcnq1 leads to early sodium channel remodelling and cardiac conduction system dysmorphogenesis. 2013. Cardiovasc Res, 98(3): 504-514. doi: 10.1093/cvr/cvt076. Epub 2013 Mar 29. PMID:23542581	15	125
Hernández-Torres F, Franco D, Aránega AE. Identification of regulatory elements directing miR23a-27a-24-2 transcriptional regulation in response to muscle hypertrophic stimuli. 2014. BBA-Gene Regulatory Mechanisms, 1839(9): 885-897. doi: 10.1016/j.bbagrm.2014.07.009. Epub 2014 Jul 19. PMID:25050919	8	73
Vilches JM, Franco D, Aránega AE. Contribution of miRNAs to ion-channel remodelling in atrial fibrillation. 2015. World Journal of Hypertension, 5(1): 6-13.		
Daimi H, Haj-Khelil A, Lozano-Velasco E, Chibani JBE, Gonzalez de la Fuente M, Caballero R, Aranega A, Franco D. Regulation of scn5a by micrornas: mir-219 modulates scn5a transcript expression and the effects of flecainide intoxication in mice. 2015. Heart Rhythm, 12(6):1333-42. doi: 10.1016/j.hrthm.2015.02.018. Epub 2015 Feb 19. PMID:25701775	25	124
Hernández-Torres F, Franco D, Aránega AE, Navarro F. Expression patterns and immunohistochemical localization of PITX2B transcription factor in the developing mouse heart. 2015. Int J Dev Biol 2015 Mar 26. doi: 10.1387/ijdb.140224fh. [Epub ahead of	34	41

print] PMID:25896281		
Aguirre LA, Alonso ME, Badía-Careaga C, Rollán I, Arias C, Fernández-Miñán A, López-Jiménez E, Aránega A, Gómez-Skarmeta JL, Franco D, Manzanares M. Long-range regulatory interactions at the 4q25 atrial fibrillation risk locus involve PITX2c and ENPEP. <i>BMC Biol.</i> 2015 Apr 17;13:26. doi: 10.1186/s12915-015-0138-0. [Epub ahead of print] PMID:25888893.	5	86
Lozano-Velasco E, Galiano-Torres J, Jodar-García A, Aránega AE, Franco D. miR-27 and miR-125 Distinctly Regulate Muscle-Enriched Transcription Factor in Cardiac and Skeletal Myocytes. 2015. <i>BioMed Research International</i> ; 1:1-6. doi: 10.1155/2015/391306. Epub 2015 Jun 28. PMID:26221592.	82	161
Lozano-Velasco E, Vallejo D, Esteban FJ, Doherty C, Hernández-Torres F, Franco D, Aránega AE. A Pitx2-miRNA pathway modulates cell proliferation in myoblasts and skeletal-muscle satellite cells and promotes their commitment to myogenic cell fate. 2015. <i>Mol Cell Biol.</i> Jun 8. pii: MCB.00536-15. doi: 10.1128/MCB.00536-15. Epub 2015 Jun 8. PMID:26055324	66	289
Bonet F, Aránega AE, Franco D. MiR-23b and miR-199a impairs epithelial-to-mesenchymal transition during atrioventricular endocardial cushion formation. 2015. <i>Dev Dyn</i> 2015. 224(10): 1259-1275. doi: 10.1002/dvdy.24309. Epub 2015 Aug 26. PMID: 26198058.	3	21
López-Sánchez C, Franco D, Bonet F, Garcia-Lopez V, Aránega A, García-Martínez V. Negative Fgf8-Bmp2 feed-back is regulated by miR-130 during early cardiac specification. 2015. <i>Dev Biol</i> ; 406(1): 63-73. doi: 10.1016/j.ydbio.2015.07.007. Epub 2015 Jul 10. PMID:26165600	11	41
Lozano-Velasco E, Hernández-Torres F, Daimi H, Serra SA, Herraiz A, Hove-Madsen L, Aránega A, Franco D. Pitx2 impairs calcium handling in a dose-dependent manner by modulating Wnt signalling. 2016. <i>Cardiovasc Res.</i> , Jan 1;109(1):55-66. doi: 10.1093/cvr/cvv207. Epub 2015 Aug 4. PMID:26243430.	16	124

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Lozano-Velasco E, Wangenstein R, Quesada A, Garcia-Padilla C, Osorio JA, Ruiz-Torres MD, Aranega A, Franco D. Hyperthyroidism, but not hypertension, impairs PITX2 expression leading to Wnt-microRNA-ion channel remodeling. 2017. <i>PloS One.</i> 1;12(12): e0188473. doi: 10.1371/journal.pone.0188473. eCollection 2017. PMID:PMCID:PMC5711019	15	64
Vallejo D, Hernández-Torres F, Lozano-Velasco E, Rodríguez-Outeiriño L, Carvajal A, Creus C, Franco D, Aránega AE.. PITX2 Enhances the Regenerative Potential of Dystrophic Skeletal Muscle Stem Cells. 2018. <i>Stem Cell Reports</i> 10(4): 1398 -1411. doi: 10.1016/j.stemcr.2018.03.009. PMID:29641992	3	24

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Publicación	Posición de revista en el área	Total revistas en el área
Aguilar JM, Rodríguez-Serrano F, Ferreiro-Marzal A, Esteban-Molina M, Gabucio A, García E, Boni L, Garrido JM. Left superior vena cava draining into the left atrium: Clinical entities, diagnosis and surgical treatment. <i>Arch Cardiovasc Dis.</i> 2018 Sep 1. pii: S1875-2136(18)30118-9. doi: 10.1016/j.acvd.2018.05.007. [Epub ahead of print] PubMed PMID: 30181052.	62	128
Nácher-Soler G, Garrido JM, Rodríguez-Serrano F. Hearing regeneration and regenerative medicine: present and future approaches. <i>Arch Med Sci.</i> 2017. Aceptado. En Prensa.	44	154
Ruiz-López L, Blancas I, Garrido JM, Mut-Salud N, Moya-Jódar M, Osuna A, Rodríguez-Serrano F. The role of exosomes on colorectal cancer: A review. <i>J Gastroenterol Hepatol.</i> 2018 Apr;33(4):792-799. doi: 10.1111/jgh.14049. Epub 2018 Feb 19. Review. PubMed PMID: 29156509.	27	80
Guardia JJ, Tapia R, Mahdjour S, Rodríguez-Serrano F, Mut-Salud N, Chahboun R, Alvarez-Manzaneda E. Antiproliferative Activity of Natural	21	222

Taiwaniaquinoids and Related Compounds. <i>J Nat Prod.</i> 2017 Feb 24;80(2):308-318. doi: 10.1021/acs.jnatprod.6b00700. Epub 2017 Jan 25. PubMed PMID: 28121430.		
Rodríguez-Serrano F, Mut-Salud N, Cruz-Bustos T, Gomez-Samblas M, Carrasco E, Garrido JM, López-Jaramillo FJ, Santoyo-Gonzalez F, Osuna A. Functionalized immunostimulating complexes with protein A via lipid vinyl sulfones to deliver cancer drugs to trastuzumab-resistant HER2-overexpressing breast cancer cells. <i>Int J Nanomedicine.</i> 2016 Sep 19;11:4777-4785. eCollection 2016. PubMed PMID: 27698563; PubMed Central PMCID: PMC5034911.	31	261
Carrasco E, Garrido JM, Álvarez PJ, Álvarez-Manzaneda E, Chahboun R, Messouri I, Melguizo C, Aránega A, Rodríguez-Serrano F. Meroxest improves the prognosis of immunocompetent C57BL/6 mice with allografts of E0771 mouse breast tumor cells. <i>Arch Med Sci.</i> 2016 Oct 1;12(5):919-927. Epub 2016 Mar 31. PubMed PMID: 27695480; PubMed Central PMCID: PMC5016567.	46	155
Mut-Salud N, Álvarez PJ, Garrido JM, Carrasco E, Aránega A, Rodríguez-Serrano F. Antioxidant Intake and Antitumor Therapy: Toward Nutritional Recommendations for Optimal Results. <i>Oxid Med Cell Longev.</i> 2016;2016:6719534. doi: 10.1155/2016/6719534. Epub 2015 Nov 22. Review. PubMed PMID: 26682013; PubMed Central PMCID: PMC4670692.	56	190
Chayboun I, Boulifa E, Mansour AI, Rodríguez-Serrano F, Carrasco E, Alvarez PJ, Chahboun R, Alvarez-Manzaneda E. First enantiospecific syntheses of marine merosesquiterpenes neopetrosiquinones a and B: evaluation of biological activity. <i>J Nat Prod.</i> 2015 May 22;78(5):1026-36. doi: 10.1021/np500975b. Epub 2015 Apr 23. PubMed PMID: 25906329.	25	209
Villagrasa A, Álvarez PJ, Osuna A, Garrido JM, Aránega A, Rodríguez-Serrano F. Exosomes Derived from Breast Cancer Cells, Small Trojan Horses? <i>J Mammary Gland Biol Neoplasia.</i> 2014 Dec;19(3-4):303-13. doi: 10.1007/s10911-015-9332-5. Epub 2015 Jul 1. Review. PubMed PMID: 26130410.	9	83
López Regalado ML, Clavero A, Gonzalvo MC, Serrano M, Martínez L, Mozas J, Rodríguez-Serrano F, Fontes J, Romero B, Castilla JA. Cumulative live birth rate after two single frozen embryo transfers (eSFET) versus a double frozen embryo	42	79

transfer (DFET) with cleavage stage embryos: a retrospective cohort study. <i>J Assist Reprod Genet.</i> 2014 Dec;31(12):1621-7. doi: 10.1007/s10815-014-0346-5. Epub 2014 Sep 30. PubMed PMID: 25267163; PubMed Central PMCID: PMC4250464.		
López-Regalado ML, Clavero A, Gonzalvo MC, Serrano M, Martínez L, Mozas J, Rodríguez-Serrano F, Fontes J, Castilla JA. Randomised clinical trial comparing elective single-embryo transfer followed by single-embryo cryotransfer versus double embryo transfer. <i>Eur J Obstet Gynecol Reprod Biol.</i> 2014 Jul;178:192-8. doi: 10.1016/j.ejogrb.2014.04.009. Epub 2014 Apr 19. PubMed PMID: 24798072.	44	79
Carrasco E, Alvarez PJ, Prados J, Melguizo C, Rama AR, Aránega A, Rodríguez-Serrano F. Cancer stem cells and their implication in breast cancer. <i>Eur J Clin Invest.</i> 2014 Jul;44(7):678-87. doi: 10.1111/eci.12276. Epub 2014 May 22. Review. PubMed PMID: 24766664.	30	154
Carrasco E, Álvarez PJ, Melguizo C, Prados J, Álvarez-Manzaneda E, Chahboun R, Messouri I, Vázquez-Vázquez MI, Aránega A, Rodríguez-Serrano F. Novel merosesquiterpene exerts a potent antitumor activity against breast cancer Cells in vitro and in vivo. <i>Eur J Med Chem.</i> 2014 May 22;79:1-12. doi: 10.1016/j.ejmech.2014.03.071. Epub 2014 Mar 25. PubMed PMID: 24704691.	4	59
Álvarez P, Boulaiz H, Vélez C, Rodríguez-Serrano F, Ortiz R, Melguizo C, Carrillo E, Martínez-Amat A, Prados J. Qualitative and quantitative analyses of anatomists' research: evaluation of multidisciplinary and trends in scientific production. <i>Scientometrics.</i> 2014;98(1):447-456. doi: 10.1007/s11192-013-1006-8.	21	102
Prados J, Melguizo C, Ortiz R, Perazzoli G, Cabeza L, Alvarez PJ, Rodriguez-Serrano F, Aranega A. Colon cancer therapy: recent developments in nanomedicine to improve the efficacy of conventional chemotherapeutic drugs. <i>Anticancer Agents Med Chem.</i> 2013 Oct;13(8):1204-16. Review. PubMed PMID: 23574385.	22	58
Melguizo C, Prados J, Luque R, Ortiz R, Rama AR, Caba O, Rodríguez-Serrano F, Álvarez PJ, Aránega A. Modulation of multidrug resistance gene expression in peripheral blood mononuclear cells of lung cancer patients and evaluation of their clinical significance. <i>Cancer Chemother Pharmacol.</i> 2013 Feb;71(2):537-41. doi: 10.1007/s00280-012-2036-2. Epub 2012 Nov 24. PubMed PMID: 23178957.	107	256

Robles-Fernández I, Rodríguez-Serrano F, Álvarez PJ, Ortiz R, Rama AR, Prados J, Melguizo C, Álvarez-Manzaneda E, Aránega A. Antitumor properties of natural compounds and related molecules. <i>Recent Pat Anticancer Drug Discov.</i> 2013 Sep;8(3):203-15. Review. PubMed PMID: 23157341.	87	256
Ortiz R, Prados J, Melguizo C, Rama AR, Alvarez PJ, Rodríguez-Serrano F, Caba O, Boulaiz H, Aranega A. Gef gene therapy enhances the therapeutic efficacy of cytotoxics in colon cancer cells. <i>Biomed Pharmacother.</i> 2012 Oct;66(7):563-7. doi: 10.1016/j.biopha.2012.05.004. Epub 2012 Jun 19. PubMed PMID: 22770988.	145	261
Melguizo C, Prados J, González B, Ortiz R, Concha A, Alvarez PJ, Madeddu R, Perazzoli G, Oliver JA, López R, Rodríguez-Serrano F, Aránega A. MGMT promoter methylation status and MGMT and CD133 immunohistochemical expression as prognostic markers in glioblastoma patients treated with temozolomide plus radiotherapy. <i>J Transl Med.</i> 2012 Dec 17;10:250. doi: 10.1186/1479-5876-10-250. PubMed PMID: 23245659; PubMed Central PMCID: PMC3551841.	36	121
Prados J, Alvarez PJ, Melguizo C, Rodriguez-Serrano F, Carrillo E, Boulaiz H, Vélez C, Marchal JA, Caba O, Ortiz R, Rama A, Aranega A. How is gene transfection able to improve current chemotherapy? The role of combined therapy in cancer treatment. <i>Curr Med Chem.</i> 2012;19(12):1870-88. Review. PubMed PMID: 22414080.	5	59
Caba O, Rodríguez-Serrano F, Díaz-Gavilán M, Conejo-García A, Ortiz R, Martínez-Amat A, Alvarez P, Gallo MA, Campos JM, Marchal JA, Aránega A. The selective cytotoxic activity in breast cancer cells by an anthranilic alcohol-derived acyclic 5-fluorouracil O,N-acetal is mediated by endoplasmic reticulum stress-induced apoptosis. <i>Eur J Med Chem.</i> 2012 Apr;50:376-82. doi: 10.1016/j.ejmech.2012.02.017. Epub 2012 Feb 17. PubMed PMID: 22373735.	13	59
Ortiz R, Melguizo C, Prados J, Álvarez PJ, Caba O, Rodríguez-Serrano F, Hita F, Aránega A. New gene therapy strategies for cancer treatment: a review of recent patents. <i>Recent Pat Anticancer Drug Discov.</i> 2012 Sep;7(3):297-312. Review. PubMed PMID: 22339358.	96	261
Álvarez P, Marchal JA, Boulaiz H, Carrillo E, Vélez C, Rodríguez-Serrano F, Melguizo C, Prados J, Madeddu R, Aranega A. 5-Fluorouracil derivatives: a patent review. <i>Expert Opin Ther</i>	2	16

Pat. 2012 Feb;22(2):107-23. doi: 10.1517/13543776.2012.661413. Epub 2012 Feb 14. PMID: 22329541		
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JOSÉ LUIS ARIAS MEDIANO

Publicación	Posición de revista en el área	Total revistas en el área
Arias JL. Liposomes in drug delivery: a patent review (2007 - present). Expert Opin Ther Pat. 2013 Nov;23(11):1399-414. doi: 10.1517/13543776.2013.828035. Epub 2013 Aug 19. Review. PubMed PMID: 23957267.	57	256
Prados J, Melguizo C, Roldan H, Alvarez PJ, Ortiz R, Arias JL, Aranega A. RNA interference in the treatment of colon cancer. BioDrugs. 2013 Aug;27(4):317-27. doi: 10.1007/s40259-013-0019-4. Review. PubMed PMID: 23553339.	140	256
Clares B, Biedma-Ortiz RA, Sáez-Fernández E, Prados JC, Melguizo C, Cabeza L, Ortiz R, Arias JL. Nano-engineering of 5-fluorouracil-loaded magnetoliposomes for combined hyperthermia and chemotherapy against colon cancer. Eur J Pharm Biopharm. 2013 Nov;85(3 Pt A):329-38. doi: 10.1016/j.ejpb.2013.01.028. Epub 2013 Feb 26. PubMed PMID: 23485475.	30	256
Martín-Banderas L, Muñoz-Rubio I, Álvarez-Fuentes J, Durán-Lobato M, Arias JL, Holgado MÁ, Fernández-Arévalo M. Engineering of Δ^9 -tetrahydrocannabinol delivery systems based on surface modified-PLGA nanoplatforms. Colloids Surf B Biointerfaces. 2014 Nov 1;123:114-22. doi: 10.1016/j.colsurfb.2014.09.002. Epub 2014 Sep 16. PubMed PMID: 25262411.	45	256
Martín-Banderas L, Muñoz-Rubio I, Álvarez-Fuentes J, Durán-Lobato M, Arias JL, Holgado MÁ, Fernández-Arévalo M. Engineering of Δ^9 -tetrahydrocannabinol delivery systems based on surface modified-PLGA nanoplatforms. Colloids Surf B Biointerfaces. 2014 Nov 1;123:114-22. doi: 10.1016/j.colsurfb.2014.09.002. Epub 2014 Sep 16. PubMed PMID: 25262411.	34	139
Arias JL, Unciti-Broceta JD, Maceira J, Del Castillo T, Hernández-Quero J, Magez S, Soriano M, García-Salcedo JA. Nanobody conjugated PLGA nanoparticles for active targeting of African Trypanosomiasis. J Control Release. 2015 Jan	9	255

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El-Hammadi MM, Arias JL. Nano-sized platforms for vaginal drug delivery. <i>Curr Pharm Des.</i> 2015;21(12):1633-44. Review. PubMed PMID: 25354177	74	255
Cabeza L, Ortiz R, Arias JL, Prados J, Ruiz Martínez MA, Entrena JM, Luque R, Melguizo C. Enhanced antitumor activity of doxorubicin in breast cancer through the use of poly(butylcyanoacrylate) nanoparticles. <i>Int J Nanomedicine.</i> 2015 Feb 13;10:1291-306. doi: 10.2147/IJN.S74378. eCollection 2015. PubMed PMID: 25709449; PubMed Central PMCID: PMC4335619.	41	255
El-Hammadi MM, Arias JL. Iron oxide-based multifunctional nanoparticulate systems for biomedical applications: a patent review (2008 - present). <i>Expert Opin Ther Pat.</i> 2015 Jun;25(6):691-709. doi: 10.1517/13543776.2015.1028358. Epub 2015 Mar 23. Review. PubMed PMID: 25800416.	31	255
Martín-Banderas L, Muñoz-Rubio I, Prados J, Álvarez-Fuentes J, Calderón-Montaño JM, López-Lázaro M, Arias JL, Leiva MC, Holgado MA, Fernández-Arévalo M. In vitro and in vivo evaluation of Δ^9 -tetrahydrocannabinol/PLGA nanoparticles for cancer chemotherapy. <i>Int J Pharm.</i> 2015 Jun 20;487(1-2):205-12. doi: 10.1016/j.ijpharm.2015.04.054. Epub 2015 Apr 18. PubMed PMID: 25899283.	44	255
Unciti-Broceta JD, Arias JL, Maceira J, Soriano M, Ortiz-González M, Hernández-Quero J, Muñoz-Torres M, de Koning HP, Magez S, Garcia-Salcedo JA. Specific Cell Targeting Therapy Bypasses Drug Resistance Mechanisms in African Trypanosomiasis. <i>PLoS Pathog.</i> 2015 Jun 25;11(6):e1004942. doi: 10.1371/journal.ppat.1004942. eCollection 2015 Jun. PubMed PMID: 26110623; PubMed Central PMCID: PMC4482409.	12	123
Melguizo C, Cabeza L, Prados J, Ortiz R, Caba O, Rama AR, Delgado ÁV, Arias JL. Enhanced antitumoral activity of doxorubicin against lung cancer cells using biodegradable poly(butylcyanoacrylate) nanoparticles. <i>Drug Des Devel Ther.</i> 2015 Dec 14;9:6433-44. doi: 10.2147/DDDT.S92273. eCollection 2015. PubMed PMID: 26715840; PubMed Central PMCID: PMC4686228.	84	255

Ortiz R, Cabeza L, Arias JL, Melguizo C, Álvarez PJ, Vélez C, Clares B, Áranega A, Prados J. Poly(butylcyanoacrylate) and Poly(ϵ -caprolactone) Nanoparticles Loaded with 5-Fluorouracil Increase the Cytotoxic Effect of the Drug in Experimental Colon Cancer. AAPS J. 2015 Jul;17(4):918-29. doi: 10.1208/s12248-015-9761-5. Epub 2015 Apr 17. PubMed PMID: 25894746; PubMed Central PMCID: PMC4476991.	50	255
Muñoz de Escalona M, Sáez-Fernández E, Prados JC, Melguizo C, Arias JL. Magnetic solid lipid nanoparticles in hyperthermia against colon cancer. Int J Pharm. 2016 May 17;504(1-2):11-9. doi: 10.1016/j.ijpharm.2016.03.005. Epub 2016 Mar 8. PubMed PMID: 26969080.	56	257
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Megías R, Arco M, Ciriza J, Saenz Del Burgo L, Puras G, López-Viota M, Delgado ÁV, Dobson JP, Arias JL, Pedraz JL. Design and characterization of a magnetite/PEI multifunctional nanohybrid as non-viral vector and cell isolation system. Int J Pharm. 2017 Feb 25;518(1-2):270-280. doi: 10.1016/j.ijpharm.2016.12.042. Epub 2016 Dec 21. PubMed PMID: 28011343.	56	257
Cabeza L, Ortiz R, Prados J, Delgado ÁV, Martín-Villena MJ, Clares B, Perazzoli G, Entrena JM, Melguizo C, Arias JL. Improved antitumor activity and reduced toxicity of doxorubicin encapsulated in poly(ϵ -caprolactone)nanoparticles in lung and breast cancer treatment: An in vitro and in vivo study. Eur J Pharm Sci. 2017 May 1;102:24-34. doi: 10.1016/j.ejps.2017.02.026. Epub 2017 Feb 17. PubMed PMID: 28219748.	54	257
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Magnetite/Poly(butylcyanoacrylate) Nanoparticles for Magnetic Targeted Delivery of Cancer Drugs. AAPS PharmSciTech. 2017 Nov;18(8):3042-3052. doi:10.1208/s12249-017-0792-3. Epub 2017 May 15. PubMed PMID: 28508129.		
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CONSOLACIÓN MELGUIZO ALONSO

Publicación	Posición de revista en el área	Total revistas en el área
Ortiz R, Prados J, Melguizo C, Arias JL, Ruiz MA, Alvarez PJ, Caba O, LuqueR, Segura A, Aránega A. 5-Fluorouracil-loaded poly(ϵ -caprolactone) nanoparticles combined with phage E gene therapy as a new strategy against colon cancer. Int J Nanomedicine. 2012;7:95-107. doi: 10.2147/IJN.S26401. Epub 2012 Jan 9. PubMed PMID: 22275826; PubMed Central PMCID: PMC3260954.	60	261
Álvarez P, Marchal JA, Boulaiz H, Carrillo E, Vélez C, Rodríguez-Serrano F, Melguizo C, Prados J, Madeddu R, Aranega A. 5-Fluorouracil derivatives: a patent review. Expert OpinT her Pat. 2012 Feb;22(2):107-23. doi:10.1517/13543776.2012.661413. Epub 2012 Feb 14. Review. PubMed PMID: 22329541.	56	261
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Ortiz R, Prados J, Melguizo C, Rama AR, Alvarez PJ, Rodríguez-Serrano F, CabaO, Boulaiz H, Aranega A. Gef gene therapy enhances the therapeutic	69	261

<p>efficacy of cytotoxics in colon cancer cells. Biomed Pharmacother. 2012 Oct;66(7):563-7. doi:10.1016/j.biopha.2012.05.004. Epub 2012 Jun 19. PubMed PMID: 22770988.</p>		
<p>Berdasco M, Melguizo C, Prados J, Gómez A, Alaminos M, Pujana MA, Lopez M, Setien F, Ortiz R, Zafra I, Aranega A, Esteller M. DNA methylation plasticity of human adipose-derived stem cells in lineage commitment. Am J Pathol. 2012Dec;181(6):2079-93. doi: 10.1016/j.ajpath.2012.08.016. Epub 2012 Sep 29. PubMed PMID: 23031258.</p>	10	77
<p>Robles-Fernández I, Rodríguez-Serrano F, Álvarez PJ, Ortiz R, Rama AR, Prados J, Melguizo C, Álvarez-Manzaneda E, Aránega A. Antitumor properties of natural compounds and related molecules. Recent Pat Anticancer Drug Discov. 2013Sep;8(3):203-15. Review. PubMed PMID: 23157341.</p>	35	255
<p>Melguizo C, Prados J, Luque R, Ortiz R, Rama AR, Caba O, Rodríguez-Serrano F, Álvarez PJ, Aránega A. Modulation of multidrug resistance gene expression in peripheral blood mononuclear cells of lung cancer patients and evaluation of their clinical significance. Cancer Chemother Pharmacol. 2013 Feb;71(2):537-41. doi: 10.1007/s00280-012-2036-2. Epub 2012 Nov 24. PubMed PMID: 23178957.</p>	107	256
<p>Martín-Banderas L, Alvarez-Fuentes J, Durán-Lobato M, Prados J, Melguizo C, Fernández-Arévalo M, Holgado MÁ. Cannabinoid derivate-loaded PLGA nanocarriers for oral administration: formulation, characterization, and cytotoxicity studies. Int J Nanomedicine. 2012;7:5793-806. doi: 10.2147/IJN.S34633. Epub 2012 Nov 23. PubMed PMID: 23209365; PubMed Central PMCID: PMC3511186.</p>	60	261
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<p>Oliver JA, Ortiz R, Melguizo C, Alvarez PJ, Gómez-Millán J, Prados J. Prognostic impact of MGMT promoter methylation and MGMT and CD133 expression in colorectal adenocarcinoma. BMC Cancer. 2014 Jul 11;14:511. doi:10.1186/1471-2407-14-511. PubMed PMID: 25015560; PubMed Central PMCID:PMC4227111.</p>	81	211
<p>Caba O, Prados J, Ortiz R, Jiménez-Luna C, Melguizo C, Alvarez PJ, DelgadoJR, Irigoyen A, Rojas I, Pérez-Florido J, Torres C, Perales S, Linares A, AránegaA. Transcriptional profiling of peripheral blood in pancreatic adenocarcinoma patients identifies diagnostic biomarkers. Dig Dis Sci. 2014 Nov;59(11):2714-20. doi: 10.1007/s10620-014-3291-3. Epub 2014 Jul 29. PubMed PMID: 25069573.</p>	38	76
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Melguizo C, Prados J, Luque R, Ortiz R, Rama AR, Caba O, Rodríguez-Serrano F, Álvarez PJ, Aránega A. Modulation of multidrug resistance gene expression in peripheral blood mononuclear cells of lung cancer patients and evaluation of their clinical significance. <i>Cancer Chemother Pharmacol.</i> 2013 Feb;71(2):537-41. doi: 10.1007/s00280-012-2036-2. Epub 2012 Nov 24. PubMed PMID: 23178957.	107	256
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Martín-Banderas L, Sáez-Fernández E, Holgado MÁ, Durán-Lobato MM, Prados JC, Melguizo C, Arias JL. Biocompatible gemcitabine-based nanomedicine engineered by Flow Focusing for efficient antitumor activity. <i>Int J Pharm</i> . 2013 Feb 25;443(1-2):103-9. doi: 10.1016/j.ijpharm.2012.12.048. Epub 2013 Jan 5. PubMed PMID: 23299085.	44	256
Melguizo C, Prados J, Luque R, Ortiz R, Caba O, Alvarez PJ, Gonzalez B, Aranega A. Modulation of MDR1 and MRP3 gene expression in lung cancer cells after paclitaxel and carboplatin exposure. <i>Int J Mol Sci</i> . 2012 Dec 5;13(12):16624-35. doi: 10.3390/ijms131216624. PubMed PMID: 23443122; PubMed Central PMCID: PMC3546711.	49	261
Clares B, Biedma-Ortiz RA, Sáez-Fernández E, Prados JC, Melguizo C, Cabeza L, Ortiz R, Arias JL. Nano-engineering of 5-fluorouracil-loaded magnetoliposomes for combined hyperthermia and chemotherapy against colon cancer. <i>Eur J Pharm Biopharm</i> . 2013 Nov;85(3 Pt A):329-38. doi: 10.1016/j.ejpb.2013.01.028. Epub 2013 Feb 26. PubMed PMID: 23485475.	30	256
Prados J, Melguizo C, Roldan H, Alvarez PJ, Ortiz R, Arias JL, Aranega A. RNA interference in the treatment of colon cancer. <i>BioDrugs</i> . 2013 Aug;27(4):317-27. doi:10.1007/s40259-013-0019-4. Review. PubMed PMID: 23553339.	99	211
Prados J, Melguizo C, Ortiz R, Perazzoli G, Cabeza L, Alvarez PJ, Rodriguez-Serrano F, Aranega A. Colon cancer therapy: recent developments in nanomedicine to improve the efficacy of conventional chemotherapeutic drugs. <i>Anticancer Agents Med Chem</i> . 2013 Oct;13(8):1204-16. Review.	85	203

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Boulaiz H, Aránega A, Cáceres B, Alvarez P, Serrano-Rodríguez F, Carrillo E, Melguizo C, Prados J. A novel double-enhanced suicide gene therapy in a coloncancer cell line mediated by gef and apoptin. <i>BioDrugs.</i> 2014 Feb;28(1):63-74. doi: 10.1007/s40259-013-0055-0. Erratum in: <i>BioDrugs.</i> 2014 Feb;28(1):121.	99	211
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Carrasco E, Alvarez PJ, Prados J, Melguizo C, Rama AR, Aránega A, Rodríguez-Serrano F. Cancer stem cells and the implication in breast cancer. <i>Eur J Clin Invest.</i> 2014 Jul;44(7):678-87. doi: 10.1111/eci.12276. Epub 2014 May 22. Review. PubMed PMID: 24766664.	30	154
Oliver JA, Ortiz R, Melguizo C, Alvarez PJ, Gómez-Millán J, Prados J. Prognostic impact of MGMT promoter methylation and MGMT and CD133 expression in colorectal adenocarcinoma. <i>BMC Cancer.</i> 2014 Jul 11;14:511. doi:10.1186/1471-2407-14-511. PubMed PMID: 25015560; PubMed Central PMCID:PMC4227111.	81	211
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<p>Ortiz R, Cabeza L, Arias JL, Melguizo C, Álvarez PJ, Vélez C, Clares B, Áranega A, Prados J. Poly(butylcyanoacrylate) and Poly(ε-caprolactone) Nanoparticles Loaded with 5-Fluorouracil Increase the Cytotoxic Effect of the Drug in Experimental Colon Cancer. <i>AAPS J</i>. 2015 Jul;17(4):918-29. doi:10.1208/s12248-015-9761-5. Epub 2015 Apr 17. PubMed PMID: 25894746; PubMedCentral PMCID: PMC4476991.</p>	50	255
<p>Rama AR, Hernandez R, Perazzoli G, Burgos M, Melguizo C, Vélez C, Prados J. Specific Colon Cancer Cell Cytotoxicity Induced by Bacteriophage E Gene Expression under Transcriptional Control of Carcinoembryonic Antigen Promoter. <i>Int J Mol Sci</i>. 2015 Jun 4;16(6):12601-15. doi: 10.3390/ijms160612601. PubMed PMID: 26053394; PubMed Central PMCID: PMC4490463.</p>	110	289
<p>Farace C, Oliver JA, Melguizo C, Alvarez P, Bandiera P, Rama AR, Malaguarnera G, Ortiz R, Madeddu R, Prados J. Microenvironmental Modulation of Decorin and Lumican in Temozolomide-Resistant Glioblastoma and Neuroblastoma Cancer Stem-Like Cells. <i>PLoS One</i>. 2015 Jul 31;10(7):e0134111. doi:10.1371/journal.pone.0134111. eCollection 2015. PubMed PMID: 26230845; PubMed Central PMCID: PMC4521885.</p>	11	63
<p>Perazzoli G, Prados J, Ortiz R, Caba O, Cabeza L, Berdasco M, González B, Melguizo C. Temozolomide Resistance in Glioblastoma Cell Lines: Implication of MGMT, MMR, P-Glycoprotein and CD133 Expression. <i>PLoS One</i>. 2015 Oct 8;10(10):e0140131. doi: 10.1371/journal.pone.0140131. eCollection 2015. PubMed PMID: 26447477; PubMed Central PMCID: PMC4598115.</p>	11	63
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Publicación	Posición de revista en el área	Total revistas en el área
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Alvarado HL, Calpena AC, Garduno-Ramirez ML, Ortiz R, Melguizo C, Prados JM, Clares B. Nanoemulsion strategy for ursolic and oleanic acids isolates from <i>Plumeria obtusa</i> improves antioxidant and cytotoxic activity in melanoma cells. <i>Anticancer Agents Med Chem</i> . 2018 Jan 11. doi: 10.2174/1871520618666180111151846. [Epub ahead of print] PubMed PMID: 29332602.	30	60
Lorente C, Arias JL, Cabeza L, Ortiz R, Prados JC, Melguizo C, Delgado ÁV, Clares-Naveros B. Nano-engineering of biomedical prednisolone liposomes: evaluation of the cytotoxic effect on human colon carcinoma cell lines. <i>J Pharm Pharmacol</i> . 2018 Apr;70(4):488-497. doi: 10.1111/jphp.12882. Epub 2018 Jan 30. PubMed PMID: 29380384.	146	261
Jimenez-Luna C, Torres C, Ortiz R, Dieguez C, Martinez-Galan J, Melguizo C, Prados JC, Caba O. Proteomic biomarkers in body fluids associated with pancreatic cancer. <i>Oncotarget</i> . 2018 Mar 27;9(23):16573-16587. doi:10.18632/oncotarget.24654. eCollection 2018 Mar 27. Review. PubMed PMID: 29662668; PubMed Central PMCID: PMC5893263.	44	217

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Publicación	Posición de revista en el área	Total revistas en el área
Hernández-Jiménez J, Salmerón-García A, Cabeza J, Vélez C, Capitán-Vallvey LF, Navas N. The Effects of Light-Accelerated Degradation on the Aggregation of Marketed Therapeutic Monoclonal Antibodies Evaluated by Size-Exclusion Chromatography With Diode Array Detection. <i>J Pharm Sci</i> . 2016 Apr;105(4):1405-18. doi: 10.1016/j.xphs.2016.01.012. Epub 2016 Mar 4. PubMed PMID: 26952878.		
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<p>Nanoparticles Loaded with 5-Fluorouracil Increase the Cytotoxic Effect of the Drug in Experimental Colon Cancer. <i>AAPS J.</i> 2015 Jul;17(4):918-29. doi: 10.1208/s12248-015-9761-5. Epub 2015 Apr 17. PubMed PMID: 25894746; PubMed Central PMCID: PMC4476991.</p>		
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<p>Prados J, Melguizo C, Ortiz R, Vélez C, Alvarez PJ, Arias JL, Ruíz MA, Gallardo V, Aranega A. Doxorubicin-loaded nanoparticles: new advances in breast cancer therapy. <i>Anticancer Agents Med Chem.</i> 2012 Nov;12(9):1058-70. Review. PubMed PMID: 22339066.</p>		
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