

## PUBLICACIONS DERIVADES DE LES TESIS LLEGIDES

2012/13 -2016/2017

### BARCONS XIXONS, VICTOR

**Barcons, V.**, Černík, M., Benito, J. A., Filip, J., & Marti, V. (2017). Activation process of air stable nanoscale zero-valent iron particles. *Chemical Engineering Journal*, 320. <https://doi.org/10.1016/j.cej.2017.03.056>

**FI 2016:** 6.216

**Categoria temàtica i quartil:**

Q1 ENGINEERING, ENVIRONMENTAL

Q1 ENGINEERING, CHEMICAL

**Barcons, V.**, Cernik, M., Martí, V., & Benito, J. A. (2016). Improvements in nanoscale zero-valent iron production by milling through the addition of alumina. *Journal of Nanoparticle Research*, 18(7). <https://doi.org/10.1007/s11051-016-3490-2>

**FI 2016:** 2.020

**Categoria temàtica i quartil:**

Q2 CHEMISTRY, MULTIDISCIPLINARY

Q3 NANOSCIENCE & NANOTECHNOLOGY

Chang, Y.-H., Olukan, T., Lai, C.-Y., Santos, S., Lin, T.-Y., Apostoleris, H, Font J and **Barcons V.** Chiesa, M. (2015). Establishing Nanoscale Heterogeneity with Nanoscale Force Measurements. *Journal of Physical Chemistry C*, 119(32). <https://doi.org/10.1021/acs.jpcc.5b04456>

**FI 2015:** 4.509

**Categoria temàtica i quartil:**

Q1 CHEMISTRY, PHYSICAL

Q2 NANOSCIENCE & NANOTECHNOLOGY

Q1 MATERIALS SCIENCE, MULTIDISCIPLINARY

Santos, S., Gadelrab, K. R., **Barcons, V.**, Stefancich, M., & Chiesa, M. (2012). Quantification of dissipation and deformation in ambient atomic force microscopy. *New Journal of Physics*, 14. <https://doi.org/10.1088/1367-2630/14/7/073044>

**FI 2012:** 4.063

**Categoria temàtica i quartil:**

Q1 PHYSICS, MULTIDISCIPLINARY

Lai, C.-Y., **Barcons, V.**, Santos, S., & Chiesa, M. (2015). Periodicity in bimodal atomic force microscopy. *Journal of Applied Physics*, 118(4).  
<https://doi.org/10.1063/1.4927733>

**FI 2015:** 2.101

**Categoria temàtica i quartil:**

Q2 PHYSICS, APPLIED

Santos, S., **Barcons, V.**, Christenson, H. K., Billingsley, D. J., Bonass, W. A., Font, J., & Thomson, N. H. (2013). Stability, resolution, and ultra-low wear amplitude modulation atomic force microscopy of DNA: Small amplitude small set-point imaging. *Applied Physics Letters*, 103(6). <https://doi.org/10.1063/1.4817906>

**FI 2013:** 3.515

**Categoria temàtica i quartil:**

Q1 PHYSICS, APPLIED

Santos, S., **Barcons, V.**, Font, J., & Verdaguer, A. (2014). Unlocking higher harmonics in atomic force microscopy with gentle interactions. *Beilstein Journal of Nanotechnology*, 5(1). <https://doi.org/10.3762/bjnano.5.29>

**FI 2014:** 4.267

**Categoria temàtica i quartil:**

Q2 NANOSCIENCE & NANOTECHNOLOGY

Q1 MATERIALS SCIENCE, MULTIDISCIPLINARY

Q1 PHYSICS, APPLIED

Santos, S., Lai, C.-Y., Amadei, C. A., Gadelrab, K. R., Tang, T.-C., Verdaguer, A., ... Chiesa, M. (2016). The Mendeleev-Meyer force project. *Nanoscale*, 8(40).  
<https://doi.org/10.1039/c6nr06094c>

**FI 2016:** 7.367

**Categoria temàtica i quartil:**

Q1 CHEMISTRY, MULTIDISCIPLINARY

Q1 NANOSCIENCE & NANOTECHNOLOGY

Q1 MATERIALS SCIENCE, MULTIDISCIPLINARY

Q1 PHYSICS, APPLIED

**BASAS JAUMANDREU, JOSEP**

**Basas, J.,** López, J. J., & de las Heras, F. X. C. (2015). Labdane-type diterpenoids from *Juniperus communis* needles. *Industrial Crops and Products*, 76(2015), 333–345. <https://doi.org/10.1016/j.indcrop.2015.07.005>

**FI 2015:** 3.449

**Categoria temàtica i quartil:**

Q1 AGRICULTURAL ENGINEERING

Q1 AGRONOMY

**Basas, J.,** López, J., & de las Heras, F. X. C. (2014). Resorcinol and m-guaiacol alkylated derivatives and asymmetrical secondary alcohols in the leaves from *Tamarix canariensis*. *Phytochemistry Letters*, 10, 240–248. <https://doi.org/10.1016/j.phytol.2014.10.009>

**FI 2014:** 1.450

**Categoria temàtica i quartil:**

Q2 PLANT SCIENCE

Q4 BIOCHEMISTRY & MOLECULAR BIOLOGY

## **BASCOMPTA MASSANES, MARC**

**Bascompta, M.,** Castañón, A., Sanmiquel, L., & Oliva, J. (2016). A GIS-based approach: Influence of the ventilation layout to the environmental conditions in an underground mine. *Journal of Environmental Management*, 182, 525–530. <https://doi.org/10.1016/j.jenvman.2016.08.013>

**FI 2016:** 4.01

**Categoria temàtica i quartil:**

Q1 ENVIRONMENTAL SCIENCES

**Bascompta, M.,** Castañón, A., Sanmiquel, L., & Oliva, J. (2016). Heat flow assessment in an underground mine: an approach to improve the environmental conditions. *Dyna (Medellín)*, 83(197), 174–179. <https://doi.org/10.15446/dyna.v83n197.52182>

**(FI 2013:** 0.217)

**SJR de Scopus 2016:** 0.250

**Categoria temàtica i quartil:**

Q2 ENGINEERING (MISCELLANEOUS)

**Bascompta, M.,** Sanmiquel, L., & Oliva, J. (2014). Determination of the friction factors in potash mines. *Journal of Mining Science*, 50(5), 953–958. <https://doi.org/10.1134/S1062739114050159>

**FI 2014:** 0.239

**Categoria temàtica i quartil:**

Q4 MINING AND MINERAL PROCESSING

**Bascompta, M.,** Sanmiquel, L., & Oliva, J. (2015). Ventilation management system for underground environments. *Tunnelling and Underground Space Technology*, 50, 516–522. <https://doi.org/10.1016/j.tust.2015.09.001>

**FI 2015:** 1.741

**Categoria temàtica i quartil:**

Q1 CONSTRUCTION & BUILDING TECHNOLOGY

**Guasch, E.,** Anticoi, H., Hamid, S., Oliva, J., Alfonso, P., Escobet, T., ... Bascompta, M. (2017). New approach to ball mill modelling as a piston flow process. *Minerals Engineering*. <https://doi.org/10.1016/j.mineng.2017.04.002>

**FI 2016:** 2.286

**Categoria temàtica i quartil:**

Q1 MINING AND MINERAL PROCESSING

## **BORRAS HOSTA, ANTONI**

Borras, A., Cabrera, J., Colome, X., Cabrera, T., & Senar, J. C. (2011). Patterns of connectivity in Citril Finches *Serinus citrinella*: Sympatric wintering of allopatric breeding birds? *Bird Study*, 58(3). <https://doi.org/10.1080/00063657.2011.587107>

**FI 2011:** 0868

**Categoria temàtica i quartil:**

Q2 ORNITHOLOGY

Förschler, M. I., Senar, J. C., Borras, A., Cabrera, J., & Björklund, M. (2011). Gene flow and range expansion in a mountain-dwelling passerine with a fragmented distribution. *Biological Journal of the Linnean Society*, 103(3). <https://doi.org/10.1111/j.1095-8312.2011.01665.x>

**FI 2011:**2.193

**Categoria temàtica i quartil:**

Q3 EVOLUTIONARY BIOLOGY

Borras, A., Cabrera, J., & Senar, J. C. (2010). Hematocrit variation in response to altitude changes in wild birds: A repeated-measures design. *Condor*, 112(3). <https://doi.org/10.1525/cond.2010.090113>

**FI 2010:**1.290

**Categoria temàtica i quartil:**

Q2 ORNITHOLOGY

Borras, A., Senar, J. C., Alba-Sánchez, F., López-Sáez, J. A., Cabrera, J., Colomé, X., & Cabrera, T. (2010). Citril finches during the winter: Patterns of distribution, the role of pines and implications for the conservation of the species | El verderón serrano en invierno: patrones de distribución, el papel de los pinos e implicaciones para la conservación de l. *Animal Biodiversity and Conservation*, 33(1).

**Al JCR a partir de 2012.**

**FI 2012:** 0.196

**Categoria temàtica i quartil:**

Q4 EVOLUTIONARY BIOLOGY

Förschler, M. I., Borras, A., Kalko, E. K. V., Cabrera, J., Cabrera, T., & Senar, J. C. (2006). Inter-locality variation in breeding phenology and nesting habitat of the citril finch *Carduelis citrinella* in the Catalanian pre-pyrenees. *Ardeola*, 53(1).

**FI 2006:** 0.593

**Categoria temàtica i quartil:**

Q3 ORNITHOLOGY

Senar, J. C., Borras, A., Cabrera, J., Cabrera, T., & Björklund, M. (2006). Local differentiation in the presence of gene flow in the citril finch *Serinus citrinella*. *Biology Letters*, 2(1). <https://doi.org/10.1098/rsbl.2005.0412>

**Al JCR a partir de 2007**

**FI 2007:** 2.716

**Categoria temàtica i quartil:**

Q2 BIOLOGY

Förschler, M. I., Borras, A., Cabrera, J., Cabrera, T., & Senar, J. C. (2005). Inter-locality variation in reproductive success of the citril finch *Serinus citrinella*. *Journal of Ornithology*, 146(2). <https://doi.org/10.1007/s10336-005-0072-y>

**FI 2005:**0.850

**Categoria temàtica i quartil:**

Q2 ORNITHOLOGY

Borras, A., Cabrera, T., Cabrera, J., & Senar, J. C. (2004). Interlocality variation in speed of moult in the Citril Finch *Serinus citrinella*. *Ibis*, 146(1). <https://doi.org/10.1111/j.1474-919X.2004.00199.x>

**FI 2004:** 1.206

**Categoria temàtica i quartil:**

Q2 ORNITHOLOGY

Senar, J. C., & Borras, A. (2004). Surviving to winter: Strategies of wintering birds in the Iberian Peninsula | Sobrevivir al invierno: Estrategias de las aves invernantes en la Península Ibérica. *Ardeola*, 51(1).

**Al JCR a partir de 2012.**

**FI 2005:** 0.509

**Categoria temàtica i quartil:**

Q3 ORNITHOLOGY

Borras, A., Cabrera, T., Cabrera, J., & Senar, J. C. (2003). The diet of the Citril Finch (*Serinus citrinella*) in the Pyrenees and the role of Pinus seeds as a key resource | Die Nahrung des Zitronengirlitzes (*Serinus citrinella*) in den Pyrenäen und die Rolle von Pinus Samen als Hauptnahrung. *Journal Fur Ornithologie*, 144(3).  
<https://doi.org/10.1046/j.1439-0361.2003.03017.x>

**FI 2003:** 0.675

**Categoria temàtica i quartil:**

Q2 ORNITHOLOGY

Senar, J. C., Conroy, M. J., & Borras, A. (2002). Asymmetric exchange between populations differing in habitat quality: A metapopulation study on the citril finch. *Journal of Applied Statistics*, 29(1–4).  
<https://doi.org/10.1080/02664760120108791>

**FI 2002:** 0.265

**Categoria temàtica i quartil:**

Q4 STATISTICS & PROBABILITY

## **CORDOBA SOLÀ, PATRICIA**

**Córdoba, P.** (2015). Status of Flue Gas Desulphurisation (FGD) systems from coal-fired power plants: Overview of the physic-chemical control processes of wet limestone FGDs. *Fuel*, 144. <https://doi.org/10.1016/j.fuel.2014.12.065>

**FI 2015:** 3.611

**Categoria temàtica i quartil:**

Q2 ENERGY & FUELS

Q1 ENGINEERING, CHEMICAL

**Córdoba, P.** (2017). Partitioning and speciation of selenium in wet limestone flue gas desulphurisation systems: A review. *Fuel*, 202.  
<https://doi.org/10.1016/j.fuel.2017.04.015>

**FI 2016:** 4.601

**Categoria temàtica i quartil:**

Q1 ENERGY & FUELS

Q1 ENGINEERING, CHEMICAL

**Córdoba, P.,** Ayora, C., Moreno, N., Font, O., Izquierdo, M., & Querol, X. (2013). Influence of an aluminium additive in aqueous and solid speciation of elements in flue gas desulphurisation (FGD) system. *Energy*, 50(1).  
<https://doi.org/10.1016/j.energy.2012.11.020>

**FI 2013:** 4.159

**Categoria temàtica i quartil:**

Q1 THERMODYNAMICS

Q1 ENERGY & FUELS

**Córdoba, P.,** Castro, I., Maroto-Valer, M., & Querol, X. (2015). The potential leaching and mobilization of trace elements from FGD-gypsum of a coal-fired power plant under water re-circulation conditions. *Journal of Environmental Sciences (China)*, 32. <https://doi.org/10.1016/j.jes.2014.11.009>

**No disposa de FI de JCR**

**SJR d'SCOPUS 2015:** 0.824

**Categoria temàtica i quartil:**

Q1 ENVIRONMENTAL SCIENCE

Q1 ENVIRONMENTAL ENGINEERING

Q2 ENVIRONMENTAL CHEMISTRY

**Córdoba, P.,** Cherqaoui, L., Garcia, S., & Maroto-Valer, M. M. (2017). Effect of Limestone and Buffer Solution in the Aqueous Speciation and pH of Brines for CO<sub>2</sub> Sequestration. In *Energy Procedia* (Vol. 114).  
<https://doi.org/10.1016/j.egypro.2017.03.1627>

**No disposa de FI de JCR**

**SJR d'SCOPUS 2016:** 0.467

**Categoria temàtica i quartil:**

Q2 ENERGY

**Córdoba, P.,** Font, O., Izquierdo, M., Querol, X., Leiva, C., López-Antón, M. A., ... Gómez, P. (2012). The retention capacity for trace elements by the flue gas desulphurization system under operational conditions of a co-combustion power plant. *Fuel*, 102. <https://doi.org/10.1016/j.fuel.2012.06.059>

**FI 2012:** 3.357

**Categoria temàtica i quartil:**

Q1 ENERGY & FUELS

Q1 ENGINEERING, CHEMICAL

**Córdoba, P.,** Liu, Q., Garcia, S., & Maroto-Valer, M. (2016). Understanding the importance of iron speciation in oil-field brine pH for CO<sub>2</sub> mineral sequestration. *Journal of CO<sub>2</sub> Utilization*, 16.  
<https://doi.org/10.1016/j.jcou.2016.06.004>

**No disposa de FI de JCR**

**SJR d'SCOPUS 2016:** 1.264

**Categoria temàtica i quartil:**

Q1 PROCESS CHEMISTRY AND TECHNOLOGY  
Q1 CHEMICAL ENGINEERING  
Q1 WASTE MANAGEMENT AND DISPOSAL

**Córdoba, P.,** Maroto-Valer, M., Ayora, C., Perry, R., Rallo, M., Font, O., ... Querol, X. (2012). Unusual speciation and retention of Hg at a coal-fired power plant. *Environmental Science and Technology*, 46(14). <https://doi.org/10.1021/es301106x>

**FI 2012:** 5.257

**Categoria temàtica i quartil:**

Q1 ENGINEERING, ENVIRONMENTAL  
Q1 ENVIRONMENTAL SCIENCE

**Córdoba, P.,** Maroto-Valer, M., Delgado, M. A., Diego, R., Font, O., & Querol, X. (2016). Speciation, behaviour, and fate of mercury under oxy-fuel combustion conditions. *Environmental Research*, 145. <https://doi.org/10.1016/j.envres.2015.12.002>

**FI 2016:** 3.835

**Categoria temàtica i quartil:**

Q1 ENVIRONMENTAL SCIENCE  
Q1 PUBLIC, ENVIRONMENTAL & OCCUPATIONAL HEALTH

**Córdoba, P.,** Maroto-Valer, M., Delgado, M. A., Diego, R., Font, O., & Querol, X. (2016). Erratum: Corrigendum to "Speciation, behaviour, and fate of mercury under oxy-fuel combustion conditions" ([*Environ. Res.* (2016) 145 (154–161) (S0013935115301675) (10.1016/j.envres.2015.12.002)]). *Environmental Research*, 150. <https://doi.org/10.1016/j.envres.2016.06.015>

**FI 2016:** 3.835

**Categoria temàtica i quartil:**

Q1 ENVIRONMENTAL SCIENCE  
Q1 PUBLIC, ENVIRONMENTAL & OCCUPATIONAL HEALTH

**Córdoba, P.,** Ochoa-Gonzalez, R., Font, O., Izquierdo, M., Querol, X., Leiva, C., ... Tomás, A. (2012). Partitioning of trace inorganic elements in a coal-fired power plant equipped with a wet Flue Gas Desulphurisation system. *Fuel*, 92(1). <https://doi.org/10.1016/j.fuel.2011.07.025>

**FI 2012:** 3.357

**Categoria temàtica i quartil:**

Q1 ENGINEERING, ENVIRONMENTAL  
Q1 ENVIRONMENTAL SCIENCE

Font, O., **Córdoba, P.,** Leiva, C., Romeo, L. M., Bolea, I., Guedea, I., ... Díez, L. I. (2012). Fate and abatement of mercury and other trace elements in a coal fluidised bed oxy combustion pilot plant. *Fuel*, 95. <https://doi.org/10.1016/j.fuel.2011.12.017>

**FI 2012:** 3.357

**Categoria temàtica i quartil:**

Q1 ENGINEERING, ENVIRONMENTAL

Q1 ENVIRONMENTAL SCIENCE

## **GUADAYOL GALLEGO, MARTA**

**Guadayol, M.,** Cortina, M., Guadayol, J. M., & Caixach, J. (2016). Determination of dimethyl selenide and dimethyl sulphide compounds causing off-flavours in bottled mineral waters. *Water Research*, 92. <https://doi.org/10.1016/j.watres.2016.01.016>

**FI 2016:** 6.942

**Categoria temàtica i quartil:**

Q1 ENGINEERING, ENVIRONMENTAL

Q1 ENVIRONMENTAL SCIENCE

Q1 WATER RESOURCES

**Guadayol, M.,** Cortina, M., Guadayol, J., Caixach, J. Study of the presence of geosmin in bottled mineral water by CLSA and GC-MS. "Afinidad: revista de química teórica y aplicada", 01 Setembre 2015, vol. 72, núm. 571, p. 177-181.

## **Guimerà Villalba, Xavier**

**Guimera, X.,** Dorado, A. D., Bonsfills, A., Gabriel Buguña, G., Gabriel, D., & Gamisans, X. (2016). Dynamic characterization of external and internal mass transport in heterotrophic biofilms from microsensors measurements. *Water Research (Oxford)*, 102, 551–560. <https://doi.org/10.1016/j.watres.2016.07.009>

**FI 2016:** 6.942

**Categoria temàtica i quartil:**

Q1 ENGINEERING, ENVIRONMENTAL

Q1 ENVIRONMENTAL SCIENCES

Q1 WATER RESOURCES

**Guimera, X.,** Moya, A., Dorado, A. D., Villa, R., Gabriel, D., Gabriel Buguña, G., & Gamisans, X. (2015). Biofilm dynamics characterization using a novel DO-MEA sensor: mass transport and biokinetics. *Applied Microbiology and Biotechnology*, 99(1), 55–66. <https://doi.org/10.1007/s00253-014-5821-5>

**FI 2015:** 3.376

**Categoria temàtica i quartil:**

Q1 BIOTECHNOLOGY & APPLIED MICROBIOLOGY

**Categoria temàtica i quartil:**

Q1 BIOTECHNOLOGY & APPLIED MICROBIOLOGY

Moya, A., **Guimera, X.**, Del Campo, F., Prats-Alfonso, E., Dorado, A. D., Baeza, M., ... Gabriel Buguña, G. (2015). Profiling of oxygen in biofilms using individually addressable disk microelectrodes on a microfabricated needle. *Microchimica Acta*, 182(5–6), 985–993. <https://doi.org/10.1007/s00604-014-1405-4>

**FI 2015:** 4.831

**Categoria temàtica i quartil:**

Q1 CHEMISTRY, ANALYTICAL

Santos, A., **Guimerà, X.**, Dorado, A. D., Gamisans, X., & Gabriel, D. (2015). Conversion of chemical scrubbers to biotrickling filters for VOCs and H<sub>2</sub>S treatment at low contact times. *Applied Microbiology and Biotechnology*, 99(1), 67–76. <https://doi.org/10.1007/s00253-014-5796-2>

**FI 2015:** 3.376

**Categoria temàtica i quartil:**

Q1 BIOTECHNOLOGY & APPLIED MICROBIOLOGY

Moya, A., **Guimerà, X.**, Campo, F. J., Prats-alfonso, E., Dorado, A. D., & Baeza, M. (2014). Biofilm Oxygen Profiling using an Array of Microelectrodes on a Microfabricated Needle. In *Procedia Engineering* (Vol. 0, pp. 0–3).

**No disposa de FI de JCR**

**SJR de Scopus 2014:** 0.275

**Categoria temàtica i quartil:**

Q2 ENGINEERING

## **JIMÉNEZ FRANCO, ABIGAIL**

Canet, C., Hernández-Cruz, B., **Jiménez-Franco, A.**, Pi, T., Peláez, B., Villanueva-Estrada, R. E., ... Salinas, S. (2015). Combining ammonium mapping and short-wave infrared (SWIR) reflectance spectroscopy to constrain a model of hydrothermal alteration for the Acoculco geothermal zone, Eastern Mexico. *Geothermics*, 53. <https://doi.org/10.1016/j.geothermics.2014.05.012>

**FI 2015:** 2.323

**Categoria temàtica i quartil:**

Q2 ENERGY & FUELS

Q2 GEOSCIENCE, MULTIDISCIPLINARY

Garcia-Valles, M., Pi, T., Alfonso, P., Canet, C., Martínez, S., **Jiménez-Franco, A.**, ...  
Hernández-Cruz, B. (2015). Kaolin from Aocolulco (Puebla, Mexico) as raw  
material: Mineralogical and thermal characterization. *Clay Minerals*, 50(3).  
<https://doi.org/10.1180/claymin.2015.050.3.12>

**FI 2015:** 0.874

**Categoria temàtica i quartil:**

Q4 CHEMISTRY, PHYSICAL

Q4GEOSCIENCE, MULTIDISCIPLINARY

Q3 MINERALOGY

## **LLADÓ VALERO, JORDI**

**Llado, J.**, Gil, R., Lao, C., Sole, M., Fuente, E., & Ruiz, B. (2017). Highly microporous  
activated carbons derived from biocollagenic wastes of the leather industry as  
adsorbents of aromatic organic pollutants in water. *Journal of Environmental  
Chemical Engineering*, 1–34. <https://doi.org/10.1016/j.jece.2017.04.018>

**No disposa de FI de JCR**

**SJR de Scopus 2016:** 0.844

**Categoria temàtica i quartil:**

Q1 2016 CHEMICAL ENGINEERING (MISCELLANEOUS)

Q1 2016 POLLUTION

Q1 2016 WASTE MANAGEMENT AND DISPOSAL

**Llado, J.**, Lao, C., Ruiz, B., Fuente, E., Sole, M., & Dorado, A. D. (2015). Role of  
activated carbon properties in atrazine and paracetamol adsorption equilibrium and  
kinetics. *Process Safety and Environmental Protection*, 95, 51–59.  
<https://doi.org/10.1016/j.psep.2015.02.013>

**FI 2015:** 2.078

**Categoria temàtica i quartil:**

Q2 ENGINEERING, ENVIRONMENTAL

Q2 ENGINEERING, CHEMICAL

**Llado, J.**, Sole, M., Lao, C., Fuente, E., & Ruiz, B. (2016). Removal of pharmaceutical  
industry pollutants by coal-based activated carbons. *Process Safety and  
Environmental Protection*, 104, 294–303.  
<https://doi.org/10.1016/j.psep.2016.09.009>

**FI 2016:** 2.905

**Categoria temàtica i quartil:**

Q1 ENGINEERING, CHEMICAL

## MARY RODRIGUEZ GINESTA

**Mary, G.,** Dorado, A. D., Bonsfills, A., Gabriel, D., & Gamisans, X. (2013). Optimization of oxygen transfer through membrane diffusers for biological sweetening of biogas. *Chemical Engineering and Technology*, 36(3), 513–518. <https://doi.org/10.1002/ceat.201200603>

**FI 2013:** 2.175

**Categoria temàtica i quartil:**

Q2 ENGINEERING, CHEMICAL

**Mary, G.,** Dorado, A. D., Bonsfills, A., Sanahuja, R., Gabriel, D., & Gamisans, X. (2012). Optimization of oxygen transfer through venturi-based systems applied to the biological sweetening of biogas. *Journal of Chemical Technology & Biotechnology*, 87(6), 854–860. <https://doi.org/10.1002/jctb.3731>

**FI 2012:** 2.504

**Categoria temàtica i quartil:**

Q1 ENGINEERING, CHEMICAL

**Mary, G.,** Dorado, A. D., Fortuny, M., Gabriel, D., & Gamisans, X. (2014). Biotrickling filters for biogas sweetening: Oxygen transfer improvement for a reliable operation. *Process Safety and Environmental Protection*, 92(3), 261–268. <https://doi.org/10.1016/j.psep.2013.02.002>

**FI 2014:** 2.551

**Categoria temàtica i quartil:**

Q1 ENGINEERING, CHEMICAL

Moya, A., **Guimerà, X.**, Campo, F. J., Prats-alfonso, E., Dorado, A. D., & Baeza, M. (2014). Biofilm Oxygen Profiling using an Array of Microelectrodes on a Microfabricated Needle. In *Procedia Engineering* (Vol. 0, pp. 0–3).

**No disposa de FI de JCR**

**SJR de Scopus 2014:** 0.275

**Categoria temàtica i quartil:**

Q2 EalfonsoNGINEERING

## RIBAS FARGAS DAVID

**Ribas, D.,** Calderer, M., Marti, V., Johnsen, A. R., Aamand, J., Nilsson, B., ... Morici, C. (2017). Subsurface nitrate reduction under wetlands takes place in narrow superficial zones. *Environmental Technology*, 38(21), 2725–2732. <https://doi.org/10.1080/09593330.2016.1276220>

**FI 2016:** 1.751

**Categoria temàtica i quartil:**  
Q4 STATISTICS & PROBABILITY

**Ribas, D.,** Cernik, M., Martí, V., & Benito, J. A. (2016). Improvements in nanoscale zero-valent iron production by milling through the addition of alumina. *Journal of Nanoparticle Research*, 18(7), 181. <https://doi.org/10.1007/s11051-016-3490-2>

**FI 2016:** 2.020

**Categoria temàtica i quartil:**  
Q2 CHEMISTRY, MULTIDISCIPLINARY  
Q3 NANOSCIENCE & NANOTECHNOLOGY  
Q2 MATERIALS SCIENCE, MULTIDISCIPLINARY

**Ribas, D.,** Calderer, M., Martí, V., & Rovira, M. (2013). Effect of different seasonal conditions on the potential of wetland soils for groundwater denitrification. *Desalination and Water Treatment*, 1–7. <https://doi.org/10.1080/19443994.2013.871344>

**FI 2013:** 0.987

**Categoria temàtica i quartil:**  
Q3 ENGINEERING, CHEMICAL  
Q3 WATER RESOURCES

## **RIBERA SIMÓN, GEMMA**

**Ribera, G.,** Clarens, F., Martínez-Lladó, X., Jubany, I., V.Martí, & Rovira, M. (2014). Life cycle and human health risk assessments as tools for decision making in the design and implementation of nanofiltration in drinking water treatment plants. *Science of the Total Environment*, 466–467. <https://doi.org/10.1016/j.scitotenv.2013.06.085>

**FI 2014:** 4.099

**Categoria temàtica i quartil:**  
Q1 ENVIRONMENTAL SCIENCES

**Ribera, G.,** Llenas, L., Martínez, X., Rovira, M., & de Pablo, J. (2013). Comparison of nanofiltration membranes' performance in flat sheet and spiral wound configurations: A scale-up study. *Desalination and Water Treatment*, 51(1–3). <https://doi.org/10.1080/19443994.2012.714527>

**FI 2013:** 4.987

**Categoria temàtica i quartil:**  
Q3 ENGINEERING, CHEMICAL

### Q3 WATER RESOURCES

**Ribera, G.**, Llenas, L., Rovira, M., de Pablo, J., & Martínez-Llado, X. (2013). Pilot plant comparison study of two commercial nanofiltration membranes in a drinking water treatment plant. *Desalination and Water Treatment*, 51(1–3).  
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**FI 2013:** 4.987

**Categoria temàtica i quartil:**

Q3 ENGINEERING, CHEMICAL

Q3 WATER RESOURCES

Llenas, L., **Ribera, G.**, Martínez-Lladó, X., Rovira, M., & de Pablo, J. (2013). Selection of nanofiltration membranes as pretreatment for scaling prevention in SWRO using real seawater. *Desalination and Water Treatment*, 51(4–6).  
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**FI 2013:** 0.987

**Categoria temàtica i quartil:**

Q3 ENGINEERING, CHEMICAL

Q3 WATER RESOURCES

Valderrama, C., **Ribera, G.**, Bahí, N., Rovira, M., Giménez, T., Nomen, R., ... Martínez-Lladó, X. (2012). Winery wastewater treatment for water reuse purpose: Conventional activated sludge versus membrane bioreactor (MBR). A comparative case study. *Desalination*, 306. <https://doi.org/10.1016/j.desal.2012.08.016>

**FI 2012:** 3.041

**Categoria temàtica i quartil:**

Q1 ENGINEERING, CHEMICAL

Q1 WATER RESOURCES

Cortés-Francisco, N., Harir, M., Lucio, M., **Ribera, G.**, Martínez-Lladó, X., Rovira, M., ... Caixach, J. (2014). High-field FT-ICR mass spectrometry and NMR spectroscopy to characterize DOM removal through a nanofiltration pilot plant. *Water Research*, 67. <https://doi.org/10.1016/j.watres.2014.08.046>

**FI 2014:** 5.528

**Categoria temàtica i quartil:**

Q1 ENGINEERING, ENVIRONMENTAL

Q1 ENVIRONMENTAL SCIENCES

Q1 WATER RESOURCES

**TICO FALGUERA, NEUS**

Peña-Pitarch, E., **Falguera, N. T.**, Lopez Martinez, J. A., Omar, A. A., & Larrión, I. A. (2016). Driving device for a hand movement without external force. *Mechanism and Machine Theory*, 105. <https://doi.org/10.1016/j.mechmachtheory.2016.07.014>

**FI 2016:** 2.577

**Categoria temàtica i quartil:**

Q1 ENGINEERING, MECANICAL

Peña-Pitarch, E., **Falguera, N. T.**, & Yang, J. (James). (2014). Virtual human hand: model and kinematics. *Computer Methods in Biomechanics and Biomedical Engineering*, 17(5), 568–579. <https://doi.org/10.1080/10255842.2012.702864>

**FI 2014:** 1.770

**Categoria temàtica i quartil:**

Q2 COMPUTER SCIENCE, INTERDISCIPLINARI APPLICAT

Q2 ENGINEERING, MECANICAL

## **Zhang Haoran**

**Zhang, H.**, Sanmiquel, L., Vintro, C., & Yaojiang, Z. (2014). Applied research of u-shape ventilation network in underground mine. *Badania stoswane sicie wentylacyjnej w ksztalacie,, u’’ w kopalni podziemnej. Archives of Mining Sciences*, 59(2), 381–394. Retrieved from <http://hdl.handle.net/2117/23993>;

**No disposa de FI 2014 de JCR**

**FI 2013:** 0.608

**FI 2015:** 0.448

**SJR de Scopus 2014:** 0.290

**Categoria temàtica i quartil:**

JCR 2013 Q3 MINING & MINERAL PROCESSING

JCR 2015 Q4 MINING & MINERAL PROCESSING

SJR 2014 Q3 GEOTECHNICAL ENGINEERING AND ENGINEERING GEOLOGY

**Zhang, H.**, Sanmiquel, L., Zhao, Y., & Vintro, C. (2015). Researches and applications on geostatistical simulation and laboratory modeling of mine ventilation network and gas drainage zone. *Process Safety and Environmental Protection*, 94, 55–64. <https://doi.org/10.1016/j.psep.2014.10.003>

**FI 2015:** 2.078

**Categoria temàtica i quartil:**

Q2 ENGINEERING, ENVIRONMENTAL

Q2 ENGINEERING, CHEMICAL

