PRODUCTIVIDAD ACADÉMICA DEL NAB

En este apartado se enlista la producción académica del NAB de la MCING. La Tabla 1 muestra un resumen de la información de cada uno de los profesores investigadores y en la LGAC en la que se encuentran trabajando. Es importante mencionar que los números entre paréntesis en color rojo indican el número de trabajos en los que no hubo colaboración entre los integrantes de la misma línea de investigación.

TABLA 1. RESUMEN DE PRODUCCIÓN DEL NAB DE LA MCING

LGAC : *TECNOLOGÍAS DE LA INFORMACIÓN Y COMUNICACIONES*			
Profesor	Artículos JCR	Artículos Indexados	Capítulos de Libro
Roberto Alejo Eleuterio	8	4	5
Eréndira Rendón Lara	3	3	4
Itzel María Abundez Barrera	1	0	1
TOTAL	**12 (9)**	**7 (5)**	**10 (5)**
LGAC : *INGENIERÍA DE MATERIALES*			
Celso Hernández Tenorio	4	4	0
Hilda Moreno Saavedra	1	3	0
José Luis García Rivas	7	3	1
Rosa María Fuentes Rivas	9	0	0
TOTAL	**21 (18)**	**10 (7)**	**1 (1)**
LGAC : *INGENIERÍA MOLECULAR*			
Juan Horacio Pacheco Sánchez	9	8	0
Guillermo Carbajal Franco	3	6	0
María Sonia Mireya Martínez Gallegos	8	7	1
Francisco Javier Illescas Martínez	11	9	1
TOTAL	**31 (24)**	**30 (25)**	**2 (2)**
TOTAL NAB	**64 (51)**	**47 (37)**	**13 (8)**

Por otra parte, se presentan las tablas desglosadas por LGAC (Tecnologías de la Información y Comunicaciones, Ingeniería de Materiales e Ingeniería Molecular); además, dicha producción se clasificó de la siguiente forma: 1. Revistas JCR, 2. Revistas Arbitradas y 3. Capítulos de libros. De esta manera se puede observar que la producción académica del NAB es vasta: en la LGAC de Tecnologías de la Información y Comunicaciones se

tienen 9 artículos en revistas JCR, 5 en revistas indexadas y 5 capítulos en libros. En la LGAC de Ingeniería de Materiales se tienen 18 artículos en revistas JCR, 7 artículos en revistas indexadas y 1 capítulos de libros, y finalmente, en la LGAC de Ingeniería Molecular se cuenta con 24 artículos en revistas JCR, 25 en revistas indexadas y 2 capítulos de libro.

1. REVISTAS JCR

NOMBRE DEL INVESTIGADOR	PRODUCCIÓN
LGAC:	*TECNOLOGÍAS DE LA INFORMACIÓN Y COMUNICACIONES*
ROBERTO ALEJO ELEUTERIO	DFT study of hydrogen storage on the metallic decoration of boron substitution on zeolite templated carbon vacancy. Frank J. Isidro-Ortega, Juan H. Pacheco-Sánchez, Abraham González-Ruíz, R. Alejo. International Journal of Hydrogen Energy 2020, In Press. Elsevier doi: 10.1016/j.ijhydene.2020.05.017
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	Theoretical studies in the stability of vacancies in zeolite templated carbon for hydrogen storage. Frank J. Isidro-Ortega, Juan H. Pacheco-Sánchez, R. Alejo, Luis A. Desales-Guzmán, J. Salvador Arellano. International Journal of Hidrogen Energy 2019, 44(13), 6437-6447. Elsevier doi: 10.1016/j.ijhydene.2019.01.196
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	Bayesian Learning on Discrete Systems of Two Classes. J. H. Pacheco-Sánchez, R. D. Vera-Torres, R. Alejo. International Journal of Pattern Recognition and Artificial Intelligence 2018, 32(1), 1860013, 1-28. ©World Scientific Publishing Company doi:10.1142/S0218001418600133
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	Clustering algorithms: An Application for adsorption kinetic curves. Eréndira Rendón Lara, Roberto Alejo Eleuterio, José

	Luis García Rivas. IEEE LATIN AMERICAN TRANSACTION. En prensa (aceptado).
ERÉNDIRA RENDON LARA	Data Sampling Methods to Deal with the Big DataMulti-Class Imbalance Problem. Eréndira Rendón, Roberto Alejo, Carlos Castorena, Frank J. Isidro-Ortega, Everardo E. Granda-Gutiérrez. Applied Sciences 2020, 10, 1276. MDPI doi:10.3390/app10041276
	The mining of materials with similar electronic properties from the Crystallographic Open Database (COD). Guillermo Carbajal Franco, Eréndira Rendón Lara, Itzel María Abundez Barrera, A. Vázquez Aguilar. Materials Research Express 2020, 7(3), 035903. IOP Science doi: 10.1088/2053-1591/ab7b2b
	Clustering algorithms: An Application for adsorption kinetic curves. Eréndira Rendón Lara, Roberto Alejo Eleuterio, José Luis García Rivas. IEEE LATIN AMERICAN TRANSACTION. En prensa (aceptado).
ITZEL MARÍA ABUNDEZ BARRERA	The mining of materials with similar electronic properties from the Crystallographic Open Database (COD). Guillermo Carbajal Franco, Eréndira Rendón Lara, Itzel María Abundez Barrera, A. Vázquez Aguilar. Materials Research Express 2020, 7(3), 035903. IOP Science doi: 10.1088/2053-1591/ab7b2b
LGAC:	INGENIERÍA DE MATERIALES
HILDA SAAVEDRA MORENO	Liquid Plasma Iodine Doping of Electrochemically Synthesized Polypyrrole to Enhance the Electromagnetic Absorption. Miguel Villanueva-Castañeda, Celso Hernández-Tenorio, Hilda Moreno-Saavedra, Ma. Guadalupe Olayo, Guillermo J. Cruz. Journal of Inorganic and Organometallic Polymers and Materials 2020, 30, 2098-2104. Springer doi: 10.1007/s10904-019-01371-1
CELSO HERNANDEZ TENORIO	Liquid Plasma Iodine Doping of Electrochemically Synthesized Polypyrrole to Enhance the Electromagnetic Absorption. Miguel Villanueva-Castañeda, Celso Hernández-Tenorio, Hilda Moreno-Saavedra, Ma. Guadalupe Olayo, Guillermo J. Cruz. Journal of Inorganic and Organometallic Polymers and Materials 2020, 30, 2098-2104. Springer doi: 10.1007/s10904-019-01371-1
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JOSÉ LUIS GARCÍA RIVAS	Synthesis of Chitosan-Polyvinyl Alcohol Biopolymers to Eliminate Fluorides from Water. Cecilia Judith Valdez-Alegría, <mark>Rosa María Fuentes-Rivas, José Luis García-Rivas,</mark> Rosa Elvira Zavala Arce, María de la Luz Jiménez Núñez and Beatriz García-Gaitán. *Biomolecules* 2020, *10*(1), 156. MDPI doi: 10.3390/biom10010156
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GUILLERMO CARBAJAL FRANCO	The mining of materials with similar electronic properties from the Crystallographic Open Database (COD). Guillermo Carbajal Franco, Eréndira Rendón Lara, Itzel María Abundez Barrera, A. Vázquez Aguilar. Materials Research Express 2020, 7(3), 035903. IOP Science doi: 10.1088/2053-1591/ab7b2b
	Water recovery from textile wastewater treatment by encapsulated cells of *Phanerochaete chrysosporium* and ultrafiltration system R. E. Sierra-Solache, C. Muro, A. Maciel, J. Illescas, M. C. Díaz, G. Carbajal-Franco, O. A. Hernández. Biologia doi: 10.2478/s11756-020-00466-2
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JUAN HORACIO PACHECO SÁNCHEZ	Hydrogen storage in Ca-decorated carbyne C$_{10}$-ring on either D$_{nh}$ or D$_{(n/2)h}$ symmetry. DFT study. Luis A. Desales-Guzmán, Juan H. Pacheco-Sánchez, Frank J. Isidro-Ortega, Karen de la Mora-Zarco. International Journal of Hydrogen Energy 2020, 45(11), 6780-6792. Elsevier doi: 10.1016/j.ijhydene.2019.12.151
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2. REVISTAS INDEXADAS

NOMBRE DEL INVESTIGADOR	PRODUCCIÓN
LGAC:	***TECNOLOGÍAS DE LA INFORMACIÓN Y COMUNICACIÓN***
ROBERTO ALEJO ELEUTERIO	Synthesis and characterization of polypyrrole thin films in a resistive plasma reactor by high frequency. E. de la Cruz Reyes, C. Hernández-Tenorio, M. Villanueva-Castañeda, H. Moreno-Saavedra, R. Alejo Eleuterio. MRS Advances 2019, 4(59-60), 3311-3317. Materials Research Society doi: 10.1557/adv.2019.25
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3. CAPÍTULOS DE LIBROS

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LGAC:	***TECNOLOGÍAS DE LA INFORMACIÓN Y COMUNICACIÓN***
ROBERTO ALEJO ELEUTERIO	Analysis of Repair Costs of Scholar Buildings Affected by Earthquakes Using Data Mining. Case Study: Earthquakes of 2017 in Mexico. Graciela Garcia-Rueda, Rosa M. Valdovinos, Jesús Valdés-González, Roberto Alejo, J. Leonardo González-Ruiz, José R. Marcial-Romero ©Springer Nature Switzerland AG 2020K. M. Figueroa Mora *et al.* (Eds.): MCPR 2020, LNCS 12088, pp. 45–56, 2020. https://doi.org/10.1007/978-3-030-49076-8_5.
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JOSE LUIS GARCÍA RIVAS	Influence of the synthesis method on the preparation composites derived from TiO_2-LDH for Phenol Photodegradation. Juan C. Contreras-Ruiz, Sonia Martínez-Gallegos, José L. García-Rivas, Julio C. González-Juárez, Eduardo Ordoñez. Chapter http://dx.doi.org/10.5772/intechopen.72279
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