

## PRODUCCIÓN CIENTÍFICA

Los datos que constan a continuación son sólo los que se han recibido por parte de los científicos que respondieron a la solicitud del CNME para la confección de esta memoria.

### PUBLICACIONES 2019 CON FACTOR DE IMPACTO $\geq 2,5$

REVISTA	AÑO	REFERENCIAS	FACTOR IMPACTO
CHEM SOC REV	2019	48, 3903 (2019)	40,443
ENERG ENVIRON SCI	2019	12, 1309-1316 (2019)	33,250
ADV MATER	2019	31, 1805360 (2019)	25,809
ADV MATER	2019	31(28), 1900189 (2019)	25,809
ADV MATER	2019	31(28), 1970200 (2019)	25,809
ACCOUNTS CHEM RES	2019	52, 1565-1574 (2019)	21,661
NAT PHYS	2019	15(1), 67-72 (2019)	20,113
CHEM-US	2019	5, 733-738 (2019)	18,205
ADV FUNCT MATER	2019	1902634 (2019)	15,621
J AM CHEM SOC	2019	141, 5192-5200 (2019)	14,695
J AM CHEM SOC	2019	141, 7463-7472 (2019)	14,695
J AM CHEM SOC	2019	141(38), 15403-15412 (2019)	14,695
J AM CHEM SOC	2019	41, 16432-16438 (2019)	14,695
ACS NANO	2019	13, 4424 (2019)	13,903
ACS NANO	2019	13, 5451-5464 (2019)	13,903
COORDIN CHEM REV	2019	399, 213024 (2019)	13,476
NAT COMMUN	2019	10,327 (2019)	12,353
NAT COMMUN	2019	10, 5011-5029 (2019)	12,353
ANGEW CHEM INT EDIT	2019	58, 510-514 (2019)	12,257
ANGEW CHEM INT EDIT	2019	58, 2310-2315 (2019)	12,257
ANGEW CHEM INT EDIT	2019	58, 3067-3072 (2019)	12,257
ANGEW CHEM INT EDIT	2019	58, 3128-3132 (2019)	12,257
ANGEW CHEM INT EDIT	2019	58, 6559-6563 (2019)	12,257
ANGEW CHEM INT EDIT	2019	58, 6932-6937 (2019)	12,257
ANGEW CHEM INT EDIT	2019	58, 16097-16100 (2019)	12,257
ANGEW CHEM INT EDIT	2019	58, 16730-16740 (2019)	12,257
ANGEW CHEM INT EDIT	2019	58, 18017-18024 (2019)	12,257
NAT COMMUN	2019	10, 509 (2019)	11,878
EUR RESPIR J	2019	54, OA2118 (2019)	11,807
EUR RESPIR J	2019	54, PA2382 (2019)	11,807
CHEM MATER	2019	31, 6435-6442 (2019)	10,159
CHEM MATER	2019	31, 7024-7032 (2019)	10,159
SEMIN CANCER BIOL	2019	54, 91-100 (2019)	9,658
CHEM SCI	2019	11, 132-140 (2019)	9,556
PHYS REV LETT	2019	122(3), 037601 (2019)	9,227
PHYS REV LETT	2019	122(11), 116401 (2019)	9,227
ACS APPL MATER INTER	2019	doi.org/10.1021/acsami.9b18820 (2019)	8,456

PROG PHOTOVOLTAICS	2019	DOI 10.1002/pip.3223 (2019)	7,776
J POWER SOURCES	2019	427, 299-308 (2019)	7,467
2D MATER	2019	6, 035023 (2019)	7,343
J PHYS CHEM LETT	2019	10, 1587 (2019)	7,329
NANOSCALE	2019	11, 4531-4545 (2019)	6,970
NANOSCALE	2019	11(18), 9194-9200 (2019)	6,970
NANOSCALE	2019	11, 13832-13844 (2019)	6,970
NANOSCALE	2019	DOI: 10.1039/c9nr07083d (20	6,970
ACS SUSTAIN CHEM ENG	2019	7, 15671-15683 (2019) 19)	6,970
J MATER CHEM C	2019	7, 4124 (2019)	6,641
J MATER CHEM C	2019	7, 6641-6648 (2019)	6,641
J MATER CHEM C	2019	7, 6649-6655 (2019)	6,641
J MATER CHEM C	2019	7, 6656-6663 (2019)	6,641
J MATER CHEM C	2019	7, 8962-8968 (2019)	6,641
ACTA BIOMATER	2019	83, 456-466 (2019)	6,638
ACTA BIOMATER	2019	84, 317-327 (2019)	6,638
ACTA BIOMATER	2019	86, 441-449 (2019)	6,638
ACTA BIOMATER	2019	89, 359-371 (2019)	6,638
ACTA BIOMATER	2019	90, 393-402 (2019)	6,638
ACTA BIOMATER	2019	90, 3693-402 (2019)	6,638
ACTA BIOMATER	2019	96, 547-556 (2019)	6,638
ACTA BIOMATER	2019	101, 459-468 (2019)	6,638
ACTA BIOMATER	2019	101, 544-553 (2019)	6,638
ORG LETT	2019	21, 4563 (2019)	6,555
SENSOR ACTUAT B-CHEM	2019	279, 458-465 (2019)	6,393
SENSOR ACTUAT B-CHEM	2019	284, 711-722 (2019)	6,393
SENSOR ACTUAT B-CHEM	2019	292, 210-216 (2019)	6,393
J COLLOID INTERF SCI	2019	545, 153-161 (2019)	6,361
J COLLOID INTERF SCI	2019	563, 92-103 (2019)	6,361
ANAL CHEM	2019	91, 2231-2238 (2019)	6,350
ADV ELECTRON MATER	2019	6(1), 1900852 (2019)	6,312
CHEM COMMUN	2019	55, 1631 (2019)	6,164
CHEM COMMUN	2019	55(18), 2563-2592 (2019)	6,164
CHEM COMMUN	2019	55, 2731-2740 (2019)	6,164
CHEM COMMUN	2019	55, 3223-3226 (2019)	6,164
CHEM COMMUN	2019	55, 6070-6073 (2019)	6,164
CHEM COMMUN	2019	55, 6795-6798 (2019)	6,164
J MED CHEM	2019	Doi: 10.1021/acs.jmedchem.9b01287 (2019)	6,054
J MED CHEM	2019	62, 6035-6046 (2019)	6,054
CARBOHYD POLYM	2019	227, 115340 (2019)	6,044
MATER DESIGN	2019	171, 107691 (2019)	5,770
PLANT CELL ENVIRON	2019	42, 310-320 (2019)	5,624
CEMENT CONCRETE RES	2019	124, 105816 (2019)	5,618
SCI TOTAL ENVIRON	2019	656, 421-432 (2019)	5,589
MICROCHIM ACTA	2019	186(7), 411 (2019)	5,479

EXPERT OPIN DRUG DEL	2019	16, 1095-1112 (2019)	5,400
EXPERT OPIN DRUG DEL	2019	22, 1-25 (2019)	5,400
J EXP BOT	2019	70(11), 2965-2978 (2019)	5,360
ANAL CHIM ACTA	2019	1049, 65-73 (2019)	5,256
NEUROBIOL DIS	2019	130,104482 (2019)	5,160
CHEM-EUR J	2019	25, 3224-3228 (2019)	5,160
CHEM-EUR J	2019	25, 5848-5864 (2019)	5,160
CHEM-EUR J	2019	25, 12394 (2019)	5,160
CHEM-EUR J	2019	25, 13157-13163 (2019)	5,160
CHEM-EUR J	2019	25, 16012-16016 (2019)	5,160
CHEM-EUR J	2019	doi: 10.1002/chem.201903475	5,160
ENVIRON MICROBIOL	2019	21(10), 3577-3600 (2019)	5,147
MAT SCI ENG C-MATER	2019	105, 109971 (2019)	4,959
TALANTA	2019	193, 139-145 (2019)	4,916
CATAL TODAY	2019	DOI:10.1016/j.cattod.2019.11.031 (2019)	4,888
OXID MED CELL LONGEV	2019	doi.org/10.1155/2019/5641645 (2019)	4,868
INORG CHEM	2019	58, 9175-9180 (2019)	4,850
PHARMACEUTICS	2019	11(7), 353 (2019)	4,773
PHARMACEUTICS	2019	11(9), 431 (2019)	4,773
J LIPID RES	2019	60(2), 430-435 (2019)	4,743
EUR J PHARM BIOPHARM	2019	144, 230-243 (2019)	4,708
BIOMOLECULES	2019	9(9), 498 (2019)	4,694
APPL CATAL A-GEN	2019	582, 117107 (2019)	4,630
DENT MATER	2019	35(1), 156-168 (2019)	4,440
NEUROPHARMACOLOGY	2019	150, 134-144 (2019)	4,367
J PHYS CHEM C	2019	41, 25294-25302 (2019)	4,309
J PHYS CHEM C	2019	123(12), 7356-7365 (2019)	4,309
J PHYS CHEM C	2019	123, 17472-82 (2019)	4,309
J PHYS CHEM C	2019	123(27), 16973-16981 (2019)	4,309
J PHYS CHEM C	2019	123(48), 29386-29393 (2019)	4,309
FRONT MICROBIOL	2019	10, 148 (2019)	4,259
PART PART SYST CHAR	2019	1900396 (2019)	4,194
INT J MOL SCI	2019	20(4), 929 (2019)	4,183
INT J MOL SCI	2019	20, 3806 (2019)	4,183
MICROPOR MESOPOR MAT	2019	278, 280-288 (2019)	4,182
J ALLOY COMPD	2019	766, 609-618 (2019)	4,175
MAT SCI ENG	2019	509, 012039 (2019)	4,081
MAT SCI ENG	2019	749, 56-64 (2019)	4,081
NANOMATERIALS-BASEL	2019	9, 348 (2019)	4,034
NANOMATERIALS-BASEL	2019	9, 1217 (2019)	4,034
NANOMATERIALS-BASEL	2019	9, 1438 (2019)	4,034
DYES PIGMENTS	2019	162, 168-176 (2019)	4,018
DYES PIGMENTS	2019	170, 107662 (2019)	4,018
SCI REP-UK	2019	9, 15370 (2019)	4,011
CHEMELECTROCHEM	2019	DOI 10.1002/celc.201902025 (2019)	3,975

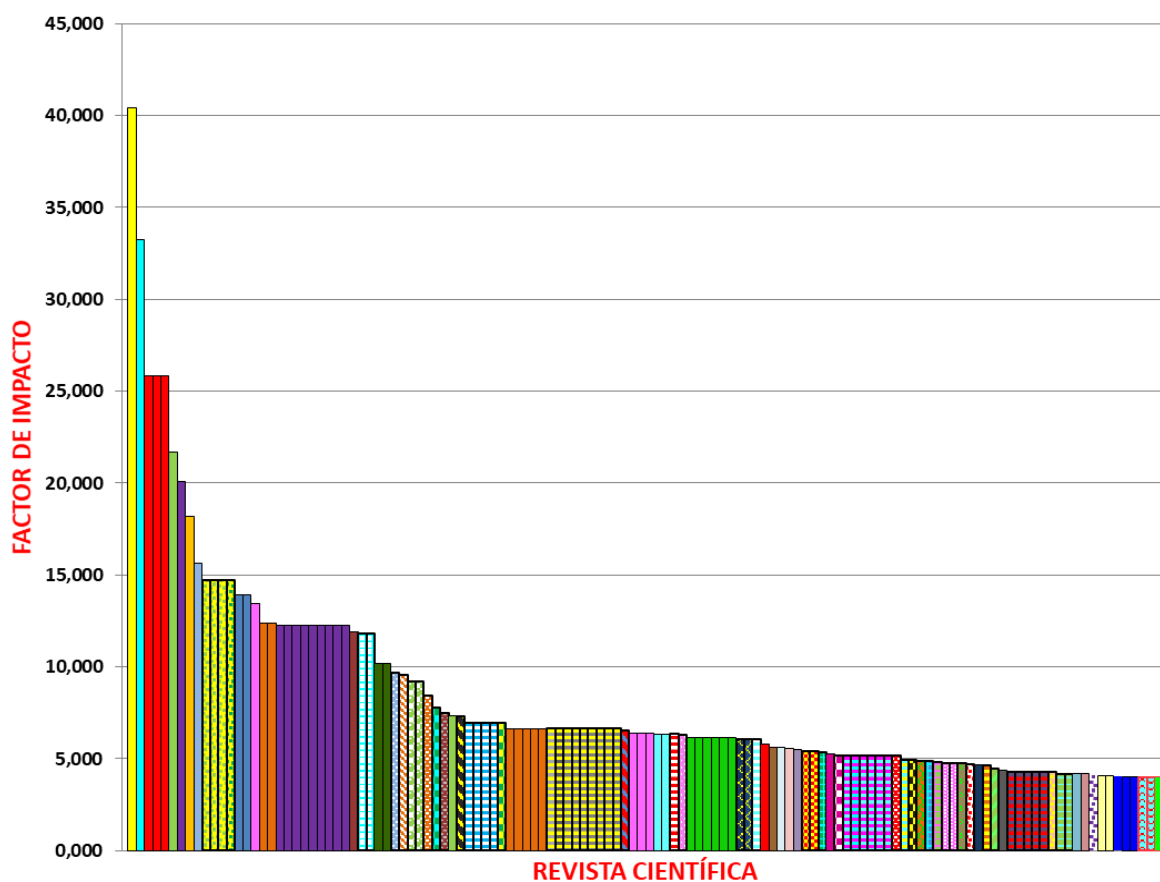
COLLOID SURFACE B	2019	176, 96-105 (2019)	3,973
COLLOID SURFACE B	2019	178, 329-336 (2019)	3,973
CELLULOSE	2019	26(10), 6275-6289 (2019)	3,917
LITHOS	2019	344-345, 159-174 (2019)	3,913
APPL CLAY SCI	2019	175, 197-198 (2019)	3,890
OPT LETT	2019	44, 4921-4924 (2019)	3,866
ACS CHEM NEUROSCI	2019	10(4), 2045-2059 (2019)	3,861
CLIN ORAL IMPLAN RES	2019	8, 725-734 (2019)	3,825
CLIN ORAL IMPLAN RES	2019	30(3), 229-241 (2019)	3,825
ARCH DIS CHILD-FETAL	2019	104(4), F443-F451 (2019)	3,776
PHYS REV B	2019	99, 024403 (2019)	3,736
PHYS REV B	2019	100(11), 115129 (2019)	3,736
ALGAL RES	2019	37, 240-247 (2019)	3,723
LANGMUIR	2019	35, 5021 (2019)	3,683
BIOPHYS J	2019	116(3), 370a (2019)	3,665
BIOPHYS J	2019	116(3), 371a (2019)	3,665
CHEM GEOL	2019	515, 7786 (2019)	3,618
PHYS CHEM CHEM PHYS	2019	21, 11670-11675 (2019)	3,567
J PROTEOMICS	2019	207, 103466 (2019)	3,537
APPL SOIL ECOL	2019	135, 56-64 (2019)	3,445
CHEMPLUSCHEM	2019	84, 488-492 (2019)	3,441
CHEMPLUSCHEM	2019	84, 730-739 (2019)	3,441
SOFT MATTER	2019	15, 1388 (2019)	3,399
JCSE	2019	2(2), 61-69 (2019)	3,372
ANAL BIOANAL CHEM	2019	411, 6561-6573 (2019)	3,286
MATER CHARACT	2019	158, 109943 (2019)	3,220
J ELECTROCHEM SOC	2019	166, B1434-B1440 (2019)	3,120
RSC ADV	2019	9, 11312-11321 (2019)	3,049
RSC ADV	2019	9, 17571-17580 (2019)	3,049
SENSORS-BASEL	2019	19(17), 3762 (2019)	3,031
MATERIALS	2019	12, 1974 (2019)	2,972
MATERIALS	2019	12(22), 3783 (2019)	2,972
ENVIRON SCI POLLUT R	2019	DOI 10.1007/s11356-019-05597-x (2019)	2,914
PLOS ONE	2019	14(8), e0221234 (2019)	2,776
PARASITE IMMUNOL	2019	41, e12616 (2019)	2,755
J PHYS CHEM SOLIDS	2019	129, 133-139 (2019)	2,752
ELECTROANAL	2019	31(10), 1816-1832 (2019)	2,691
J MAGN MAGN MATER	2019	490, 165496 (2019)	2,683
J BIOMED MATER RES B	2019	107(5): 1598-1606 (2019)	2,674
ACS OMEGA	2019	4, 5019-5028 (2019)	2,584
ACS OMEGA	2019	4, 13943-13953 (2019)	2,584

● Número de artículos publicados en 2019: **168**

● Factor de Impacto  $\geq 4$  (para todos los artículos publicados en 2019):

- Total Factor Impacto: **1059,105**
  - Número de artículos: **126**
  - Factor de Impacto medio/artículo: **8,406**
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- Número de revistas con  $2,5 \leq \text{Factor de Impacto} \leq 3$ : **42**

## PUBLICACIONES 2019 CON ÍNDICE DE IMPACTO $\geq 4$



■ CHEM SOC REV	■ ENERG ENVIRON SCI	■ ADV MATER	■ ACCOUNTS CHEM RES
■ NAT PHYS	■ CHEM-US	■ ADV FUNCT MATER	■ J AM CHEM SOC
■ ACS NANO	■ COORDIN CHEM REV	■ NAT COMMUN	■ ANGEW CHEM INT EDIT
■ NAT COMMUN	■ EUR RESPIR J	■ CHEM MATER	■ SEMIN CANCER BIOL
■ CHEM SCI	■ PHYS REV LETT	■ ACS APPL MATER INTER	■ PROG PHOTOVOLTAICS
■ J POWER SOURCES	■ 2D MATER	■ J PHYS CHEM LETT	■ NANOSCALE
■ ACS SUSTAIN CHEM ENG	■ J MATER CHEM C	■ ACTA BIOMATER	■ ORG LETT
■ SENSOR ACTUAT B-CHEM	■ J COLLOID INTERF SCI	■ ANAL CHEM	■ ADV ELECTRON MATER
■ CHEM COMMUN	■ J MED CHEM	■ CARBOHYD POLYM	■ MATER DESIGN
■ PLANT CELL ENVIRON	■ CEMENT CONCRETE RES	■ SCI TOTAL ENVIRON	■ MICROCHIM ACTA
■ EXPERT OPIN DRUG DEL	■ J EXP BOT	■ ANAL CHIM ACTA	■ NEUROBIOL DIS
■ CHEM-EUR J	■ ENVIRON MICROBIOL	■ MAT SCI ENG C-MATER	■ TALANTA
■ CATAL TODAY	■ OXID MED CELL LONGEV	■ INORG CHEM	■ PHARMACEUTICS
■ J LIPID RES	■ EUR J PHARM BIOPHARM	■ BIOMOLECULES	■ APPL CATAL A-GEN
■ DENT MATER	■ NEUROPHARMACOLOGY	■ J PHYS CHEM C	■ FRONT MICROBIOL
■ PART PART SYST CHAR	■ INT J MOL SCI	■ MICROPOR MESOPOR MAT	■ J ALLOY COMPD
■ MAT SCI ENG	■ NANOMATERIALS-BASEL	■ DYES PIGMENTS	■ SCI REP-UK

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## PUBLICACIONES

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Post-synthetic modification of covalent organic frameworks.

J.L. Segura, S. Royuela, M.M. Ramos.

*Chemical Society Reviews*. **2019**. 48, 3903.

Energy Alignment and Recombination in Perovskite Solar Cells: Weighted Influence on the Open Circuit Voltage.

I. Gelmetti, N. F. Montcada, A. Pérez-Rodríguez, E. Barrena, C. Ocal, I. García-Benito, A. Molina-Ontoria, N. Martín, A. Vidal-Ferran, E. Palomares.

*Energy & Environmental Science*. **2019**. 12, 1309-1316.

Engineering Transport in Manganites by Tuning Local Nonstoichiometry in Grain Boundaries.

F. Chiabrera, I. Garbayo, L. López-Conesa, G. Martín, A. Ruiz-Caridad, M. Walls, L. Ruiz-González, A. Kordatos, M. Núñez, A. Morata, S. Estradé, A. Chroneos, F. Peiró, A. Tarancón.

*Advanced Materials*. **2019**. 31, 1805360.

Giant Enhancement in the Supercapacitance of NiFe-Graphene Nanocomposites Induced by a Magnetic Field.

J. Romero, H. Prima - García, M. Varela, S.G. Miralles, V. Oestreicher, G. Abellán, E. Coronado.

*Advanced Materials*. **2019**. 31(28), 1900189.

Energy Storage: Giant Enhancement in the Supercapacitance of NiFe-Graphene Nanocomposites Induced by a Magnetic Field (Adv. Mater. 28/2019).

J. Romero, H. Prima - García, M. Varela, S.G. Miralles, V. Oestreicher, G. Abellán, E. Coronado.

*Advanced Materials*. **2019**. 31(28), 1970200.

Chiral Molecular Carbon Nanostructures.

J.M. Fernández-García, P.J. Evans, S. Filippone, M.A. Herranz, N. Martín.

*Accounts of Chemical Research*. **2019**. 52, 1565-1574.

Giant topological Hall effect in correlated oxide thin films.

L. Vistoli, W. Wang, A. Sander, Q. Zhu, B. Casals, R. Cichelero, A. Barthélémy, S. Fusil, G. Herranz, S. Valencia, R. Abrudan, E. Weschke, K. Nakazawa, H. Kohno, J. Santamaria, W. Wu, V. García, M. Bibes.

*Nature Physics*. **2019**. 15(1), 67-72.

The Legacy of Sir Harold W. Kroto: Fullerenes and Beyond.

N. Martín.

*Chem*. **2019**. 5, 733-738.

Mesoporous silica nanoparticles for drug delivery.

M. Manzano, M. Vallet Regí.

*Advanced Functional Materials*. **2019**. Invited Review. 1902634.

Unraveling Concomitant Packing Polymorphism in Metallosupramolecular Polymers.

A. Langenstroer, K.K. Kartha, Y. Dorca, J. Droste, V. Stepanenko, R.Q. Albuquerque, M.R. Hansen, L. Sánchez, G. Fernández.

*Journal of the American Chemical Society*. **2019**. 141, 5192-5200.

Decoding the Consequences of Increasing the Size of Self-Assembling Tricarboxamides on Chiral Amplification. E.E. Greciano, J. Calbo, J. Buendía, J. Cerdá, J. Aragón, E. Ortí, L. Sánchez.

*Journal of the American Chemical Society*. **2019**. 141, 7463-7472.

Synthesis of Highly Efficient Multivalent Disaccharide/[60]Fullerene Nanoballs for Emergent Viruses.

J. Ramos-Soriano, J. J. Reina, B. M. Illescas, N. de la Cruz, L. Rodríguez-Pérez, F. Lasala, J. Rojo, R. Delgado, N. Martín.

*Journal of the American Chemical Society*. **2019**. 141(38), 15403-15412.

Noncovalent synthesis of self-assembled nanotubes through decoupled hierarchical cooperative processes.

V. Vázquez-González, M. J. Mayoral, R. Chamorro, M.M.R.M. Hendrix, I. K. Voets, D. González-Rodríguez.

*Journal of the American Chemical Society*. **2019**. 41, 16432-16438.

Disconnecting symmetry breaking from seeded growth for the reproducible synthesis of high quality gold nanorods.

G. González-Rubio, V. Kumar, P. Llombart, P. Díaz-Núñez, E. Bladt, T. Altantzis, S. Bals, O. Peña-Rodríguez, E.G. Noya, L.G. MacDowell, A. Guerrero-Martínez, L.M. Liz-Marzán.

*ACS Nano*. **2019**. 13, 4424.

Nanoparticles to knockdown osteoporosis-related gene and promote osteogenic markers expression for osteoporosis treatment.

P. Mora-Raimundo, D. Lozano, M. Manzano, M. Vallet-Regí.

*ACS Nano*. **2019**. 13, 5451-5464.

Synthesis of BODIPY dyes through postfunctionalization of the boron dipyrromethene core.

N. Boens, B. Verbelen, M.J. Ortiz, J. Lijuan, W. Dehaen.

*Coordination Chemistry Reviews*. **2019**. 399, 213024.

Structure and electrochromism of two-dimensional octahedral molecular sieve h'-WO<sub>3</sub>.

J. Besnardiere, B. Ma, A. Torres-Pardo, G. Wallez, H. Kabbour, J.M. González-Calbet, H.J. Von Bardeleben, B. Fleury, V. Buissette, C. Sanchez, T. Le Mercier, S. Cassaignon, D. Portehault.

*Nature Communications*. **2019**. 10, 327.

Essentiality of fatty acid synthase in the 2D to anchorage-independent growth transition in transforming cells.

M.J. Bueno, V. Jimenez-Renard, S. Samino, J. Capellades, A. Junza, M.L. López-Rodríguez, J. Garcia-Carceles, I. Lopez-Fabuel, J.P. Bolaños, N.S. Chandel, O. Yanes, R. Colomer, M. Quintela-Fandino.



*Nature Communications*. **2019**. 10, 5011-5029.

Kinetic traps to activate stereomutation in supramolecular polymers.

J.S. Valera, R. Gómez, L. Sánchez.

*Angewandte Chemie International Edition*. **2019**. 58, 510-514.

A Three-Dimensional Dynamic Supramolecular “Sticky Fingers” Organic Framework.

E. Fernández-Bartolome, J. Santos, A. Gamonal, S. Khodabakhshi, L.J. McCormick, S.J. Teat, E.C. Sañudo, J. Sánchez Costa, N. Martín.

*Angewandte Chemie International Edition*. **2019**. 58, 2310-2315

Molecular scaffolds as double targeting agents for the diagnosis and treatment of neuroblastoma.

G. Villaverde, A. Alfranca, Á. Gonzalez-Murillo, G.J. Melen, R.R. Castillo, M. Ramírez, A. Baeza, M. Vallet-Regí.

*Angewandte Chemie International Edition*. **2019**. 58, 3067-3072.

Multi-light responsive quantum dot sensitized hybrid micromotors with dual-mode propulsion.

R. María-Hormigos, B. Jurado-Sánchez, A. Escarpa.

*Angewandte Chemie International Edition*. **2019**. 58, 3128-3132.

On-surface synthesis of ethynylene bridged anthracene polymers.

A. Sánchez-Grande, B. de la Torre, J. Santos, B. Cirera, K. Lauwaet, T. Chutora, S. Edalatmanesh, P. Mutombo, J. Rosen, R. Zbořil, R. Miranda, J. Björk, P. Jelínek, N. Martín, D. Écija.

*Angewandte Chemie International Edition*. **2019**. 58, 6559-6563

All-Fullerene Electron Donor–Acceptor Conjugates.

M. Izquierdo, B. Platzer, A. J. Stasyuk, O. A. Stasyuk, A. A. Voityuk, S. Cuesta, M. Solà, D. M. Guldi, N. Martín.

*Angewandte Chemie International Edition*. **2019**. 58, 6932-6937.

Anion– $\pi$  Catalysis on Carbon Nanotubes.

A.B. Bornhof, M. Vázquez-Nakagawa, L. Rodríguez-Pérez, M. A. Herranz, N. Sakai, N. Martín, S. Matile, J. López-Andarias.

*Angewandte Chemie International Edition*. **2019**. 58, 16097-16100.

Revising complex supramolecular polymerization under kinetic and thermodynamic control.

J. Mattern, Y. Dorca, L. Sánchez, G. Fernández.

*Angewandte Chemie International Edition*. **2019**. 58, 16730-16740.

Visible light driven Janus microvehicles in biological media.

M. Pacheco, B. Jurado-Sánchez, A. Escarpa.

*Angewandte Chemie International Edition*. **2019**. 58, 18017-18024.

Few layer 2D pnictogens catalyze the alkylation of soft nucleophiles with esters.

V. Lloret, M.Á. Rivero-Crespo, J.A. Vidal-Moya, S. Wild, A. Doménech-Carbó, B. SJ Heller, S. Shin, H.P. Steinrück, F. Maier, F. Hauke, M. Varela, A. Hirsch, A. Leyva-Pérez, G. Abellán.  
*Nature communications*. **2019**. 10, 509.

LSC-2019-Surfactant protein SP-D to the rescue of NETosis and NET-induced lung surfactant inactivation.  
R.A. Rodríguez, J. Duerr, M.A. Khan, M. Echaide, N. Palaniyar, J. Pérez-Gil.  
*European Respiratory Journal*. **2019**. 54, OA2118.

Characterization of the activity of the different oligomeric forms of pulmonary human surfactant protein SP-D  
R. Arroyo Rodríguez, J. Duerr, M.A. Khan, M. Echaide, N. Palaniyar, J. Pérez-Gil.  
*European Respiratory Journal*. **2019**. 54, PA2382.

Dibenzoquinethiophene- and Dibenzosexithiophene-Based Hole-Transporting Materials for Perovskite Solar Cells.  
J. Urieta-Mora, I. Zimmermann, J. Aragón, A. Molina-Ontoria, E. Ortí, N. Martín, M.K. Nazeeruddin.  
*Chemistry of Materials*. **2019**. 31, 6435-6442.

Flipping Motion to Bias the Organized Supramolecular Polymerization of N-Heterotriangulenes.  
Y. Dorca, J. Cerdá, J. Aragón, E. Ortí, L. Sánchez.  
*Chemistry of Materials*. **2019**. 31, 7024-7032.

Blocking Ras inhibition as an antitumor strategy.  
N.I. Marín-Ramos, S. Ortega-Gutiérrez, M.L. López-Rodríguez.  
*Seminars in Cancer Biology*. **2019**. 54, 91-100.

Near Infrared-light responsive WS<sub>2</sub> microengines with high-performance electro and photo-catalytic activities.  
V. de la Asunción Nadal, B. Jurado-Sánchez, L. Vázquez, A. Escarpa.  
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