

JUAN MANUEL CUERVA CARVAJAL

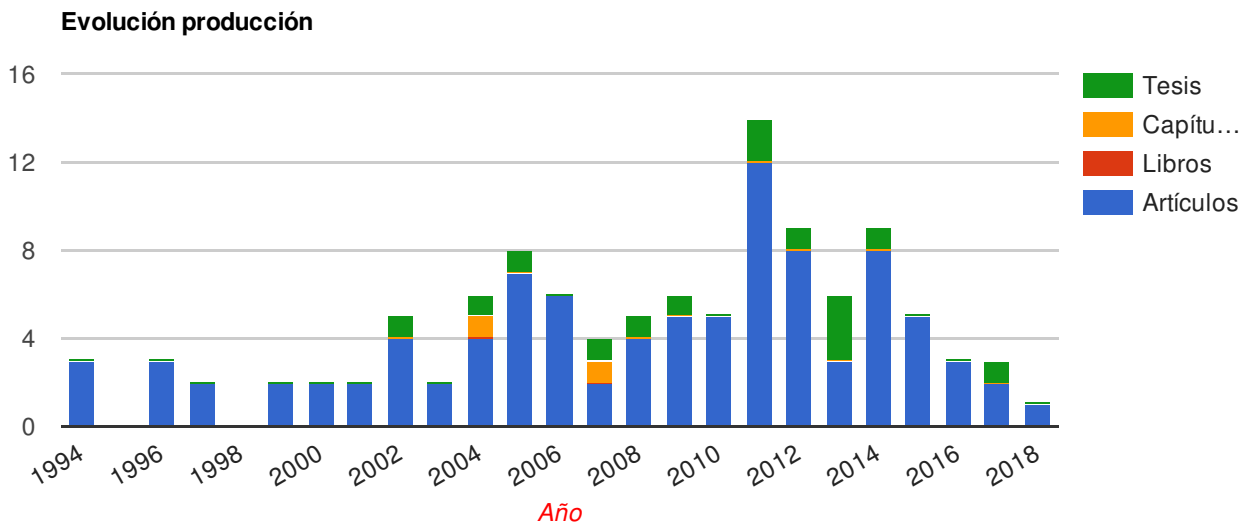
Grupo de Investigación: **MATERIALES ORGÁNICOS FUNCIONALES** (Cod.: FQM367)
 Departamento: Universidad de Granada. Química Orgánica
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 Código ORCID: <http://orcid.org/0000-0001-6896-9617>
 RG: https://www.researchgate.net/profile/Juan_Cuerva
 Correo electrónico: jmcuerva@ugr.es
 Código: 30157



Ficha del Directorio

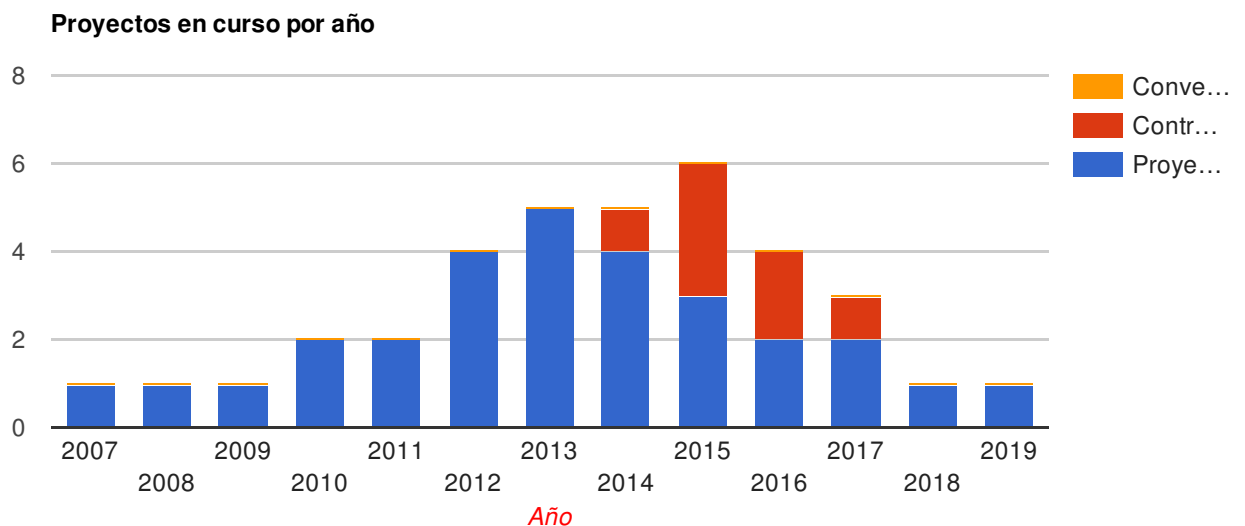
Producción 111

Artículos (95) Libros (0) Capítulos de Libros (2) Tesis dirigidas (14)



Proyectos dirigidos 11

Proyectos (8) Contratos (3) Convenios (0)



Actividades 0

Titulo publicación	Fuente	Tipo	Fecha
A red-emitting, multidimensional sensor for the simultaneous cellular imaging of biothiols and phosphate ions	Sensors	Articulo	2018
Desarrollo de nuevas metodologías sintéticas utilizando sistemas multimetalicos	Universidad de granada	Tesis doctoral	2017
Efficient acetate sensor in biological media based on a selective excited state proton transfer (espt) reaction	Sensors and actuators b: chemical	Articulo	2017
Versatile synthesis and enlargement of functionalized distorted heptagon-containing nanographenes	Chemical science	Articulo	2017
Amide-substituted titanocenes in hydrogen-atom transfer catalysis		Articulo	2016
Stapled helical o-ope foldamers as new circularly polarized luminescence emitters based on carbophilic interactions with ag(i)-sensitivity	Chemical science	Articulo	2016
Synthesis of substituted alpha- and gamma-lactams based on titanocene(iii)-catalyzed radical cyclizations of trichloroacetamides	Rsc advances: an international journal to further the chemical sciences	Articulo	2016
Development of a new dual polarity and viscosity probe based on the foldamer concept	Organic letters	Articulo	2015
Influence of the chirality of short peptide supramolecular hydrogels in protein crystallogenesis	Chemical communications	Articulo	2015
Photophysics of a live-cell-marker, red silicon-substituted xanthene dye	The journal of physical chemistry part a: molecules, spectroscopy, kinetics, environment and general theory	Articulo	2015
Toward multiple conductance pathways with heterocycle-based oligo(phenyleneethynylene) derivatives	Journal of the american chemical society	Articulo	2015
Two-dimensional carbon-based conductive materials with dynamically controlled asymmetric dirac cones	Physical chemistry chemical physics	Articulo	2015
Cp2tictl-catalyzed highly stereoselective intramolecular epoxide allylation using allyl carbonates	Organic chemistry frontiers	Articulo	2014
Diseño y síntesis de productos naturales y dispositivos moleculares	Universidad de granada	Tesis doctoral	2014
Highly regioselective and chemoselective titanocene mediated barbier-type allylation reactions	Chemical communications	Articulo	2014
Novel ortho-ope metallofoldamers: binding-induced folding promoted by nucleating ag(i)-alkyne interactions	Chemical science	Articulo	2014
Rational design of a new fluorescent on/off xanthene dye for phosphate detection in live cells	Organic and biomolecular chemistry	Articulo	2014
Recent applications of cp2tictl in natural product synthesis	Organic frontier	Articulo	2014
Synthesis and photophysics of a new family of fluorescent 9-alkyl-substituted xanthenones	Chemistry (weinheim. internet)	Articulo	2014
Ti(iii)-catalyzed cyclizations of ketoepoxypolyprenes: control over the number of rings and unexpected stereoselectivities	Journal of the american chemical society	Articulo	2014
Ti/ni-mediated inter and intramolecular conjugate addition of aryl and alkenyl halides and triflates		Articulo	2014
Desarrollo de reacciones de formación de enlaces carbono-carbono mediadas por complejos de titanio(iii) y estudio físico-químico de nuevos derivados xanténicos		Tesis doctoral	2013
Dichlorobis(cyclopentadienyl)titanium	Eros encyclopedia of reagents	Articulo	2013
Diseño, síntesis y evaluación de estructuras bidimensionales orgánicas como nuevos dispositivos en electrónica molecular	Universidad de granada	Tesis doctoral	2013
Nuevas aplicaciones de la química del titanoceno(iii): reducción			

Nuevas aplicaciones de la química del titanoceno(III), reducción de radicales carbonados y síntesis bioinspirada de esqueletos terpénicos	Universidad de granada	Tesis doctoral	2013
The role of water-based hydrogen atom wires in long range electron transfer reactions in aqueous media for the fe(ii)-fe(iii) self-exchange and related systems	Chemistry european journal	Articulo	2013
Titanocene(iii)-catalyzed 6-exo versus 7-endo cyclizations of epoxypolyprenes: efficient control and synthesis of versatile terpenic building blocks	Chemistry (weinheim. internet)	Articulo	2013
Clarifying the structure of granadaene: total synthesis of related analogue [2]-granadaene and confirmation of its absolute stereochemistry	Bioorganic and medicinal chemistry	Articulo	2012
Combining the power of tiii-mediated processes for an easy access to hydroxylated polycyclic terpenoids. synthesis of sesterstatin 1 and c-d rings of aspergilloxide	Chemistry (weinheim. internet)	Articulo	2012
Desarrollo y aplicaciones de nuevos métodos de síntesis basados en sistemas multimetálicos, combinando química organometálica y de radicales libres		Tesis doctoral	2012
H ₂ O-activation for hat: correct structures and revised mechanisms	Angew. chem. int. ed.	Articulo	2012
Influence of the number of anchoring groups on the electronic and mechanical properties of benzene-, anthracene- and pentacene-based molecular devices		Articulo	2012
Thermal-driven nanofuses based on organometallic rotors	Chemphyschem	Articulo	2012
Ti/nI based multimetallic system for the efficient allylation of carbonyl compounds	European journal of organic chemistry	Articulo	2012
Versatile bottom-up approach to stapled pi-conjugated helical scaffolds: synthesis and chiroptical properties of cyclic o-phenylene ethynylene oligomers	Angewandte chemie (international ed. print)	Articulo	2012
Water control over the chemoselectivity of ti/nI multimetallic system: heck- or reductive-type cyclization reactions of alkyl iodides	Organic letters	Articulo	2012
Conductance and application of organic molecule pairs as nanofuses	Physical review b: covering condensed matter and materials physics	Articulo	2011
Desarrollo de nuevas reacciones de pinacolización y de adición a grupos carbonilo mediadas y/o catalizadas por titanoceno(iii). aproximación a la síntesis de granadaeno.	Universidad de granada. química orgánica	Tesis doctoral	2011
Diseño, síntesis y evaluación de nuevos dispositivos en electrónica molecular basados en el carbono. nuevas reacciones de formación de enlaces carbono carbono catalizadas por boro	Universidad de granada. química orgánica	Tesis doctoral	2011
On/off electrochemical switches based on quinone-bis(ketals).	Chemical communications	Articulo	2011
Organic-based molecular switches for molecular electronics	Nanoscale	Articulo	2011
Organic-based molecular switches for molecular electronics		Articulo	2011
Reduction reactions in water, supercritical co ₂ and ionic liquids as green solvents	ChemSuschem	Articulo	2011
Ti/pd bimetallic systems for the efficient allylation of carbonyl compounds and homocoupling reactions.	Chemistry (weinheim. internet)	Articulo	2011
Titanium/palladium-mediated regioselective propargylation of ketones using propargylic carbonates as pronucleophiles	Advanced synthesis & catalysis	Articulo	2011
Titanocene(iii)-promoted barbier-type crotylation of carbonyl compounds	Journal of organic chemistry	Articulo	2011
Titanocene(iii)-promoted barbier-type crotylation of carbonyl	Journal of organic chemistry	Articulo	2011

compounds.			
Ti/pd-promoted intramolecular michael-type addition of allylic carboxylates to activated alkenes	Chem. commun.	Articulo	2011
Ti/pd-promoted intramolecular michael-type addition of allylic carboxylates to activated alkenes	Chemical communications	Articulo	2011
Water-based hydrogen-atom wires as mediators in long-range proton-coupled electron transfer in enzymes: a new twist on water reactivity	Chemistry (weinheim. internet)	Articulo	2011
Mn(0)-mediated chemoselective reduction of aldehydes. application to the synthesis of alpha-deuterioalcohols.	Journal of organic chemistry	Articulo	2010
Radical reduction of epoxides using a titanocene(iii)/water system: synthesis of α -deuterated alcohols and their use as internal standards in food analysis.	European journal of organic chemistry	Articulo	2010
Radical reduction of epoxides using titanocene(iii)/water system: synthesis of α -deuterated alcohols and their use as internal standard in food analysis	European journal of organic chemistry	Articulo	2010
Understanding the exceptional hydrogen-atom donor characteristics of water in tiii-mediated free-radical chemistry	Journal of physics and chemistry of solids	Articulo	2010
Unprecedented h-atom transfer from water to ketyl radicals mediated by cp2ticl	Dalton transactions	Articulo	2010
Computational study of a nanoscopic fuse based on organic molecules	Proceedings of the 13 th international workshop on computational electronics 2009	Articulo	2009
Desarrollo y aplicaciones de nuevos métodos de síntesis promovidos y/o catalizados por complejos de titanio.	Universidad de granada. química orgánica	Tesis doctoral	2009
Efficient propargylation of aldehydes and ketones catalyzed by titanocene(iii)	Advanced synthesis & catalysis	Articulo	2009
Mixed disproportionation versus radical trapping in titanocene(iii)-promoted epoxide openings	Tetrahedron	Articulo	2009
Ti-catalyzed barbier-type allylations and related reactions	Chemistry (weinheim. internet)	Articulo	2009
Unexpected ti(iii)/mn-promoted pinacol coupling of ketones	Journal of organic chemistry	Articulo	2009
Divergent titanium-mediated allylations with modulation by nickel or palladium	Angewandte chemie (international ed. print)	Articulo	2008
El agua como fuente de átomos de hidrógeno en síntesis orgánica. nuevos métodos de síntesis basados en sistemas multimetálicos	Universidad de granada. química orgánica	Tesis doctoral	2008
Ti-catalyzed reformatsky-type coupling between alpha-halo, ketones and aldehydes	Journal of organic chemistry	Articulo	2008
Ti-catalyzed transannular cyclization of epoxygermacrolides. synthesis of antifungal (+)-tuberiferine and (+)-dehydrobrachylaenolide	Tetrahedron	Articulo	2008
Titanium-catalyzed enantioselective synthesis of alpha-ambrinol	Advanced synthesis & catalysis	Articulo	2008
Caracterización, síntesis y aplicaciones de metabolitos de especies forestales del rif	Universidad de granada. química orgánica	Tesis doctoral	2007
Sodium tetramethoxyborate: an efficient catalyst for michael additions of stabilized carbon nucleophiles	Journal of organic chemistry	Articulo	2007
Titanocene-catalyzed reduction of ketones in the presence of water. a convenient procedure for the synthesis of alcohols via free-radical chemistry	Catalysts for fine chemical synthesis vol 5: regio- and stereo-controlled oxidations and reductions	Capítulo de libro	2007
Unprecedented hydrogen transfer from water to alkenes and alkynes mediated by ti-iii and late transition metals	Organic letters	Articulo	2007

An improved synthesis of kagan's menthyl substituted titanocene and zirconocene dichloride, comparison of their crystal structures, and preliminary catalyst evaluation	Journal of organometallic chemistry	Articulo	2006
Composition of the essential oil from the seeds of abies marocana	Journal of essential oil research	Articulo	2006
Granadaene: proposed structure of the group b streptococcus polyenic pigment	Applied and environmental microbiology	Articulo	2006
Stereocontrolled coupling between aldehydes and conjugated alkenals mediated by ti-iii/h ₂ o	Organic letters	Articulo	2006
Transition-metal-catalyzed allylic substitution and titanocene-catalyzed epoxyolene cyclization as a powerful tool for the preparation of terpenoids	European journal of organic chemistry	Articulo	2006
Water: the ideal hydrogen-atom source in free-radical chemistry mediated by ti-iii and other single-electron-transfer metals?	Angewandte chemie (international ed. print)	Articulo	2006
7-endo radical cyclizations catalyzed by titanocene(iii). straightforward synthesis of terpenoids with seven-membered carbocycles	Journal of physics and chemistry of solids	Articulo	2005
Aromatic carbonyl compound reduction and pinacol coupling processes mediated by titanocene(iii)/zn in water	Synthesis	Articulo	2005
Bassianolone: an antimicrobial precursor of cephalosporolides e and f from the entomoparasitic fungus beauveria bassiana.	Organic and biomolecular chemistry	Articulo	2005
Composition of the essential oils of cistus ladaniferus and c-monspeliensis from morocco	Journal of essential oil research	Articulo	2005
Desarrollo de nuevos procesos de formación de enlaces c-c catalizados por complejos de titanoceno(iii). identificación, síntesis y biotransformaciones de productos naturales.	Universidad de granada. química orgánica	Tesis doctoral	2005
Enantiospecific strategy towards oxygen-bridged terpenoids: tandem transannular-cyclization and ring-contraction processes	Angewandte chemie (international ed. print)	Articulo	2005
Exploiting pdii and tiii chemistry to obtain gamma-dioxygenated terpenoids: synthesis of rostratone and novel approaches to aphidicolin and pyripyropene a	Journal of organic chemistry	Articulo	2005
Total synthesis of 3-hydroxydrimanes mediated by titanocene(iii) - evaluation of their antifeedant activity	European journal of organic chemistry	Articulo	2005
General approach to polycyclic meroterpenoids based on stille couplings and titanocene catalysis	Journal of organic chemistry	Articulo	2004
Palladium mediated c-h activation in the field of terpenoids: synthesis of rostratone	Tetrahedron letters	Articulo	2004
Reacciones de ciclación de epoxipoliprenos catalizadas por el complejo cp ₂ tiCl. aplicaciones a la síntesis de productos naturales	Universidad de granada. química orgánica	Tesis doctoral	2004
Titanocene-catalysed transannular cyclisation of epoxygermacrolides: enantiospecific synthesis of eudesmanolides	Catalysts for fine chemical synthesis. vol 3. metal catalysed carbon-carbon bond-forming reactions	Capítulo de libro	2004
Titanocene-catalyzed cascade cyclization of epoxyolyprenes: straightforward synthesis of terpenoids by free-radical chemistry	Chemistry (weinheim. internet)	Articulo	2004
Unprecedented barbier-type reactions catalysed by titanocene(iii)	Chemical communications	Articulo	2004
Titanocene-catalysed, selective reduction of ketones in aqueous media. a safe, mild, inexpensive procedure for the synthesis of secondary alcohols via radical chemistry	Tetrahedron letters	Articulo	2003
Unified synthesis of eudesmanolides, combining biomimetic strategies with homogeneous catalysis and free-radical	Organic letters	Articulo	2003

chemistry			
Effects of solvents and water in ti(iii)-mediated radical cyclizations of epoxygermacrolides. straightforward synthesis and absolute stereochemistry of (+)-3alpha-hydroxyreynosin and related eudesmanolides	Journal of organic chemistry	Articulo	2002
First synthesis of achilleol a using titanium(iii) chemistry	Tetrahedron letters	Articulo	2002
Intramolecular coupling of allyl carboxylates with allyl stannanes and allyl silanes: a new type of reductive elimination reaction?	Chemistry (weinheim. internet)	Articulo	2002
Intramolecular michael-type addition of azadienes to 1,4-naphthoquinones instead of aza-diels-alder cycloaddition: a synthesis of ascididemin	Journal of the chemical society. perkin transactions. i	Articulo	2002
Nueva estrategia sintética hacia terpenoides policíclicos: síntesis total de podolactonas bioactivas	Universidad de granada. química orgánica	Tesis doctoral	2002
A new strategy for the synthesis of cyclic terpenoids based on the radical opening of acyclic epoxy polyenes	Journal of organic chemistry	Articulo	2001
Approach to the synthesis of antitumor quassinoids from labdane diterpenes: an efficient synthesis of a picrasane-related intermediate	Organic letters	Articulo	2001
Preparation of bioactive podolactones via a new pd-catalysed bislactonisation reaction. synthesis of oidiolactone c	Tetrahedron letters	Articulo	2000
Synthetic applications of the thermal rearrangement of ozonides: first enantiospecific synthesis of marine metabolite luffarin w	Synlett	Articulo	2000
Direct synthesis of n-arylquinone imine acetals and quinol imines from acetals	Angewandte chemie (international ed. print)	Articulo	1999
New synthesis of pyridoacridines based on an intramolecular aza-diels-alder reaction followed by an unprecedented rearrangement	Chemical communications	Articulo	1999
Synthesis of 10-epi-elemol by a highly stereoselective intramolecular palladium-catalyzed coupling of an allylstannane with an allyl acetate	Journal of organic chemistry	Articulo	1997
Synthesis of heterocyclic quinones by aza-diels-alder reaction of 4-stannyl-1-aza-diene	Synlett	Articulo	1997
Cationic intermediates in the intramolecular insertion of alkenes into (h3-allyl)palladium(ii) complexes	Angewandte chemie. international edition in english	Articulo	1996
Michael reaction of stabilized carbon nucleophiles catalyzed by ruh2(pph3)4	Journal of physics and chemistry of solids	Articulo	1996
Two sesquiterpenes from the wood of abies marocana	Phytochemistry	Articulo	1996
A concise synthesis of (+/-)-monomorphine-i by way of a palladium-catalyzed reductive coupling	Tetrahedron letters	Articulo	1994
Design and synthetic applications of new heterometallic cycles	Bulletin des sociétés chimiques belges	Articulo	1994
Palladium-catalyzed reductive coupling of acid-chlorides with beta-stannyl enones. synthesis of 1,4-diketones and mechanistic aspects	Journal of organic chemistry	Articulo	1994

	Título proyecto	Tipo	Inicio	Fin
1	Disociación homolítica de enlaces o-h: aplicaciones prácticas e implicaciones en química, física y bioquímica	Proyecto	1/30/14	2/16/19
2	Preparación del compuesto granadaeno y derivados del mismo.	Contrato	7/1/14	12/31/17
3	Materiales organicos funcionales	Proyecto	1/1/15	12/31/17
4	'preparación de patrones deuterados de polifenoles presentes en el aceite de oliva para análisis y cuantificación en muestras de aceite de oliva virgen'	Contrato	3/4/15	12/31/16
5	'análisis de 10 muestras de residuos producidos por un prototipo de deshidratación de alpeorajo '	Contrato	3/13/15	10/30/15
6	Reacciones mediadas por ti(iii), herramientas utiles en sintesis organica.	Proyecto	1/1/12	5/31/15
7	Ti(iii)-mediated reactions, emerging tools in organic synthesis	Proyecto	1/1/12	12/31/14
8	Nanodispositivos orgánicos para electrónica molecular: diseño, síntesis y evaluación	Proyecto	4/1/10	3/31/14
9	Aproximación directa a la síntesis de nuevos productos con actividad biológica	Proyecto	1/1/13	12/31/13
10	Study of new titanocene(iii) complexes and their application to c-c bonds forming reactions and in the reduction of carbon centered radicals	Proyecto	12/1/11	11/30/13
11	Diseño, síntesis y evaluación de nuevos dispositivos en electrónica molecular basados en el carbono	Proyecto	4/11/07	3/31/10

Actividades 0

Título actividad	Fuente	Tipo	Fecha
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Colaboradores

- JUAN ENRIQUE OLTRA FERRERO (39)
- JOSÉ RAFAEL JUSTICIA LADRÓN DE GUEVARA (34)
- LUIS ALVAREZ DE CIENFUEGOS RODRIGUEZ (26)
- ARACELI GONZÁLEZ CAMPAÑA (22)
- DELIA MIGUEL ALVAREZ (20)
- DIEGO JESUS CARDENAS (18)
- ALEJANDRO FERNANDEZ BARRERO (13)
- ANTONIO ECHAVARREN PABLOS (12)
- NOELIA FUENTES ROMERO (12)
- ANTONIO ROSALES MARTINEZ (11)
- ALBA MILLÁN DELGADO (10)
- ELENA BUÑUEL MAGDALENA (10)
- MIGUEL PARADAS PALOMO (9)
- ANA MARTÍN LASANTA (8)
- TANIA JIMÉNEZ TRUJILLO (8)
- ANTONIO JOSÉ MOTA ÁVILA (7)
- ENRIQUE JOSE ALVAREZ-MANZANEDA ROLDAN (6)
- SARA PATRICIA MORCILLO MARTÍNEZ (6)
- ALI HAIDOUR BENAMIN (5)
- ANDRES PARRA SANCHEZ (5)
- ANGEL ORTE GUTIERREZ (5)
- DUANE CHOQUESILLO LAZARTE (5)
- FRANCISCO MANUEL GOMEZ CAMPOS (5)

- SALVADOR RODRIGUEZ BOLIVAR (5)
- JOSE MARÍA ALVAREZ PEZ (4)
- JOSÉ MANUEL PAREDES MARTÍNEZ (4)
- JUAN MANUEL GARCIA RUIZ (4)
- LUIS CROVETTO GONZALEZ (4)
- RACHID CHAHBOUN KARIMI (4)
- Sandra Resa Acosta (4)
- ÁNGELA MARTÍNEZ PERAGÓN (4)
- IRENE RODRIGUEZ MARQUEZ (3)
- MARIA JOSE RUEDAS RAMA (3)
- MARIA LUISA MARCOS LAGUNA (3)
- ROCÍO JURADO PALOMARES (3)
- EVA MARIA TALAVERA RODRIGUEZ (2)
- IRIS SANCHO SANZ (2)
- JUAN ENRIQUE CARCELLER BELTRAN (2)
- Rafael Contreras Montoya (2)
- ALBERTO FERNANDEZ GUTIERREZ (1)
- ANTONIO SEGURA CARRETERO (1)
- BLANCA BIEL RUIZ (1)
- CONCEPCIÓN RODRIGUEZ MELGAREJO (1)
- DAVID ARRAEZ ROMAN (1)
- DENNIS WORGULL (1)
- EDUARDO CABRERA TORRES (1)
- ELISA MARÍA BAREA MARTÍNEZ (1)
- ESTELA PINEDA MOLINA (1)
- EULALIA OLIVER GARCIA (1)
- JOSE ANTONIO GAVIRA GALLARDO (1)
- JOSE FRANCISCO QUILEZ DEL MORAL (1)
- JUAN ANTONIO LOPEZ VILLANUEVA (1)
- JUAN DE DIOS GARCÍA LÓPEZ-DURÁN (1)
- MARIA CARMEN CARREÑO GARCÍA (1)
- MARIA DEL MAR HERRADOR DEL PINO (1)
- MARIA DEL PILAR HERRERO FONCUBIERTA (1)
- MARIA DOLORES GIRON GONZALEZ (1)
- MARÍA IRANZO RÓDENAS (1)
- M^a TERESA CONEJERO MURIEL (1)
- RAFAEL SALTO GONZALEZ (1)
- RICARDO RODRIGUEZ FERROL (1)
- SALVADOR MORMENEO BERNAT (1)