

# Análisis bibliográfico de los artículos con autoría española en materiales compuestos.

## 1<sup>er</sup> y 2<sup>o</sup> trimestre de 2019

### Prefacio

En su afán por divulgar el conocimiento en materiales compuestos generado en España y posibilitar el establecimiento de sinergias entre los distintos centros, y entre ellos y el tejido productivo, AEMAC hace un seguimiento de los artículos que se generan en revistas científicas y los condensa en estos informes periódicos.

El siguiente listado NO contiene todos los que se habrán generado. Ver los criterios de búsqueda al final de este documento. Este listado se ha generado a 10 de Junio de 2019.

El listado de artículos sigue a los publicados en el [1T 2018](#), [2T y 3T 2018](#) y [4T 2018](#).

### Listado de artículos aparecidos el 1er y 2º trimestre de 2019

Abdolpour, H., Garzon-Roca, J., & Mameghani, P. (2019). Increasing flexural performance of hybrid sandwich panels by using strain hardening cementitious base composite and glass fiber-reinforced polymer. *Journal of Composite Materials*, 53(1), 19-31. doi:10.1177/0021998318780206

Allue, A., Corte-Leon, P., Gondra, K., Zhukova, V., Ipatov, M., Blanco, J. M., . . . Zhukov, A. (2019). Smart composites with embedded magnetic microwire inclusions allowing non-contact stresses and temperature monitoring. *Composites Part a-Applied Science and Manufacturing*, 120, 12-20. doi:10.1016/j.compositesa.2019.02.014

Arrese, A., Insausti, N., Mujika, F., Perez-Galmes, M., & Renart, J. (2019). A novel experimental procedure to determine the cohesive law in ENF tests. *Composites Science and Technology*, 170, 42-50. doi:10.1016/j.compscitech.2018.11.031

Barandiaran, I., Gutierrez, J., Etxeberria, H., Tercjak, A., & Kortaberria, G. (2019). Tuning photoresponsive and dielectric properties of PVA/CdSe films by capping agent change. *Composites Part a-Applied Science and Manufacturing*, 118, 194-201. doi:10.1016/j.compositesa.2018.12.028

Barberena-Fernandez, A. M., Blanco-Varela, M. T., & Carmona-Quiroga, P. M. (2019). Use of nanosilica- or nanolime-added TEOS to consolidate cementitious materials in heritage structures: Physical and mechanical

properties of mortars. *Cement & Concrete Composites*, 95, 271-276.  
doi:10.1016/j.cemconcomp.2018.09.011

- Barbu, L. G., Cornejo, A., Martinez, X., Oller, S., & Barbat, A. H. (2019). Methodology for the analysis of post-tensioned structures using a constitutive serial-parallel rule of mixtures: Large scale non-linear analysis. *Composite Structures*, 216, 315-330. doi:10.1016/j.compstruct.2019.02.092
- Barbu, L. G., Oller, S., Martinez, X., & Barbat, A. H. (2019). High-cycle fatigue constitutive model and a load-advance strategy for the analysis of unidirectional fiber reinforced composites subjected to longitudinal loads. *Composite Structures*, 220, 622-641. doi:10.1016/j.compstruct.2019.04.015
- Battegazzore, D., Abt, T., Maspoch, M. L., & Frache, A. (2019). Multilayer cotton fabric bio-composites based on PLA and PHB copolymer for industrial load carrying applications. *Composites Part B-Engineering*, 163, 761-768. doi:10.1016/j.compositesb.2019.01.057
- Bergara, A., Dorado, J. I., Martin-Meizose, A., & Martinez-Esnaola, J. M. Fatigue crack propagation at aeronautic engine vane guides using the extended finite element method (XFEM). *Mechanics of Advanced Materials and Structures*. doi:10.1080/15376494.2019.1602236
- Cameselle-Molares, A., Vassilopoulos, A. P., Renart, J., Turon, A., & Keller, T. (2019). Numerically-based method for fracture characterization of Mode I-dominated two-dimensional delamination in FRP laminates. *Composite Structures*, 214, 143-152. doi:10.1016/j.compstruct.2019.02.014
- Caminero, M. A., Garcia-Moreno, I., Rodriguez, G. P., & Chacon, J. M. (2019). Internal damage evaluation of composite structures using phased array ultrasonic technique: Impact damage assessment in CFRP and 3D printed reinforced composites. *Composites Part B-Engineering*, 165, 131-142. doi:10.1016/j.compositesb.2018.11.091
- Caneda-Martinez, L., Sanchez, J., Medina, C., de Rojas, M. I. S., Torres, J., & Frias, M. (2019). Reuse of coal mining waste to lengthen the service life of cementitious matrices. *Cement & Concrete Composites*, 99, 72-79. doi:10.1016/j.cemconcomp.2019.03.007
- Canillas, M., Geever, T., Vieira, K., Nugent, M. J. D., Killion, J. A., Devine, D. M., & Rodriguez, M. A. (2019). Photopolymerization for filling porous ceramic matrix: Improvement of mechanical properties and drug delivering behavior. *Polymer Composites*, 40(4), 1654-1662. doi:10.1002/pc.24914
- Carreras, L., Renart, J., Turon, A., Costa, J., Bak, B. L. V., Lindgaard, E., . . . Essa, Y. (2019). A benchmark test for validating 3D simulation methods for delamination growth under quasi-static and fatigue loading. *Composite Structures*, 210, 932-941. doi:10.1016/j.compstruct.2018.12.008
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- Khorami, M. (2019). Optimum cost design of frames using genetic algorithms. *Steel and Composite Structures*, 30(3), 293-304. doi:10.12989/scs.2019.30.3.293
- Correia, D. M., Ribeiro, S., da Costa, A., Ribeiro, C., Casal, M., Lanceros-Mendez, S., & Machado, R. (2019). Development of bio-hybrid piezoresistive nanocomposites using silk-elastin protein copolymers. *Composites Science and Technology*, 172, 134-142. doi:10.1016/j.compscitech.2019.01.017
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- De Luca, A., Perfetto, D., De Fenza, A., Petrone, G., & Caputo, F. (2019). Guided waves in a composite winglet structure: Numerical and experimental investigations. *Composite Structures*, 210, 96-108. doi:10.1016/j.compstruct.2018.11.048
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Ikumi, T., Cavalaro, S. H. P., & Segura, I. (2019). The role of porosity in external sulphate attack. *Cement & Concrete Composites*, 97, 1-12. doi:10.1016/j.cemconcomp.2018.12.016

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Kinvi-Dossou, G., Boumbimba, R. M., Bonfoh, N., Garzon-Hernandez, S., Garcia-Gonzalez, D., Gerard, P., & Arias, A. (2019). Innovative acrylic thermoplastic composites versus conventional composites: Improving the impact performances. *Composite Structures*, 217, 1-13. doi:10.1016/j.compstruct.2019.02.090

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Sasikumar, A., Trias, D., Costa, J., Blanco, N., Orr, J., & Linde, P. (2019). Impact and compression after impact response in thin laminates of spread-tow woven and non-crimp fabrics. *Composite Structures*, *215*, 432-445.

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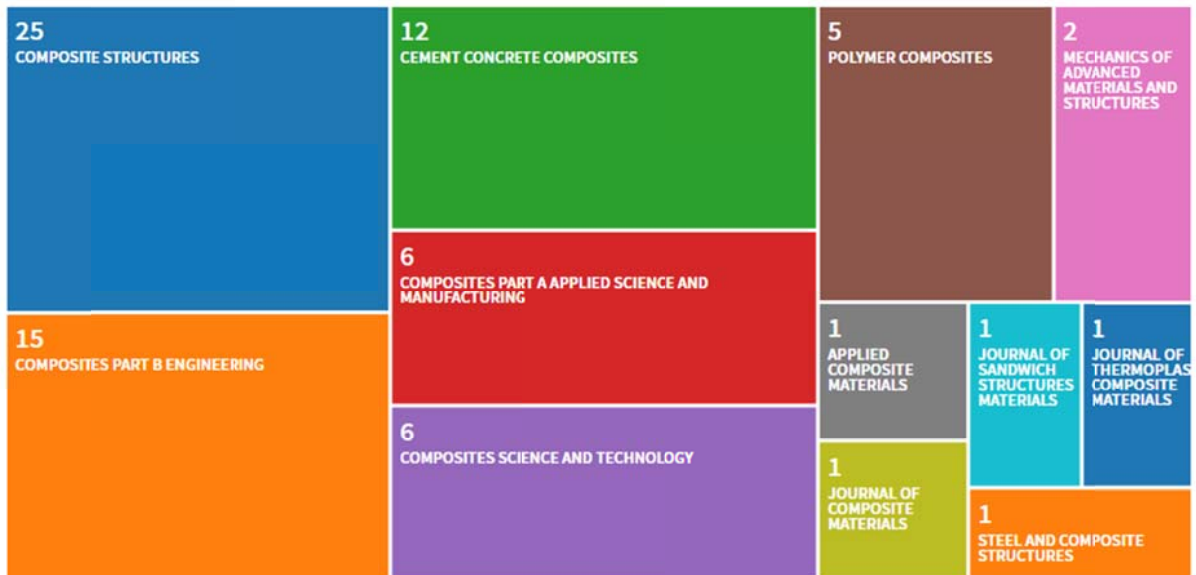
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## Datos bibliográficos agregados (2019)

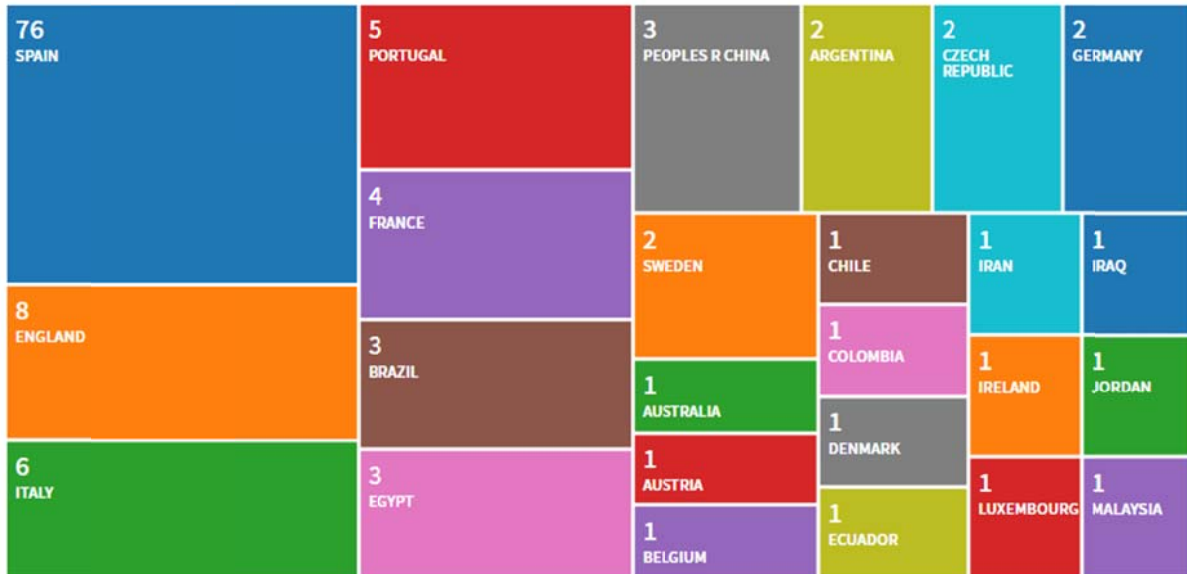
### Revistas



### Grupos



## Países colaboradores



## Áreas temáticas



## Agencias financiadoras



## Criterios de búsqueda

Los artículos incluidos en el presente listado son los que aparecen en la base de datos “*Science Citation Index Expanded (SCI-EXPANDED) from Web of Knowledge Core Collection*” de Clarivate Analytics, con las restricciones: Subject = “Materials Science, Composites” y Country = “Spain”. Por lo tanto, por ejemplo, no aparecerán artículos de autores españoles afiliados a centros extranjeros ni artículos de composites publicados en revistas indexadas en otras materias (*subjects*).

## Contribución a la ampliación de los criterios de búsqueda

Para identificar los artículos sobre materiales compuestos con autoría de centros de investigación españoles publicados en revistas indexadas en otras materias (*subjects*), los centros pueden enviar a AEMAC ([administración@aemac.org](mailto:administración@aemac.org)) los criterios de “búsqueda avanzada” a utilizar en la base de datos antes citada que permitan identificar sin ambigüedad las publicaciones del centro. No se atenderá a la recepción de artículos individuales ni a criterios de “búsqueda avanzada” que no estén en el formato de la base de datos (el formato aceptable será el resultado de un “Saved Search” en la ventana de búsquedas avanzadas de la base de datos). El centro debe haber comprobado la fiabilidad del criterio de búsqueda (no debe generar ni artículos de otros campos ni de otros autores).

## Descargo de responsabilidad

La información contenida en este listado está destinada únicamente a fines informativos con objeto de fomentar su difusión en el sector español y se ha recabado de bases de datos de terceros. Por la presente nota de descargo de responsabilidad, AEMAC declina cualquier responsabilidad por omisión o inexactitud de la información recogida en este documento.