

Análisis bibliográfico de los artículos con autoría española en materiales compuestos.  
3<sup>er</sup> y 4<sup>o</sup> trimestre de 2020

## 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 12 de Enero de 2021.

El listado de artículos sigue a los publicados en el [1T 2018](#), [2T y 3T 2018](#), [4T 2018](#), [1T y 2T 2019](#), [3T 2019](#), [4T 2019](#) y [1T y 2T 2020](#).

## Listado de artículos aparecidos el 3<sup>er</sup> y 4<sup>o</sup> trimestre de 2020

Alkhatib, F., Mahdi, E., & Dean, A. (2020). Crushing response of CFRP and KFRP composite corrugated tubes to quasi-static slipping axial loading: Experimental investigation and numerical simulation. *Composite Structures*, 246. doi:10.1016/j.compstruct.2020.112370

Andrade, C., Saucedo, L., Rebolledo, N., Cabeza, S., & Meinel, D. (2020). X-Ray computed tomography and traditional analysis of a capillary absorption test in cement pastes. *Cement & Concrete Composites*, 113. doi:10.1016/j.cemconcomp.2020.103634

Ania, F., Gomez-Fatou, M. A., Salavagione, H. J., Enrique-Jimenez, P., Quiles-Diaz, S., & Flores, A. (2020). Creep behaviour of elastomeric nanocomposites by flat punch indentation: Influence of graphene modification and content. *Composites Science and Technology*, 198. doi:10.1016/j.compscitech.2020.108311

Asensio, M., Esfandiari, P., Nunez, K., Silva, J. F., Marques, A., Merino, J. C., & Pastor, J. M. (2020). Processing of pre-impregnated thermoplastic towpreg reinforced by continuous glass fibre and recycled PET by pultrusion. *Composites Part B-Engineering*, 200. doi:10.1016/j.compositesb.2020.108365

Belkhdja, Y., Ouinas, D., Fekirini, H., Olay, J. A. V., & Touahmia, M. (2020). Three new hybrid quasi-3D and 2D higher-order shear deformation theories for free vibration analysis of functionally graded material monolayer and sandwich plates with stretching effect. *Advanced Composites Letters*, 29. doi:10.1177/0963693520941865

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- Dean, A., Kumar, P. K. A. V., Reinoso, J., Gerendt, C., Paggi, M., Mahdi, E., & Rolfes, R. (2020). A multi phase-field fracture model for long fiber reinforced composites based on the Puck theory of failure. *Composite Structures*, 251. doi:10.1016/j.compstruct.2020.112446
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- Sasikumar, A., Costa, J., Trias, D., Llobet, J., Cozar, I. R., Turon, A., & Linde, P. (2020). A virtual testing based search for optimum compression after impact strength in thin laminates using ply-thickness hybridization and unsymmetrical designs. *Composites Science and Technology*, 196. doi:10.1016/j.compscitech.2020.108188



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Serna Moreno, M. C., & Horta Munoz, S. (2020). Mechanical response of +/- 45 degrees angle-ply CFRP plates under low-velocity impact and quasi-static indentation: Influence of the multidirectional strain state. *Composites Science and Technology*, 194. doi:10.1016/j.compscitech.2020.108145

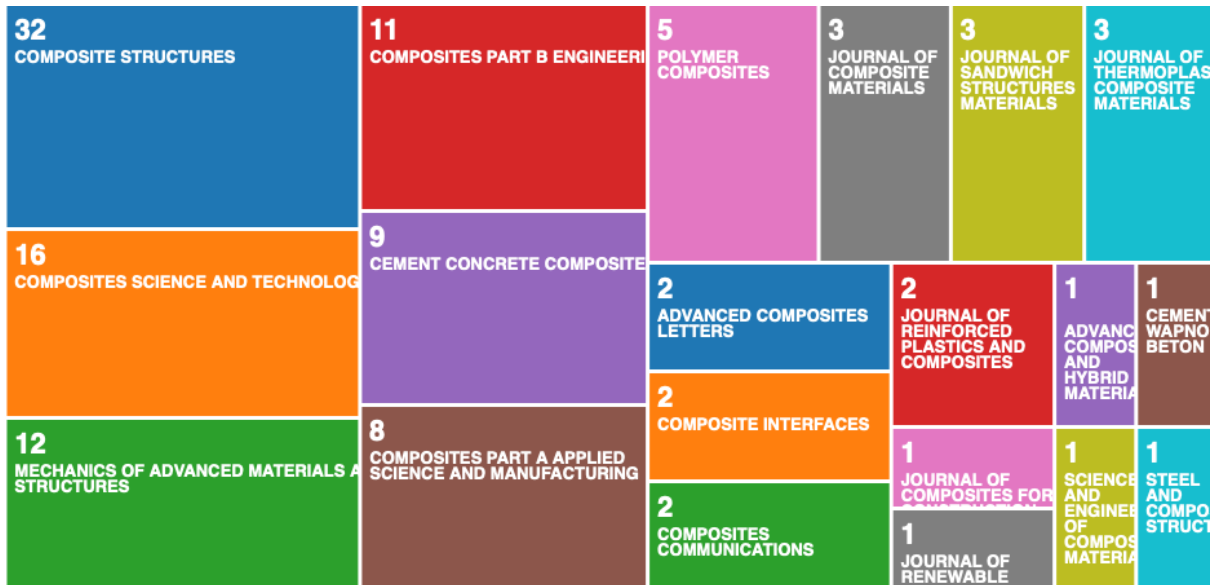
Sharaky, I. A., Mohamed, H. A., Torres, L., & Emara, M. (2020). Flexural behavior of rubberized concrete beams strengthened in shear using welded wire mesh. *Composite Structures*, 247. doi:10.1016/j.compstruct.2020.112485

Sierra-Chi, C. A., Aguilar-Bolados, H., Lopez-Manchado, M. A., Verdejo, R., Caich-Rodriguez, J. V., & Aviles, F. (2020). Flexural electromechanical properties of multilayer graphene sheet/carbon nanotube/vinyl ester hybrid nanocomposites. *Composites Science and Technology*, 194. doi:10.1016/j.compscitech.2020.108164

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## Datos bibliográficos agregados (2020)

### Revistas



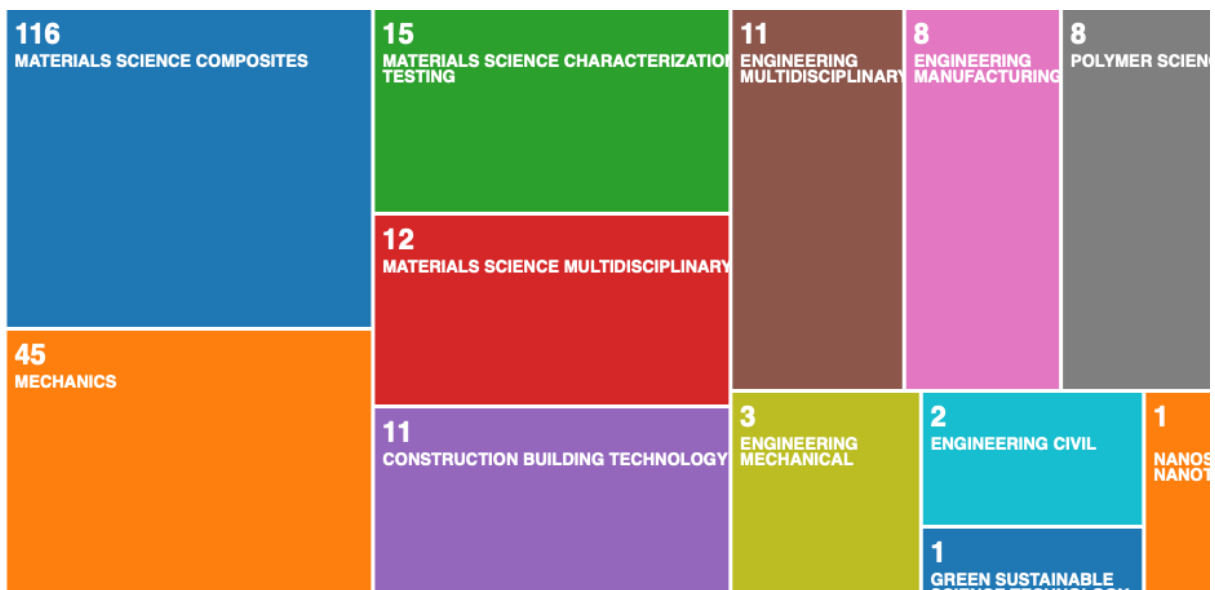
### Grupos



## 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.