

Productividad académica relevante

Tabla 1. Artículos científicos en revistas indizadas (FI = factor de impacto), organizados por año (2018-2021) y por LGAC.

LGAC	Título	Participantes	Medio	FI	Fecha	Enlace (DOI)
2018						
MCN	Evaluation of surface treatments on 5052-H32 aluminum alloy for enhancing the interfacial adhesion of thermoplastic-based fiber metal laminates	González Canche Nancy Guadalupe; Flores-Johnson, Emmanuel Alejandro; Cortes, P.; Carrillo-Baeza, José Gonzalo	International journal of adhesion and adhesives	2.501	04/01/2018	https://doi.org/10.1016/j.ijadhadh.2018.01.003
	Solar ray tracing analysis to determine energy availability in a cpc designed for use as a residential water heater	Terrón-Hernández, Miguel; Peña-Cruz, Manuel I.; Carrillo-Baeza, José Gonzalo; Diego-Ayala, U.; Flores, Vicente	Energies	2.707	25/01/2018	https://doi.org/10.3390/en11020291
	Selective damage sensing in multiscale hierarchical composites by tailoring the location of carbon nanotubes	Ku-Herrera, José de Jesús; La Saponara, V.; Avilés-Cetina, Francis	Journal of intelligent material systems and structures	2.582	22/03/2018	https://doi.org/10.1177/1045389X17711790
	A comparative study on the mechanical, electrical and piezoresistive properties of polymer composites using carbon nanostructures of different topology	Avilés-Cetina, Francis; May-Pat, A.; López-Manchado, M.A.; Verdejo, R.; Bachmatiuk A.; Rummeli M. H.	European polymer journal	3.621	01/02/2018	https://doi.org/10.1016/j.eurpolymj.2017.12.038
	Thermoresistive mechanisms of carbon nanotube / polymer composites	Cen Puc Marco Antonio; Oliva Avilés Andrés Iván; Avilés-Cetina, Francis	Physica E-low-dimensional systems & nanostructures	3.176	10/01/2018	https://doi.org/10.1016/j.physe.2017.09.001
	Examination of the plate twist specimen for thick especially orthotropic laminated composites and sandwich plates by using first-order shear deformation theory	Guillén-Rujano, R.; Hernández-Pérez, Adrián; Avilés-Cetina, Francis	Journal of sandwich structures & materials	5.015	25/02/2018	https://doi.org/10.1177/1099636217748349

Piezoresistivity, strain and damage self-sensing of polymer composites filled with carbon nanostructures	Avilés-Cetina, Francis; Oliva Avilés Andrés Iván; Cen Puc Marco Antonio	Advanced engineering materials	2.906	22/03/2018	https://doi.org/10.1002/adem.201701159
Electrical self-sensing of impact damage in multiscale hierarchical composites with tailored location of carbon nanotube networks	Isaac Medina Brian Kostadinov Shalon; Alonzo-García, A.; Avilés-Cetina, Francis	Structural health monitoring	4.939	03/06/2018	https://doi.org/10.1177/1475921718776198
A 17.5 kwel high flux solar simulator with controllable flux-spot capabilities: design and validation study	Martínez-Manuel, L.; Peña-Cruz, Manuel I.; Villa-Medina, M.; Ojeda-Bernal, C.; Prado-Zermeño, M.; Prado-Zermeño, I.; Pineda-Arellano, C. A.; Carrillo-Baeza, José Gonzalo; Salgado-Tránsito, I.; Martell-Chávez, F.	Solar energy	4.674	01/08/2018	https://doi.org/10.1016/j.solener.2018.05.088
Dimensional scaling and failure pattern of the tensile properties of angle-ply thermoplastic composites of twaron fiber/polypropylene	Martín-Barrera, C.; Soberanis-Monforte, Genaro A.; González-Chi, Pedro I.	Frontiers in materials	2.689	28/06/2018	https://doi.org/10.3389/fmats.2018.00036
Microstructure and mechanical properties of hard acrocomia mexicana fruit shell	Flores-Johnson, Emmanuel Alejandro; Carrillo-Baeza, José Gonzalo; Zhai, C.; Gamboa Castellanos Ricardo Alberto; Gan, Y.; Shen, L.	Scientific reports	4.011	25/06/2018	https://doi.org/10.1038/s41598-018-27282-8
A dielectrophoretic study of the carbon nanotube chaining process and its dependence on the local electric fields	Oliva Avilés Andrés Iván; Alonzo-García, A.; Zozulya-Volodimir, V.; Gamboa, F.; Cob, J.; Avilés-Cetina, Francis	Meccanica	2.316	04/07/2018	https://doi.org/10.1007/s11012-018-0869-4
Solution of the elastodynamic contact problem for a cracked body using the boundary integral equation method	Zozulya-Volodimir, V.	Mechanics of advanced materials and structures	2.873	15/02/2018	https://doi.org/10.1080/15376494.2018.1430279

Higher order couple stress theory of plates and shells	Zozulya-Volodimir, V.	ZAMM-Zeitschrift für angewandte mathematik und mechanik	1.467	19/07/2018	https://doi.org/10.1002/zamm.201800022
Comparative study of time and frequency domain approaches in contact problem for the I-mode crack under harmonic loading	Czekanski, A.; Zozulya-Volodimir, V.	Engineering analysis with boundary elements	2.243	01/10/2018	https://doi.org/10.1016/j.enganabound.2018.07.009
Production and modification of cellulose nanocrystals from agave tequilana weber waste and its effect on the melt rheology of pla	Pech Cohuo Soledad Cecilia; Canché-Escamilla, Gonzalo; Valadez-González, Alex; Fernández-Escamilla, V. V. A.; Uribe-Calderón, Jorge	International journal of polymer science	1.892	09/08/2018	https://doi.org/10.1155/2018/3567901
Surface modification and performance of jute fibers as reinforcement on polymer matrix: an overview	Burrola Núñez Heidy; Herrera-Franco, P.; Rodríguez-Félix D. E.; Soto-Valdez, H.; Madera-Santana, T.	Journal of natural fibers	1.252	20/02/2018	https://doi.org/10.1080/15440478.2018.1441093
Electrophoretic deposition of carbon nanotubes onto glass fibers for self-sensing relaxation-induced piezoresistivity of monofilament composites	Can Ortiz Alejandro Emmanuel; Oliva Avilés Andrés Iván; Gamboa, F.; May-Pat, A.; Velasco-Santos, C.; Avilés-Cetina, Francis	Journal of materials science	3.442	01/10/2018	https://doi.org/10.1007/s10853-018-2965-1
Exploration of the high order theory for functionally graded beams based on Legendre's polynomial expansion	Zozulya-Volodimir, V.	Composites part B-Engineering	6.864	02/10/2018	https://doi.org/10.1016/j.compositesb.2018.10.006
A higher order theory for functionally graded shells	Czekanski, A.; Zozulya-Volodimir, V.	Mechanics of advanced materials and structures	2.873	31/10/2018	https://doi.org/10.1080/15376494.2018.1501524
Effect of carbon nanotube length on the piezoresistive response of poly (methyl methacrylate) nanocomposites	Avilés-Cetina, Francis; Oliva, A. I.; Ventura Tzuc Giselle Noemy; May-Pat, A.; Oliva Avilés Andrés Iván	European polymer journal	3.621	01/12/2018	https://doi.org/10.1016/j.eurpolymj.2018.12.002

RPM	Preparation of pinewood residues/recycled hdpe composites with potential to substitute medium-density fiberboards	Rivero-Be, Obed Edon; Peraza Góngora Jhonny Martín; Cupul-Manzano, C. V.; Carrillo-Baeza, José Gonzalo; Guillén-Mallete, J.; Rivero-Ayala, M.; Valadez-González, Alex; Cruz-Estrada, R. H.	Bioresources	1.396	05/01/2018	https://doi.org/10.15376/biores.13.1.1303-1328
	Isolation and characterization of cellulose nanocrystals created from recycled laser printed paper	Ramírez-Casillas, R.; Báez Rodríguez, Karen Fátima; Cruz-Estrada, R. H.; Dávalos-Olivares, F.; Navarro-Arzate, F.; Gundappa-Satyanarayana, K.	Bioresources	1.396	14/08/2018	https://doi.org/10.15376/biores.13.4.7404-7429
	Structural characterization of lignin in four cacti wood: implications of lignification in the growth form and succulence	Reyes-Rivera, J.; Soto Hernández, M.; Canché-Escamilla, Gonzalo; Terrazas-Salgado, M. T.	Frontiers in plant science	4.106	17/10/2018	https://doi.org/10.3389/fpls.2018.01518
MMR	Thermal degradation of poly(caprolactone), poly (lactic acid), and poly(hydroxybutyrate) studied by tga/ftir and other analytical techniques	Herrera-Kao, Wilbert Antonio; Loria-Bastarrachea, María Isabel de los Dolores; Pérez-Padilla, Yamile; Cauich-Rodríguez, J.V.; Vázquez-Torres, H.; Cervantes-Uc José Manuel	Polymer bulletin	1.858	04/01/2018	https://doi.org/10.1007/s00289-017-2260-3
	Prediction of circumferential compliance and burst strength of polymeric vascular grafts	Castillo Cruz Omar de Jesús; Pérez Aranda Cesar Antonio; Gamboa, F.; Cauich-Rodríguez, J.V.; Mantovani, D.; Avilés-Cetina, Francis	Journal of the mechanical behavior of biomedical materials	3.485	06/01/2018	https://doi.org/10.1016/j.jmbbm.2017.12.031

<p>Preparation and characterization of titanium—segmented polyurethane composites for bone tissue engineering</p>	<p>Aguilar Pérez Fernando Javier; Vargas-Coronado, R. F.; Cervantes-Uc José Manuel; Cauich-Rodríguez, J.V.; Rosales Ibáñez, R.; Pavón Palacio, J. J.; Torres Hernández, Y.; Rodríguez Ortiz, J. A.</p>	<p>Journal of biomaterials applications</p>	<p>2.442</p>	<p>04/05/2018</p>	<p>https://doi.org/10.1177/0885328218772708</p>
<p>Physicochemical characterization of several types of naturally colored cotton fibers from Peru</p>	<p>Blas-Sevillano, R. H.; Veramendi, T.; La Torre, B.; Velezmoro-Sánchez, C. E.; Oliva, A. I.; Mena Martínez María Encarnación; Herrera-Kao, Wilbert Antonio; Uribe-Calderón, Jorge; Cervantes-Uc José Manuel</p>	<p>Carbohydrate polymers</p>	<p>6.044</p>	<p>02/06/2018</p>	<p>https://doi.org/10.1016/j.carbpol.2018.06.006</p>
<p>Synthesis, characterization and chlorhexidine release from either montmorillonite or palygorskite modified organoclays for antibacterial applications</p>	<p>Lobato Aguilar Héctor Ariel; Uribe-Calderón, Jorge; Herrera-Kao, Wilbert Antonio; Duarte-Aranda, S.; Baas-López, José Martín; Escobar Morales Beatriz; Cauich-Rodríguez, J.V.; Cervantes-Uc José Manuel</p>	<p>Journal of drug delivery science and technology</p>	<p>2.606</p>	<p>12/06/2018</p>	<p>https://doi.org/10.1016/j.jddst.2018.06.007</p>
<p>Design of silica-oligourethane-collagen membranes for inflammatory response modulation: characterization and polarization of a macrophage cell line</p>	<p>Muñoz-González, P. U.; Rivera-Debernardi, O.; Mendoza Novelo Birzabith; Claudio-Rizo, J. A.; Mata-Mata, J.L.; Delgadillo-Holtfort, I.; Carriles, R.; Flores-Moreno, M.; González García, G.; Cauich-Rodríguez, J.V.; Delgado, J.; Castellano, L. E.</p>	<p>Macromolecular bioscience</p>	<p>2.895</p>	<p>25/06/2018</p>	<p>https://doi.org/10.1002/mabi.201800099</p>

Effect of cyclodextrins and Mexican oregano (<i>Lippia graveolens</i> Kunth) chemotypes on the microencapsulation of essential oil	Barbieri, Natalia; Sánchez-Contreras, M.A.; Canto-Aguilar, María Azucena; Cauich-Rodríguez, J.V.; Vargas-Coronado, R. F.; Calvo-Irabién, Luz María	Industrial crops and products	4.191	10/05/2018	https://doi.org/10.1016/j.indcrop.2018.04.081
Study of the release kinetics of (-) epicatechin: effect of its location within the fiber or sphere	López-Peña, I. Y.; Castillo-Ortega, M. M.; Plascencia-Martínez, D. F.; Félix-Núñez, A.; Rodríguez-Félix D. E.; Del Castillo-Castro, T.; Encinas J. C.; Santacruz Ortega, H. C.; Rodríguez-Félix F.; Cauich-Rodríguez, J.V.; Burruel Ibarra, S. E.; Hernández-Martínez, D.; Quiroz-Castillo, J. M.	Journal of applied polymer science	2.188	08/10/2018	https://doi.org/10.1002/app.47166
Effect of the rigid segment content on the properties of segmented polyurethanes conjugated with atorvastatin as chain extender	Zapata Catzin Guido Antonio; Bonilla Hernández, M.; Vargas-Coronado, R. F.; Cervantes-Uc José Manuel; Vázquez-Torres, H.; Hernández-Baltazar, E.; Chan-Chan, Lerma Hanaiy; Borzacchiello, Assunta; Cauich-Rodríguez, J.V.	Journal of materials science-materials in medicine	2.467	24/10/2018	https://doi.org/10.1007/s10856-018-6165-y
Preparation and characterization of flexible, transparent and thermally stable aromatic co-polyamides	Tec-Sánchez, José Antonio; Oliva, A. I.; Aguilar-Vega, M.J.; Cauich-Rodríguez, J.V.; Santiago-García, José Luis	Chinese journal of polymer science	2.804	01/11/2018	https://doi.org/10.1007/s10118-019-2190-7
Improvement of fatigue strength and fracture toughness of bone cement by incorporation of aromatic structures to formulations	Solís Ruíz Jorge Andrés; Alonzo-Medina, G.; May-Pat, A.; Domínguez-Cherit, L.; Acuña-González, N.; Cervantes-Uc José Manuel; Uribe-Calderón, Jorge	International journal of polymeric materials and polymeric biomaterials	2.263	08/11/2018	https://doi.org/10.1080/00914037.2018.1525536

MAE	Synthesis and characterization of poly(amide-imide)s derived from a new ortho-functional unsymmetrical dicarboxylic acid	Canto Acosta Rodrigo Javier; Loria-Bastarrachea, María Isabel de los Dolores; Carrillo-Escalante, H. J.; Hernández-Núñez, E.; Aguilar-Vega, M.J.; Santiago-García, José Luis	RSC advances	3.049	02/01/2018	https://doi.org/10.1039/C7RA11710H
	Synthesis and properties of new aromatic polyimides containing spirocyclic structures	Terraza, C.; Hernán-Tagle, L.; Santiago-García, José Luis; Canto Acosta Rodrigo Javier; Aguilar-Vega, M.J.; Hauyon, R. A.; Coll, D.; Ortiz, P.; Perez, G.; Herran, A.; Comesaña-Gándara, B.; McKeown, N. B.; Tundidor-Camba, A.	Polymer	3.771	06/01/2018	https://doi.org/10.1016/j.polymer.2018.01.013
	Simultaneous thermal cross-linking and decomposition of side groups to mitigate physical aging in poly(oxyindole biphenylene) gas separation membranes	Hernández-Martínez, H.; Ruiz-Treviño, F.A.; Ortiz-Espinoza, J.; Aguilar-Vega, M.J.; ZOLOTUKHIN, M. G.; Marcial-Hernández, R.; Olvera, L. I.	Industrial & engineering chemistry research	3.375	21/03/2018	https://doi.org/10.1021/acs.iecr.8b00529
	TFC reverse osmosis polyamide membranes—Effect of increasing sulfonic group concentration on water flux and salt rejection performance	Yam-Cervantes, Marcial Alfredo; Perez-Padilla, Yamile; Aguilar-Vega, M.J.	Journal of applied polymer science	2.188	10/04/2018	https://doi.org/10.1002/app.46500
	Natural gas combined cycle with exhaust gas recirculation and CO2 capture at part-load operation	Alcaráz-Calderón, A. M.; González-Díaz, M.O.; Mendez, A.; González-Santalo, J. M.; González Díaz, A.	Journal of the energy institute	3.774	31/05/2018	https://doi.org/10.1016/j.joei.2017.12.007
	Enhanced gas transport performance of polyamide membranes by post-polymerization modification	González-Díaz, M.O.; Sulub-Sulub, Rita del Rosario; Herrera-Kao, Wilbert Antonio; Vázquez-Torres, H.; ZOLOTUKHIN, M. G.; Aguilar-Vega, M.J.	Industrial & engineering chemistry research	3.375	13/06/2018	https://doi.org/10.1021/acs.iecr.8b01772

	Highly permeable polyimide membranes with a structural pyrene containing tert-butyl groups: Synthesis, characterization and gas transport	Sulub-Sulub, Rita del Rosario; Loria-Bastarrachea, María Isabel de los Dolores; Vázquez-Torres, H.; Santiago-García, José Luis; Aguilar-Vega, M.J.	Journal of membrane science	7.015	26/05/2018	https://doi.org/10.1016/j.memsci.2018.05.054
	Synthesis and characterization of new polyimides from diphenylpyrene dianhydride and ortho methyl substituted diamines	Sulub-Sulub, Rita del Rosario; Loria-Bastarrachea, María Isabel de los Dolores; Santiago-García, José Luis; Aguilar-Vega, M.J.	RSC advances	3.049	12/09/2018	https://doi.org/10.1039/C8RA05991H
	Gas transport properties in cross-linked and vacuum annealed poly (oxyindole biphenylene) membranes	Ortiz-Fernández, Alejandro; Ruiz-Treviño, F.A.; Hernández-Martínez, H.; Aguilar-Vega, M.J.; ZOLOTUKHIN, M. G.	Industrial & engineering chemistry research	3.375	05/09/2018	https://doi.org/10.1021/acs.iecr.8b02735
	Poly(hydroxyamide) as support for thin film composite membranes for water treatment	Yam-Cervantes, Marcial Alfredo; León-Campos, I.; Sánchez, J.; Santiago-García, José Luis; Estrella Gomez Neyi Eloisa; Aguilar-Vega, M.J.	Polymer bulletin	1.858	24/11/2018	https://doi.org/10.1007/s00289-018-2619-0
	Synthesis, characterization and film preparation of new co-polyimide baseb on new 3.5-diamino-n-(pyridin-4-ylmethyl) benzamide, oda and 6fda	Tundidor-Camba, A.; Saldias, C.; Tagle, L. H.; Terraza, C. A.; Coll, D.; Perez, G.; Aguilar-Vega, M.J.; Abarca, R. L.; Ortiz, P. A.	Journal of the chilean chemical society	0.522	31/12/2018	http://dx.doi.org/10.4067/S0717-97072018000404239
2019						
MCN	Study of the porosity of calcified chicken eggshell using atomic force microscopy and image processing	Arzate-Vázquez, I.; Méndez-Méndez, J. V.; Flores-Johnson, Emmanuel Alejandro; Nicolás-Bermúdez, J.; Chanona-Pérez, J. J.; Santiago-Cortés, E.	Micron	1.726	01/03/2019	https://doi.org/10.1016/j.micron.2018.12.008

Electrical characterization of carbon-based fibers and their application for sensing relaxation-induced piezoresistivity in polymer composites	Can Ortiz Alejandro Emmanuel; Abo, J. L.; Avilés-Cetina, Francis	Carbon	8.821	02/01/2019	https://doi.org/10.1016/j.carbon.2018.12.108
Effects of temperature and tensile strain on the electrical resistance of nanometric gold films	Oliva, A. I.; Ruiz-Tabasco, L.; Ojeda-García, J.; Corona J. E.; Sosa V.; Avilés-Cetina, Francis	Materials research express	1.929	20/03/2019	https://doi.org/10.1088/2053-1591/ab0c43
Optical improvement for modulating a high flux solar simulator designed for solar thermal and thermochemical research	Martínez-Manuel, L.; Peña-Cruz, Manuel I.; Pineda-Arellano, C. A.; Carrillo-Baeza, José Gonzalo; May-Arrijoja, D. A.	Applied optics	1.961	29/03/2019	https://doi.org/10.1364/AO.58.002605
Thermo-oxidative aging of Idpe/stearoyl chloride-grafted cellulose nanocrystals blown films	Moo Tun Nora Magally; Valadez-González, Alex; Uribe-Calderón, Jorge	Journal of polymers and the environment	2.572	19/03/2019	https://doi.org/10.1007/s10924-019-01424-z
Carrera unified formulation (cuf) for the micropolar beams: analytical solutions	Carrera, E.; Zozulya-Volodimir, V.	Mechanics of advanced materials and structures	3.517	12/03/2019	https://doi.org/10.1080/15376494.2019.1578013
Low velocity impact response of fiber metal laminates based on aramid fiber reinforced polypropylene	Carrillo-Baeza, José Gonzalo; González Canche Nancy Guadalupe; Flores-Johnson, Emmanuel Alejandro; Cortes, P.	Composite structures	5.138	05/04/2019	https://doi.org/10.1016/j.compstruct.2019.04.018
Electrical self-sensing of strain and damage of thermoplastic hierarchical composites subjected to monotonic and cyclic tensile loading	Rodríguez Uicab Omar Eduardo; Martín-Barrera, C.; May Pat Alejandro; Can Ortiz Alejandro Emmanuel; González-Chi, Pedro I.; Avilés-Cetina, Francis	Journal of intelligent material systems and structures	2.410	01/06/2019	https://doi.org/10.1177/1045389X19835962

Interface and micromechanical characterization of tensile strength of bio-based composites from polypropylene and henequen strands	Tarrés, Q.; Vilaseca, F.; Herrera-Franco, P.; Xavier-Espinach, F.; Delgado-Aguilar, M.; Mutje, P.	Industrial crops and products	4.244	26/02/2019	https://doi.org/10.1016/j.indcrop.2019.02.010
Transitory rheological test as a tool to monitor nano-clay dispersion and distribution in polypropylene-palygorskite composites	Chí Caballero Josué Francisco; Pérez Matu Rubén Rangel; Gamboa Sosa Carlos Jesús; González-Chi, Pedro I.	Polymer bulletin	2.014	28/08/2019	https://doi.org/10.1007/s00289-019-02904-x
A new passive PV heatsink design to reduce efficiency losses: A computational and experimental evaluation	Hernández-Pérez, J.G.; Carrillo-Baeza, José Gonzalo; Bassam, A.; Flota Bañuelos Manuel; Patiño-López, Luis David	Renewable energy	6.274	18/09/2019	https://doi.org/10.1016/j.renene.2019.09.088
Electrochemical Assessment of As-Deposited Co(OH) ₂ by Electrochemical Synthesis: The Effect of Synthesis Temperature on Performance	Parra Elizondo Vladimir Ernesto; Cuentas Gallegos Ana Karina; Escobar Morales Beatriz; Baas-López, José Martin; Uribe-Calderón, Jorge; Pacheco-Catalán, Daniella	Energies	2.702	07/11/2019	https://doi.org/10.3390/en12224246
Influence of concentration, length and orientation of multiwall carbon nanotubes on the electromechanical response of polymer nanocomposites	Cob, J.; Oliva Avilés Andrés Iván; Avilés-Cetina, Francis	Materials research express	1.929	27/09/2019	https://doi.org/10.1088/2053-1591/ab447b
Effect of natural and accelerated aging on the mechanical performance of a composite based on recycled multilayer carton	Chan Koyoc, María del Carmen; Cruz-Estrada, R. H.; Cruz Delgado Víctor Javier; Carrillo-Baeza, José Gonzalo	Journal of polymers and the environment	2.572	21/08/2019	https://doi.org/10.1007/s10924-019-01538-4

Cellular structure of pp/ppma/palygorskite and its capacity to absorb water	Pérez Matu Rubén Rangel; Peña-Quintal, A.E.; González-Chi, Pedro I.	Materials research express	1.929	11/09/2019	https://doi.org/10.1088/2053-1591/ab4038
Optimization of processability and physical and mechanical properties of extruded polyethylenetetra Pak cartons composites by experimental design	Guillén-Mallete, J.; Carrillo-Baeza, José Gonzalo; Aranda-Ayala, A.A.; Rivero-Ayala, M.	Journal of thermoplastic composite materials	1.529	08/09/2019	https://doi.org/10.1177%2F0892705719873944
Effect of magnetite nanoparticles and their surface modification on the mechanical and magnetic properties of silicon-based magnetic elastomer nanocomposite	Zuluaga-Parra, J. D.; Sánchez-Valdés, S.; Ramos-De Valle, L. F.; Flores Gallardo, S.G.; Uribe-Calderón, Jorge; Beltrán-Ramírez, F. I.; Romero García, J.; Narro-Céspedes, R. I.; Morales-Cepeda, A. B.; Lozano-Ramírez, T.; Rodríguez-González, J. A.	Polymer composites	2.265	20/03/2019	https://doi.org/10.1002/pc.25259
Solution of the 3-d elastodynamic contact problem for body with cracks using the biem and constrained optimization algorithm	Czekanski, A.; Zozulya-Volodimir, V.	Engineering analysis with boundary elements	2.884	01/09/2019	https://doi.org/10.1016/j.enganabound.2019.06.009
Dynamics of vibrating beams using first-order theory based on Legendre polynomial expansion	Czekanski, A.; Zozulya-Volodimir, V.	Archive of applied mechanics	1.374	22/11/2019	https://doi.org/10.1007/s00419-019-01639-5
Vibration analysis of nonlocal beams using higher-order theory and comparison with classical models	Czekanski, A.; Zozulya-Volodimir, V.	Mechanics of advanced materials and structures	3.517	17/09/2019	https://doi.org/10.1080/15376494.2019.1665761
Factorial design approach to assess the effect of fiber–matrix adhesion on the ifss and work of adhesion of carbon fiber/ polysulfone-modified epoxy composites	Cauich-Cupul, Javier Iván; Herrera-Franco, P.; García-Hernández, E.; Moreno Chulim María Verónica; Valadez-González, Alex	Carbon letters	1.992	24/05/2019	https://doi.org/10.1007/s42823-019-00039-7

Effect of linear viscoelasticity on stress transfer in a numerical model of a single fiber fragmentation test	Rivas Menchi Aaron; Acuña-González, N.; Valadez-González, Alex; Herrera-Franco, P.	Materials today communications	2.678	11/11/2019	https://doi.org/10.1016/j.mtcomm.2019.100757
Assessment of a double slope solar still for the distillation of cenote water in the Yucatan peninsula – thermal and economic analysis	Gual Uc Jonathan Ernesto; Carrillo-Baeza, José Gonzalo; Bassam, A.; Flota Bañuelos Manuel; Pineda-Arellano, C. A.	Desalination and Water Treatment	0.854	01/11/2019	https://doi.org/10.5004/dwt.2019.24729
Ballistic performance of bioinspired nacre-like aluminum composite plates	Miao, T.; Shen, L.; Xu, Q.; Flores-Johnson, Emmanuel Alejandro; Zhang, J.; Lu, G.	Composites part b-engineering	7.635	27/08/2019	https://doi.org/10.1016/j.compositesb.2019.107382
Production of biocomposites using different pre-treated cut jute fiber and polylactic acid matrix and their properties	Burrola Núñez Heidy; Herrera-Franco, P.; Soto-Valdez, H.; Rodríguez-Félix D. E.; Meléndrez-Amavizca, R.; Madera-Santana, T.	Journal of natural fibers	2.622	22/11/2019	https://doi.org/10.1080/15440478.2019.1693473
Compressive behavior of rigid polyurethane foams nanostructured with bacterial nanocellulose at low and intermediate strain rates	Matías-Chiacchiarelli, L.; Cerrutti, P.; Flores-Johnson, Emmanuel Alejandro	Journal of applied polymer science	2.520	11/11/2019	https://doi.org/10.1002/app.48701
Influence of polymer matrix on the sensing capabilities of carbon nanotube polymeric thermistors	Balam Mena Abraham Isaías; Cen Puc Marco Antonio; May Pat Alejandro; Abot, J. L.; Avilés-Cetina, Francis	Smart materials and structures	3.613	28/11/2019	https://doi.org/10.1088/1361-665X/ab4e08
An assessment of micromechanical models to predict the elastic constants of unidirectional polymer composites	Hernández-Pérez, Adrián; Fuentes Gutiérrez Hugo; López-Santos, F.; Ledesma-Orozco, E. R.; Avilés-Cetina, Francis	Mechanics of advanced materials and structures	3.517	01/08/2019	https://doi.org/10.1080/15376494.2019.1645922

RPM	Synthesis and characterization of poly (methyl methacrylate)-boehmite nanocomposites by direct microemulsion polymerization combined with the in-situ sol-gel method	Castellanos, S. G.; Fernández-Escamilla, V. V. A.; Aguilar, J.; Moscoso-Sánchez, F.; Ceja, I.; Canché-Escamilla, Gonzalo; Barrera, A.	Polymer	4.231	16/01/2019	https://doi.org/10.1016/j.polymer.2018.12.053
	Chemical composition and thermal properties of tropical wood from the Yucatan dry forests	Rodríguez-Jiménez, S. R.; Duarte-Aranda, S.; Canché-Escamilla, Gonzalo	Bioresources	1.409	13/02/2019	http://cicy.repositorioinstitucional.mx/jspui/handle/1003/1695
	The effects of henequen cellulose treated with polyethylene glycol on properties of polylactic acid composites	Moscoso-Sánchez, F.; Alvarado, A.; Martínez-Chávez, L.; Hernández-Montelongo, R.; Fernández Escamilla V. V. A.; Canché-Escamilla, Gonzalo	Bioresources	1.409	13/02/2019	https://ojs.cnr.ncsu.edu/index.php/BioRes/article/view/BioRes_14_2_2707_Moscoso_Henequen_Cellulose_Glycol
	Experimental studies on the mechanical behavior of Mayan archeological rocks	Ley-Paredes, V.J.; Ríos-Soberanis, C.R.; Pérez-Pacheco, Emilio; Vinajera-Reyna, Carlos Emilio; Wakayama S.; Sakai T.	Dyna-Colombia	0.217	01/01/2019	http://doi.org/10.15446/dyna.v86n208.73581
	Mechanical properties of l-lysine based segmented polyurethane vascular grafts and their shape memory potential	Castillo Cruz Omar de Jesús; Avilés-Cetina, Francis; Vargas-Coronado, R. F.; Cauch-Rodríguez, J.V.; Chan-Chan, Lerma Hanay; Sessini, V.; Peponi, L.	Materials science & engineering c-materials for biological applications	5.880	24/04/2019	https://doi.org/10.1016/j.msec.2019.04.073

	Extraction and characterization of natural cellulosic fiber from jipijapa (<i>carludovica palmata</i>)	Moo-Huchin V. M.; Pérez-Pacheco, Emilio; Ríos-Soberanis, C.R.; Bello-Pérez, L. A.; Cervantes-Uc José Manuel; Dzul Cervantes Mario Adrián de Atocha; Estrada-León, R. J.	Chiang mai journal of science	0.325	01/05/2019	https://www.thaiscience.info/Journals/Article/CMJS/10990597.pdf
	Properties and biodegradation of thermoplastic starch obtained from grafted starches with poly (lactic acid),	Cuevas Carballo Zujey Berenice; Duarte-Aranda, S.; Canché-Escamilla, Gonzalo	Journal of polymers and the environment	2.572	28/08/2019	https://doi.org/10.1007/s10924-019-01540-w
	Extraction of phenolic components from an Aloe vera (<i>Aloe barbadensis</i> Miller) crop and their potential as antimicrobials and textile dyes	Canché-Escamilla, Gonzalo; Colli-Acevedo, Pamela Alejandra; Borges-Argáez, R.; Quintana-Owen, P.; May-Crespo J. ; Cáceres-Farfán, M.; Yam Puc, Jesús Alejandro; Sansores-Peraza Pablo; Vera-Ku, Blanca Marina	Sustainable chemistry and pharmacy	3.294	05/09/2019	https://doi.org/10.1016/j.scp.2019.100168
MMR	Design and analysis of a burst strength device for testing vascular grafts	Pérez-Aranda, C.; Gamboa, F.; Castillo Cruz Omar de Jesús; Cauich-Rodríguez, J.V.; Avilés-Cetina, Francis	Review of scientific instruments	1.480	03/01/2019	https://doi.org/10.1063/1.5037578
	Effect of two crosslinking methods on the physicochemical and biological properties of the collagen-chitosan scaffolds	Reyna-Urrutia, V. A.; Mata-Haro, V.; Cauich-Rodríguez, J.V.; Herrera-Kao, Wilbert Antonio; Cervantes-Uc José Manuel	European polymer journal	3.862	09/05/2019	https://doi.org/10.1016/j.eurpolymj.2019.05.010

<p>Titanium - castor oil based polyurethane composite foams for bone tissue engineering</p>	<p>Aguilar Pérez Fernando Javier; Vargas-Coronado, R. F.; Cervantes-Uc José Manuel; Cauch-Rodríguez, J.V.; Rosales Ibáñez, R.; Rodríguez Ortiz, J. A.; Torres Hernández, Y.</p>	<p>Journal of biomaterials science-polymer edition</p>	<p>2.690</p>	<p>09/07/2019</p>	<p>https://doi.org/10.1080/09205063.2019.1636352</p>
<p>Design, synthesis, characterization, and cytotoxicity of pcl/plga scaffolds through plasma treatment in the presence of pyrrole for possible use in urethral tissue engineering</p>	<p>Sánchez-Pech, J.C.; Rosales Ibáñez, R.; Cauch-Rodríguez, J.V.; Carrillo-Escalante, H. J.; Rodríguez-Navarrete, Amairany; Ávila-Ortega, A.; Hernández-Sánchez, Fernando</p>	<p>Journal of biomaterials applications</p>	<p>2.220</p>	<p>20/10/2019</p>	<p>https://doi.org/10.1177%2F0885328219882638</p>
<p>Balancing porosity and mechanical properties of titanium samples to favor cellular growth against bacteria</p>	<p>Civantos, Ana; Beltrán, Ana M.; Domínguez- Trujillo, Cristina.; Garvi, María D.; Lebrato, Julián; Rodríguez Ortiz, J. A.; García-Moreno, Francisco; Cauch-Rodríguez, J.V.; Guzmán, Julio J.; Torres, Yadir</p>	<p>Metals</p>	<p>2.117</p>	<p>24/09/2019</p>	<p>https://doi.org/10.3390/met9101039</p>
<p>The effect of pegde concentration and temperature on physicochemical and biological properties of chitosan</p>	<p>Chuc Gamboa, M. G.; Vargas-Coronado, R. F.; Cervantes-Uc José Manuel; Cauch-Rodríguez, J.V.; Escobar-García, D. M.; Pozos-Guillén, A. J.; San Román-Del Barrio, J.</p>	<p>Polymers</p>	<p>3.426</p>	<p>07/11/2019</p>	<p>https://doi.org/10.3390/polym11111830</p>
<p>Antibacterial properties and release kinetics of chlorhexidine diacetate from montmorillonite and palygorskite clays</p>	<p>Lobato Aguilar Héctor Ariel; Lizama Uc Gabriel; Uribe-Calderón, Jorge; Cauch-Rodríguez, J.V.; Rodríguez-Fuentes, Nayeli; Cervantes-Uc José Manuel</p>	<p>Journal of biomaterials applications</p>	<p>2.220</p>	<p>27/11/2019</p>	<p>https://doi.org/10.1177%2F0885328219891710</p>

MAE	Performance of a greywater cathode in a microbial fuel cell with three ion exchange membranes	Moreno-Cervera, Rodrigo; Aguilar-Vega, M.J.; Domínguez-Maldonado, J.; Cámara Chale Gerardo; Alzate-Gaviria, L.	Journal of chemical technology and biotechnology	2.750	08/01/2019	https://doi.org/10.1002/jctb.5927
	Synthesis and characterization of processable fluorinated aromatic poly (benzamide imide) s derived from cycloalkane substituted diamines, and their application in a computationally driven synthesis methodology	Pérez, G.; Terraza, C. A.; Coll, D.; Ortiz, P.; Aguilar-Vega, M.J.; González, D. M.; Tagle, L. H.; Tundidor-Camba, A.	Polymer	4.231	29/01/2019	https://doi.org/10.1016/j.polymer.2018.12.042
	Physico-chemical characterization of poly(3-hydroxybutyrate) produced by halomonas salina, isolated from a hypersaline microbial mat	Hernández-Núñez, E.; Martínez-Gutiérrez, C. A.; López-Cortés, A.; Aguirre-Macedo, Ma. Leopoldina; Tabasco-Novelo, C.; González-Díaz, M.O.; García-Maldonado, J. Q.	Journal of polymers and the environment	2.572	05/03/2019	https://doi.org/10.1007/s10924-019-01417-y
	Structure and kinetic rigidity of polymers as related to chain relaxations	Palí-Casanova, R.; Sosa-González, Wadi Elim; Zavala-Loría, J.; Narváez-García, A.; Yam-Cervantes, Marcial Alfredo; Aguilar-Vega, M.J.; Dzul-López, L. A.	Journal of thermoplastic composite materials	1.529	14/05/2019	https://doi.org/10.1177%2F0892705719847517
	Delonix regia galactomannan hydrolysates: rheological behavior and physicochemical characterization	Rodríguez-Canto, W.; Chel-Guerrero, L.; Fernández-Escamilla, V. V. A.; Aguilar-Vega, M.J.	Carbohydrate polymers	7.182	06/08/2019	https://doi.org/10.1016/j.carbpol.2018.11.028

Effect of sulfonic groups concentration on iec properties in new fluorinated copolyamides	Palí-Casanova, R.; Yam-Cervantes, Marcial Alfredo; Zavala-Loría, J.; Loria-Bastarrachea, María Isabel de los Dolores; Aguilar-Vega, M.J.; Dzul-López, L. A.; Sámano-Celorio, M. L.; Crespo-Álvarez, J.; García-Villena, E.; Agudo-Toyos, P.; Méndez-Martínez, F.	Polymers	3.426	09/07/2019	https://doi.org/10.3390/polym11071169
Poxinar membrane family for gas separation	Cetina-Manzanilla, E.; Hernández-Martínez, H.; ZOLOTUKHIN, M. G.; Ruiz-Treviño, F.A.; González-Díaz, M.O.; Cárdenas, J.; Scherf, U.	Industrial & engineering chemistry research	3.573	06/08/2019	https://doi.org/10.1021/acs.iecr.9b02656
Influence of a conductive material and different anaerobic inocula on biochemical methane potential of substrates from alcoholic beverage production	Valero-Morales David; Alzate-Gaviria, L.; Montes Luna Ángel de Jesús; Carlos Rico	Waste and biomass valorization	2.851	05/10/2019	https://doi.org/10.1007/s12649-019-00834-3
Capture level design for a natural gas combined cycle with postcombustion co2 capture using novel configurations	Díaz-Herrera, P. R.; Alcaráz-Calderón, A. M.; González-Díaz, M.O.; González Díaz, A.	Energy	6.082	18/12/2019	https://doi.org/10.1016/j.energy.2019.116769
Structure effect on mechanical and thermal properties in aromatic copolyamides with phenyl substituents	Palí-Casanova, R.; Loria-Bastarrachea, María Isabel de los Dolores; Aguilar-Vega, M.J.; Zavala-Loría, J.; Dzul-López, L. A.; Yam-Cervantes, Marcial Alfredo	Journal of polymer research	2.426	05/09/2019	https://doi.org/10.1007/s10965-019-1900-8

	Cms membranes from pbi/pi blends: temperature effect on gas transport and separation performance	Pérez Francisco José Manuel; Santiago-García, José Luis; Loria-Bastarrachea, María Isabel de los Dolores; Paul, D. R.; Freeman, B. D.; Aguilar-Vega, M.J.	Journal of membrane science	7.183	30/11/2019	https://doi.org/10.1016/j.memsci.2019.117703
2020						
MCN	Organopalygorskite and molybdenum sulfide combinations to produce mechanical and processing enhanced flame-retardant pe/eva blend composites with low magnesium hydroxide loading	Sánchez-Valdés, S.; Ramírez-Vargas, E.; Rodríguez-González, J. A.; Uribe-Calderón, Jorge; Ramos-De Valle, L. F.; Zuluaga-Parra, J. D.; Martínez-Colunga, J. G.; Solís-Rosales, S. G.; Sánchez-Martínez, A. C.; Flores-Flores, R.	Journal of vinyl & additive technology	1.550	16/01/2020	https://doi.org/10.1002/vnl.21758
	Effect of recycled polystyrene/limonene coating on the mechanical properties of kraft paper: a comparative study with commercial coatings	Jiménez Francisco Milton; Flores-Johnson, Emmanuel Alejandro; Carrillo-Baeza, José Gonzalo	Journal of polymers and the environment	2.572	02/04/2020	https://doi.org/10.1007/s10924-020-01721-y
	Flexural electromechanical properties of multilayer Graphene sheet/carbon nanotube/vinyl ester hybrid nanocomposites	Sierra Chí Carlos Alfredo; Aguilar-Bolados, H.; López-Manchado, M.A.; Verdejo, R.; Cauch-Rodríguez, J.V.; Avilés-Cetina, Francis	Composites Science and Technology	8.528	11/04/2020	https://doi.org/10.1016/j.compscitech.2020.108164
	Modification of ceiba pentandra cellulose for drug releasse application	Peraza Ku Silvia Argelia; Cervantes-Uc José Manuel; Escobar Morales Beatriz; Uribe-Calderón, Jorge	E-polymers	2.025	03/05/2020	https://doi.org/10.1515/epoly-2020-0025
	Electrical resistance sensing of epoxy curing using an embedded carbon nanotube yarn	Rodríguez Uicab Omar Eduardo; Abot, J. L.; Avilés-Cetina, Francis	Sensors	3.275	05/06/2020	https://doi.org/10.3390/s20113230

Shaking table test of u-shaped walls made of fiber-reinforced foamed concrete	Flores-Johnson, Emmanuel Alejandro; Company-Rodríguez, B. A.; Koh Dzul, Juan Francisco; Carrillo-Baeza, José Gonzalo	Materials	3.057	03/06/2020	https://doi.org/10.3390/ma13112534
Influence of electrode configuration on impact damage evaluation of self-sensing hierarchical composites	Uribe Riestra Gabriela Carolina; Ocampo Bello, J. A.; Gamboa, F.; Mendoza Santoyo, F.; Pérez-López, C.; Franco-Urquiza, E. A.; Preud'homme, M.; Castillo-Atoche, A.; Avilés-Cetina, Francis	Journal of intelligent material systems and structures	2.410	02/06/2020	https://doi.org/10.1177%2F1045389X20919979
Synthesis of montmorillonite/modified graphene oxide filler and its effect on the properties of PP composites	Guerrero-Bermea, C.; Vázquez-Rodríguez, S.; Sánchez-Valdés, S.; Uribe-Calderón, Jorge	Polymer bulletin	2.870	26/06/2020	https://doi.org/10.1007/s00289-020-03281-6
Cyclic thermoresistivity of freestanding and polymer embedded carbon nanotube yarns	Balam, A.; Cen Puc Marco Antonio; Rodríguez Uicab Omar Eduardo; Abot, J. L.; Avilés-Cetina, Francis	Advanced engineering materials	3.862	05/06/2020	https://doi.org/10.1002/adem.202000220
Mechanical properties of natural fiber reinforced foamed concrete	Castillo Lara Joaquín Francisco; Flores-Johnson, Emmanuel Alejandro; Valadez-González, Alex; Herrera-Franco, P.; Carrillo-Baeza, José Gonzalo; González-Chi, Pedro I.; Li, Q. M.	Materials	3.057	08/07/2020	https://doi.org/10.3390/ma13143060
Mechanochemical tuning of molecular weight distribution of styrene homopolymers as postpolymerization modification in solvent-free solid-state	Jiménez Francisco Milton; Carrillo-Baeza, José Gonzalo; García-Cerda, L.A.	Journal of applied polymer science	2.520	16/07/2020	https://doi.org/10.1002/app.49628

Low cost high-accuracy compound parabolic concentrator system—A manufacturing methodology	Carrillo-Baeza, José Gonzalo; Peña-Cruz, Manuel I.; Terron Hernández Miguel; Valentín, L.	Journal of solar energy engineering-transactions of the asme	1.190	24/08/2020	https://doi.org/10.1115/1.4048015
Multifunctional sensing properties of polymer nanocomposites based on hybrid carbon nanostructures	Pech Piste Raúl Armando; Cen Puc Marco Antonio; Balam Mena Abraham Isaiás; May Pat Alejandro; Avilés-Cetina, Francis	Materials today communications	2.678	19/07/2020	https://doi.org/10.1016/j.mtcomm.2020.101472
Carrera unified formulation (cuf) for the micropolar plates and shells. I. Higher order theory	Carrera, E.; Zozulya-Volodimir, V.	Mechanics of advanced materials and structures	3.517	10/08/2020	https://doi.org/10.1080/15376494.2020.1793241
Symmetric electrochemical capacitor based on ppy obtained via mno ₂ reactive template synthesis	Díaz Arriaga Carlos Bellaner; Baas-López, José Martín; Pacheco-Catalán, Daniella; Uribe-Calderón, Jorge	Synthetic metals	3.286	07/09/2020	https://doi.org/10.1016/j.synthmet.2020.116541
Electro-mechanical properties of thermoplastic polyurethane films and tubes modified by hybrid carbon nanostructures for pressure sensing	Pérez-Aranda, C.; Valdez-Nava, Z.; Gamboa, F.; Cauich-Rodríguez, J.V.; Avilés-Cetina, Francis	Smart materials and structures	3.613	30/09/2020	https://doi.org/10.1088/1361-665X/aba9e6
Enhancement of the in-plane and pin-load bearing behavior of a quasi-isotropic carbon fiber/epoxy matrix multi-scale laminate by modifying the fiber-matrix interphase using graphene nanoplatelets	Arcos Alomia Abad; Bartolo-Pérez, P.; Valadez-González, Alex; Herrera-Franco, P.	Journal of materials research and technology	5.289	07/10/2020	https://doi.org/10.1016/j.jmrt.2020.09.083
Nanofibers of gelatin and polyvinyl-alcohol-chitosan for wound dressing application: fabrication and characterization	Campa-Siqueiros, P.; Madera-Santana, T.; Ayala-Zavala, J. F.; López-Cervantes, J.; Castillo-Ortega, M. M.; Herrera-Franco, P.	Polimeros-ciencia e tecnologia	0.806	01/06/2020	https://doi.org/10.1590/0104-1428.07919

The mechanical properties of fiber metal laminates based on 3d printed composites	Yelamanchi, B.; MacDonald, E.; González Canche Nancy Guadalupe; Carrillo-Baeza, José Gonzalo; Cortes, P.	Materials	3.057	21/11/2020	https://doi.org/10.3390/ma13225264
The fracture properties of fiber metal laminates based on a 3d printed glass fiber composite	Yelamanchi, B.; MacDonald, E.; González Canche Nancy Guadalupe; Carrillo-Baeza, José Gonzalo; Cortes, P.	Journal of thermoplastic composite materials	1.529	24/11/2020	https://doi.org/10.1177%2F0892705720976179
Thermal performance of a discontinuous finned heatsink profile for pv passive cooling	Hernández Pérez José Gabriel; Carrillo-Baeza, José Gonzalo; Bassam, A.; Flota Bañuelos Manuel; Patiño-López, Luis David	Applied thermal engineering	5.295	25/10/2020	https://doi.org/10.1016/j.applthermaleng.2020.116238
Effect of moisture content and carbon fiber surface treatments on the interfacial shear strength of a thermoplastic-modified epoxy resin composites	Dzul Cervantes Mario Adrián de Atocha; Pacheco-Salazar, Oscar Fernando; Can Herrera Luis Alfonso; Moreno Chulim María Verónica; Cauch-Cupul, Javier Iván; Herrera-Franco, P.; Valadez-González, Alex	Journal of materials research and technology	5.289	17/11/2020	https://doi.org/10.1016/j.jmrt.2020.11.027
Measurement of in-plane and out-of-plane elastic properties of woven fabric composites using digital image correlation	López-Santos, F.; May Pat Alejandro; Ledesma-Orozco, E. R.; Avilés-Cetina, Francis	Journal of composite materials	1.972	25/10/2020	https://doi.org/10.1177%2F0021998320967073
Closed-form solution for the micropolar plates: Carrera unified formulation (cuf) approach	Carrera, E.; Zozulya-Volodimir, V.	Archive of applied mechanics	1.976	31/08/2020	https://doi.org/10.1007/s00419-020-01756-6

	Effect of polyaniline content on the electrochemical behavior of tin oxide/polyaniline composites by solution mixing	Solís Méndez Luis Santiago; Baas-López, José Martín; Pacheco-Catalán, Daniella; Uribe-Calderón, Jorge	Journal of materials science- materials in electronics	2.195	28/11/2020	https://doi.org/10.1007/s10854-020-04781-x
	Synthesis of sustainable, lightweight and electrically conductive polymer brushes grafted multi-layer graphene oxide	Aguilar-Bolados, H.; Yazdani-Pedram M.; Quinteros-Jara, E.; Cuenca-Bracamonte, Q.; Quijada R.; Carretero-González, J.; Avilés-Cetina, Francis; López-Manchado, M.A.; Verdejo, R.	Polymer testing	3.275	27/11/2020	https://doi.org/10.1016/j.polymertesting.2020.106986
	Assessing the effect of pla, cellulose microfibrils and caco3 on the properties of starch-based foams using a factorial design	Moo Tun Nora Magally; Iñiguez-Covarrubias, G.; Valadez-González, Alex	Polymer testing	3.275	08/03/2020	https://doi.org/10.1016/j.polymertesting.2020.106482
	Micro- and macromechanical properties of a composite with a ternary pla-pcl-tps matrix reinforced with short fique fibers	Mina Hernández José Hermínul; Valadez-González, Alex; Muñoz Velez Mario Fernando	Polymers	3.426	01/01/2020	https://doi.org/10.3390/polym12010058
RPM	Potential use of waste from tree pruning and recovered plastic to obtain a building material: case study of Merida, Mexico	Cruz-Estrada, R. H.; Guillén-Mallete, J.; Cupul-Manzano, C. V.; Balam-Hernández, J.I.	Waste management & research	2.771	05/06/2020	https://doi.org/10.1177%2F0734242X20928404
	Biocomposites based on plasticized starch: thermal, mechanical and morphological characterization	Ríos-Soberanis, C.R.; Colli Pacheco Juan Pablo; Estrada-León, R. J.; Moo-Huchin V. M.; Yee-Madeira, H. T.; Pérez-Pacheco, Emilio	Polymer bulletin	2.870	06/07/2020	https://doi.org/10.1007/s00289-020-03261-w

	Optimization of biodegradable starch adhesives using response surface methodology	Ortiz-Fernández, Alejandro; Ríos-Soberanis, C.R.; Chim-Chi, Y. A.; Moo-Huchin V. M.; Estrada-León, R. J.; Pérez-Pacheco, Emilio	Polymer bulletin	2.870	06/07/2020	https://doi.org/10.1007/s00289-020-03297-y
	Huaya (<i>melicoccus bijugatus</i>) seed flour as a new source of starch: physicochemical, morphological	Moo-Huchin V. M.; Ac-Chim, D. M.; Chim-Chi, Y. A.; Ríos-Soberanis, C.R.; Ramos, G.; Yee-Madeira, H. T.; Ortiz-Fernández, Alejandro; Estrada-León, R. J.; Pérez-Pacheco, Emilio	Journal of food measurement and characterization	0.521	28/07/2020	https://doi.org/10.1007/s11694-020-00573-3
	Recycling printed polypropylene labels and polyolefins caps as chemical foaming agent to produce foam products	Guillén-Mallete, J.; González-Chi, Pedro I.; Cruz-Estrada, R. H.; Miranda Flores Rosalba Nohemí; Rivero-Ayala, M.	Journal of cellular plastics	1.925	30/09/2020	https://doi.org/10.1177%2F0021955X20959302
	Physicochemical comparison of chitin extracted from horseshoe crab (<i>limulus polyphemus</i>) exoskeleton and exuviae	Méndez Alpuche Axel Alejandro; Ríos-Soberanis, C.R.; Rodríguez-Laviada, J.; Pérez-Pacheco, Emilio; Zaldívar Rae Jaime	ChemistrySelect	2.109	09/10/2020	https://doi.org/10.1002/slct.202000085
MMR	Damage evolution and fracture events sequence analysis of core-shell nanoparticle modified bone cements by acoustic emission technique	Pacheco-Salazar, Oscar Fernando; Wakayama S.; Can Herrera Luis Alfonso; Dzul Cervantes Mario Adrián de Atocha; Ríos-Soberanis, C.R.; Cervantes-Uc José Manuel	Polymers	3.426	15/01/2020	https://doi.org/10.3390/polym12010208

<p>Tailoring surface properties of carbon nanofibers via oxidation and its influence on dental pulp stem cell viability of pcl/cnf composites</p>	<p>Valadez-González, Alex; Rosales Ibáñez, R.; Rodríguez-Navarrete, Amairany; Villamar-Duque, T. E.; Cano-Brown, J.; Carrillo-Escalante, H. J.; Ortíz-Fernández, Alejandro; Hernández-Sánchez, Fernando</p>	<p>Polymer bulletin</p>	<p>2.870</p>	<p>18/02/2020</p>	<p>https://doi.org/10.1007/s00289-020-03127-1</p>
<p>Effect of type and concentration of nanoclay on the mechanical and physicochemical properties of bis-gma/ttegdma dental resins</p>	<p>Encalada Alayola Juan José; Veranes-Pantoja, Y.; Uribe-Calderón, Jorge; Cauich-Rodríguez, J.V.; Cervantes-Uc José Manuel</p>	<p>Polymers</p>	<p>3.426</p>	<p>06/03/2020</p>	<p>https://doi.org/10.3390/polym12030601</p>
<p>Cell-free scaffold from jellyfish cassiopea andromeda (cnidaria; scyphozoa) for skin tissue engineering</p>	<p>Fernández Cervantes Irving; Rodríguez-Fuentes, Nayeli; León-Déniz, L. V.; Alcántara-Quintana, L. E.; Cervantes-Uc José Manuel; Herrera-Kao, Wilbert Antonio; Cerón-Espinosa, J. D.; Cauich-Rodríguez, J.V.; Castaño-Meneses, V.</p>	<p>Materials science & engineering c-materials for biological applications</p>	<p>5.880</p>	<p>19/02/2020</p>	<p>https://doi.org/10.1016/j.msec.2020.110748</p>
<p>Antibacterial activity of a glass ionomer cement doped with copper nanoparticles</p>	<p>Aguilar-Pérez, D.A.; Vargas-Coronado, R. F.; Cervantes-Uc José Manuel; Rodríguez-Fuentes, Nayeli; Aparicio, C.; Covarrubias, C.; Álvarez-Pérez, M. A.; García-Pérez, V.; Martínez-Hernández, M.; Cauich-Rodríguez, J.V.</p>	<p>Dental materials journal</p>	<p>2.102</p>	<p>05/06/2020</p>	<p>https://doi.org/10.4012/dmj.2019-046</p>

<p>Synthesis and characterization of metformin-pluronic based polyurethanes for controlled drug delivery</p>	<p>Bonilla Hernández, M.; Zapata Catzín Guido Antonio; Castillo Cruz Omar de Jesús; Vargas-Coronado, R. F.; Cervantes-Uc José Manuel; Xool Tamayo Jorge Froylan; Borges-Argáez, R.; Hernández-Baltazar, E.; Cauich-Rodríguez, J.V.</p>	<p>International journal of polymeric materials and polymeric biomaterials</p>	<p>1.982</p>	<p>24/03/2020</p>	<p>https://doi.org/10.1080/00914037.2020.1740996</p>
<p>Segmented poly(urea) urethane nanoparticles: size optimization using taguchi experimental design and nanoprecipitation method</p>	<p>Chan-Chan, Lerma Hanaiy; Martínez-Barbosa, M. E.; Vásquez-Alfaro, M. M.; Cauich-Rodríguez, J.V.; Cervantes-Uc José Manuel; Lagarda-Díaz, I.; Maldonado, A.</p>	<p>Current nanoscience</p>	<p>1.824</p>	<p>16/03/2020</p>	<p>https://doi.org/10.2174/1573413716666200324180010</p>
<p>In vitro and in vivo anti-inflammatory properties of Mayan propolis</p>	<p>Xool Tamayo Jorge Froylan; Chan-Zapata, I. H.; Arana-Argáez, V.E.; Torres-Romero, J. C.; Araujo-Leon, J. A.; Aguilar-Ayala, F.; Rejón-Peraza, M. E.; Castro-Linares, N. C.; Vargas-Coronado, R. F.; Cauich-Rodríguez, J.V.; Villa de la Torre Fabiola Elizabeth</p>	<p>European journal of inflammation</p>	<p>0.466</p>	<p>27/06/2020</p>	<p>https://doi.org/10.1177%2F2058739220935280</p>
<p>Effect of different exposure times on physicochemical, mechanical and biological properties of pgs scaffolds treated with plasma of iodine-doped polypyrrole</p>	<p>Martín Pat Gaspar Eduardo; Rodríguez-Fuentes, Nayeli; Cervantes-Uc José Manuel; Rosales Ibáñez, R.; Carrillo-Escalante, H. J.; Ku-González, Angela Francisca; Ávila-Ortega, A.; Hernández-Sánchez, Fernando</p>	<p>Journal of biomaterials applications</p>	<p>2.220</p>	<p>12/07/2020</p>	<p>https://doi.org/10.1177%2F0885328220941466</p>

Synthesis and characterization of pH sensitive hydrogel nanoparticles based on poly (n-isopropyl acrylamide-co-methacrylic acid)	Belman Flores Carlos Eduardo; Herrera-Kao, Wilbert Antonio; Vargas-Coronado, R. F.; May Pat Alejandro; Oliva, A. I.; Rodríguez-Fuentes, Nayeli; Vázquez-Torres, H.; Cauich-Rodríguez, J.V.; Cervantes-Uc José Manuel	Journal of materials science-materials in medicine	2.489	21/07/2020	https://doi.org/10.1007/s10856-020-06400-x
Non inflammatory properties of ex situ thiol-based copper chelates	Xool Tamayo Jorge Froylan; Castillo Cruz Omar de Jesús; Vargas-Coronado, R. F.; Cervantes-Uc José Manuel; Hernández-Sotomayor, Soledad María Teresa; Cauich-Rodríguez, J.V.	Materials letters	3.204	10/09/2020	https://doi.org/10.1016/j.matlet.2020.128657
Design of a polyacrylamide and gelatin hydrogel as a synthetic extracellular matrix	Torres-García, R.; Flores-Estrada, J.; Cauich-Rodríguez, J.V.; Flores-Reyes, M.; Flores-Merino, M. V.	International journal of polymeric materials and polymeric biomaterials	1.982	04/10/2020	https://doi.org/10.1080/00914037.2020.1825082
Effect of barium sulfate treatments on the mechanical properties of acrylic bone cements	Bolaina-Lorenzo, Ena Deyla; Cervantes-Uc José Manuel; Cauich-Rodríguez, J.V.; Ávila-Ortega, A.; Juárez-Moreno, Juan Antonio	Polymer bulletin	2.870	16/10/2020	https://doi.org/10.1007/s00289-020-03407-w
Microwave-assisted synthesis of the lipase-catalyzed ring-opening copolymerization of ϵ -caprolactone and ω -pentadecanolactone: thermal and ftir characterization	Herrera-Kao, Wilbert Antonio; Aguilar-Vega, M.J.; Cervantes-Uc José Manuel	E-polymers	2.025	13/11/2020	https://doi.org/10.1515/epoly-2020-0067

	Preparation and characterization of electrospun fibrous scaffolds of either pva or pvp for fast release of sildenafil citrate	Torres-Martínez, E. J.; Vera-Graziano, R.; Cervantes-Uc José Manuel; Bogdanchikova, N.; Olivas-Sarabia, A.; Valdez-Castro, R.; Iglesias, A. L.; Pérez-González, G. L.; Comejo-Bravo, J. M.; Villarreal-Gómez, L. J.	E-polymers	2.025	08/12/2020	https://doi.org/10.1515/epoly-2020-0070
MAE	Synthesis and characterization of new spirobisindane-based poly(imide)s: structure effects on solubility, thermal behavior, and gas transport properties	Jessop, I. A.; Bravo, D.; Durán, E.; Rodríguez-González, F.; Tagle, L. H.; Coll, D.; Ortiz, P.; Ming Ray; Aguilar-Vega, M.J.; Terraza, C. A.; Tundidor-Camba, A.	Journal of applied polymer science	2.520	11/01/2020	https://doi.org/10.1002/app.48944
	Delonix regia galactomannan-based edible films: effect of molecular weight and k-carrageenan on physicochemical properties	Rodríguez Canto Wilbert José; Cerqueira, M. A.; Chel-Guerrero, L.; Pastrana, L. M.; Aguilar-Vega, M.J.	Food hydrocolloids	9.147	02/01/2020	https://doi.org/10.1016/j.foodhyd.2019.105632
	Novel fluorinated aromatic polymers with ether-bond-free aryl backbones for pure and mixed gas separation	González-Díaz, M.O.; Cetina-Manzanilla, E.; Montes Luna Ángel de Jesús; Olvera, L. I.; ZOLOTUKHIN, M. G.; Cárdenas, J.; Aguilar-Vega, M.J.; Sulub-Sulub, Rita del Rosario	Journal of membrane science	7.183	08/04/2020	https://doi.org/10.1016/j.memsci.2020.118114
	Methylene blue removal from aqueous solutions by sulfonated polymeric porous sorbents	Yam-Cervantes, Marcial Alfredo; Aguilar-Vega, M.J.; Santiago-García, José Luis; Pizarro, G.; Godoy, M.; Sánchez, J.	Desalination and water treatment	1.254	14/05/2020	https://doi.org/10.5004/dwt.2020.25388

<p>Synthesis of poly (2-acrylamido-2-methylpropane sulfonic acid) and its block copolymers with methyl methacrylate and 2-hydroxyethyl methacrylate by quasilinging radical polymerization catalyzed by a cyclometalated ruthenium(ii) complex</p>	<p>Martínez Cornejo Vanessa; Velázquez-Roblero, J.; Rosiles-González, V.; Correa-Durán, M. S.; Ávila-Ortega, A.; Hernández-Núñez, E.; Le Lagadec, R.; González-Díaz, M.O.</p>	<p>Polymers</p>	<p>3.426</p>	<p>27/07/2020</p>	<p>https://doi.org/10.3390/polym12081663</p>
<p>New poly(imide)s bearing alkyl side-chains: a study on the impact of size and shape of lateral groups on thermal, mechanical, and gas transport properties</p>	<p>Rodríguez-González, F. E.; Pérez, G.; Niebla, V.; Jessop, I. A.; Martín-Trasanco, R.; Coll, D.; Ortiz, P.; Aguilar-Vega, M.J.; Tagle, L. H.; Terraza, C. A.; Tundidor-Camba, A.</p>	<p>Membranes</p>	<p>3.094</p>	<p>04/07/2020</p>	<p>https://doi.org/10.3390/membranes10070141</p>
<p>Intensification of the orange ii and black 5 degradation by sonophotocatalysis using ag-graphene oxide/tio2 systems</p>	<p>May-Lozano, M.; López-Medina, R.; Mendoza-Escamilla, V.; Rivadeneyra-Romero, G.; Alonzo-García, A.; Morales-Mora, M.; González-Díaz, M.O.; Martínez-Degadillo, S. A.</p>	<p>Chemical engineering and processing-process intensification</p>	<p>4.237</p>	<p>19/10/2020</p>	<p>https://doi.org/10.1016/j.cep.2020.108175</p>
<p>Pbi/clinoptilolite mixed-matrix membranes for binary (n2/ch4) and ternary (co2/n2/ch4) mixed gas separation</p>	<p>Montes Luna Ángel de Jesús; Fuentes-López, N. C.; Castruita De León, G.; Pérez-Camacho, O.; Yeiverino-Miranda, C. Y.; Perera Mercado Y. A.</p>	<p>Journal of applied polymer science</p>	<p>2.520</p>	<p>03/11/2020</p>	<p>https://doi.org/10.1002/app.50155</p>
<p>Amphiphilic poly (lactic acid) membranes with low fouling and enhanced hemodiafiltration</p>	<p>Xix Rodríguez Cynthia Carolina; Vázquez Catzim Arely Paulina; Alonzo-García, A.; Rodríguez-Fuentes, Nayeli; Vázquez-Torres, H.; González Díaz, A.; Aguilar-Vega, M.J.; González-Díaz, M.O.</p>	<p>Separation and purification technology</p>	<p>5.107</p>	<p>30/11/2020</p>	<p>https://doi.org/10.1016/j.seppur.2020.118124</p>

MCN	Closed-form solution and analysis of the plate twist test in sandwich and laminated composites	Guillén-Rujano, R.; Avilés-Cetina, Francis; Vidal-Lesso, A.; Hernandez-Perez, Adrian	Mechanics of materials	2.993	10/01/2021	https://doi.org/10.1016/j.mechmat.2021.103753
	Controlled release of essential oils using laminar nanoclay and porous halloysite / essential oil composites in a multilayer film reservoir	Saucedo-Zúñiga, J. N.; Sánchez-Valdés, S.; Ramírez-Vargas, E.; Guillen, L.; Ramos-De Valle, L. F.; Graciano-Verdugo, A.; Uribe-Calderón, Jorge; Valera-Zaragoza, M.; Lozano-Ramírez, T.; Rodríguez González Julio Alejandro; Borjas-Ramos, J.; Zuluaga-Parra, J. D.	Microporous and mesoporous materials	4.182	14/01/2021	https://doi.org/10.1016/j.micromeso.2021.110882
	Effect of polymer viscosity and polymerization kinetics on the electrical response of carbon nanotube yarn/vinyl ester monofilament composites	Rodríguez Uicab Omar Eduardo; Guay, I.; Abot, J. L.; Avilés-Cetina, Francis	Polymers	3.426	04/03/2021	https://doi.org/10.3390/polym13050783
	Mechanical performance of lightweight ceramic structures via binder jetting of microspheres	Mummareddy, B.; Burden, E.; Carrillo-Baeza, José Gonzalo; Myers, K.; MacDonald, E.; Cortes, P.	Applied sciences-basel	2.679	02/03/2021	https://doi.org/10.1007/s42452-021-04404-y
	Enhanced electrochemical properties of polypyrrole upon addition of acid-treated palygorskite templates	Díaz Arriaga Carlos Bellaner; Pacheco-Catalán, Daniella; Uribe-Calderón, Jorge	Materials chemistry and physics	3.408	29/03/2021	https://doi.org/10.1016/j.matchemphys.2021.124551

Fem-cfd simulation and experimental study of compound parabolic concentrator (cpc) solar collectors with and without fins for residential applications	Barron-Díaz, Javier Enrique; Flores-Johnson, Emmanuel Alejandro; Chan Colli Danny Gonzalo; Koh Dzul, Juan Francisco; Bassam, A.; Patiño-López, Luis David; Carrillo-Baeza, José Gonzalo	Applied sciences-basel	2.679	20/04/2021	https://doi.org/10.3390/app11083704
Carrera unified formulation for the micropolar plates	Carrera, E.; Zozulya-Volodimir, V.	Mechanics of advanced materials and structures	3.517	23/03/2021	https://doi.org/10.1080/15376494.2021.1889726
Ceiba pentandra cellulose crosslinked with citric acid for drug release systems	Peraza Ku Silvia Argelia; Escobar Morales Beatriz; Rodríguez-Fuentes, Nayeli; Cervantes-Uc José Manuel; Uribe-Calderón, Jorge	Carbohydrate research	2.104	28/04/2021	https://doi.org/10.1016/j.carres.2021.108334
Grain size dependent microstructure and texture evolution during dynamic deformation of nanocrystalline face-centered cubic materials	Li, H.; Chen, T.; Li, W.; Zhang, H.; Han, S.; Zhou, C.; Chen, Z.; Flores-Johnson, Emmanuel Alejandro; Shen, L.; Lian, J.; Beyerlein, I. J.; Liao, X.	Acta materialia	8.203	17/06/2021	https://doi.org/10.1016/j.actamat.2021.117088
Investigation of directional effects on the electrical conductivity and piezoresistivity of carbon nanotube/polypropylene composites obtained by extrusion	Balam, A.; Cruz-Estrada, R. H.; Castillo-Atoche, A.; Avilés-Cetina, Francis	Journal of materials science	3.553	17/06/2021	https://doi.org/10.1007/s10853-021-06223-3

RPM	Presence of polyphenols complex aromatic "lignin" in sargassum spp. From mexican caribbean	Alzate-Gaviria, L.; Domínguez-Maldonado, J.; Chable-Villacis, Rubí del Rosario; Olguin-Maciel, Edgar; Leal-Bautista, Rosa M.; Canché-Escamilla, Gonzalo; Caballero-Vázquez, José Adán; Hernández-Zepeda, Cecilia; Barredo-Pool, F.; Tapia Tussell Raúl	Journal of marine science and engineering	2.033	01/01/2021	https://doi.org/10.3390/jmse9010006
	Physicochemical properties and stability of pumpkin seed oil as affected by different extraction methods and species	Can-Cauch, C. A.; Sauri Duch Enrique; Cuevas Glory LF; Betancur-Ancona D.; Ortíz-Vázquez, E.; Ríos-Soberanis, C.R.; Chel-Guerrero, L.; González-Aguilar, G. A.; Moo-Huchin V. M.	International food research journal	0.610	25/02/2021	https://search.proquest.com/openview/3a4083aa42f424581fc1b9dbae143c91/1?pq-origsite=gscholar&cbl=816390
	Discoloration of green pet bottles recycled with chemical agents by reactive extrusion	Guillén-Mallete, J.; Ríos-Soberanis, C.R.; Enriquez Reyes Yazmin	Journal of elastomers and plastics	1.112	11/05/2021	https://doi.org/10.1177%2F00952443211015358
	Characterization and physical properties of mycelium films obtained from wild fungi: natural materials for potential biotechnological applications	César, E.; Canché-Escamilla, Gonzalo; Montoya, L.; Ramos, A.; Duarte-Aranda, S.; Bandala, V. M.	Journal of polymers and the environment	2.572	18/05/2021	https://doi.org/10.1007/s10924-021-02178-3
MMR	Antibacterial behavior of chitosan-sodium hyaluronate-pegde crosslinked films	Chuc Gamboa Martha Gabriela; Cámara-Perera, C.; Aguilar-Ayala, F.; Vargas-Coronado, R. F.; Cauich-Rodríguez, J.V.; Escobar-García, D. M.; Sánchez-Vargas, L. O.; Pacheco, Neith; San Román Julio	Applied sciences	2.679	30/01/2021	https://doi.org/10.3390/app11031267

In vitro antifungal activity screening of beach-cast seaweeds collected in Yucatan, Mexico	Gómez Hernández Mauricio; Rodríguez-García, C.M.; Peraza Echeverría Leticia; Peraza-Sánchez, S.; Torres-Tapia, L.; Pérez-Brito, D.; Vargas-Coronado, R. F.; Cauch-Rodríguez, J.V.	Journal of applied phycology	3.016	26/01/2021	https://doi.org/10.1007/s10811-021-02384-5
Characterization of starches obtained from several native potato varieties grown in Cusco (Peru)	Martínez, P.; Vilcarrromero, D.; Pozo, D.; Peña, F.; Cervantes-Uc José Manuel; Uribe-Calderón, Jorge; Velezmoro-Sánchez, C. E.	Journal of food science	2.478	24/02/2021	https://doi.org/10.1111/1750-3841.15650
Morphological and mechanical properties of electrospun polycaprolactone scaffolds: effect of applied voltage	Can Herrera Luis Alfonso; Oliva Avilés Andrés Iván; Dzul Cervantes Mario Adrián de Atocha; Pacheco-Salazar, Oscar Fernando; Cervantes-Uc José Manuel	Polymers	3.426	23/02/2021	https://doi.org/10.3390/polym13040662
Viscoelastic behavior and toughness of the DGEBA epoxy resin with 1,2-diaminocyclohexane: effect of functionalized poly(dimethylsiloxane), diglycidyl ether, PDMS-DGE, pre-reacted with 1,2-diaminocyclohexane	Arcos-Casarrubias, J. A.; Vázquez-Torres, H.; Granados-Olvera, J. A.; Cedeño, A. J.; Cervantes-Uc José Manuel	Polymer bulletin	2.870	16/03/2021	https://doi.org/10.1007/s00289-021-03607-y

	Silanized graphene oxide as a reinforcing agent for acrylic bone cements: physicochemical, mechanical and biological characterization	Levenez, B.; Gil Cortes Tania Paulina; Rodríguez-Fuentes, Nayeli; Enríquez-Jiménez, J.; Herrera-Kao, Wilbert Antonio; Loria-Bastarrachea, María Isabel de los Dolores; May Pat Alejandro; Guerrero-Bermea, C.; Uribe-Calderón, Jorge; Cervantes-Uc José Manuel	Journal of biomaterials science-polymer edition	2.690	21/06/2021	https://doi.org/10.1080/09205063.2021.1937464
	On arginine-based polyurethane-blends specific to vascular prostheses	Zumbardo-Bacelis, G. A.; Meza Villegas Linnette Aracely; Pérez Aranda Cesar Antonio; Vargas-Coronado, R. F.; Castillo Cruz Omar de Jesús; Montaño-Machado, V.; Mantovani, D.; Cauich-Rodríguez, J.V.	Journal of applied polymer science	2.520	09/06/2021	https://doi.org/10.1002/app.51247
MAE	Hydrogen production via ammonia from methane integrated with enhanced oil recovery: a techno-economic analysis	González Díaz, A.; Jiang, L.; González-Díaz, M.O.; Roskilly, A. P.; Smallbone, A. J.	Journal of environmental chemical engineering	4.300	09/01/2021	https://doi.org/10.1016/j.jece.2021.105050
	Techno-environmental analysis of the use of green hydrogen for cogeneration from the gasification of wood and fuel cell	González Díaz, A.; Sánchez-Ladrón-De Guevara, J. C.; Jiang, L.; González-Díaz, M.O.; Díaz-Herrera, P.; Font-Palma, C.	Sustainability	2.576	15/03/2021	https://doi.org/10.3390/su13063232

Tabla 2. Tesis de Maestría en Ciencias (Materiales Poliméricos) del período 2018-2021 organizadas por LGAC.

LGAC	Título	Participantes	Fecha	Enlace
2018				
MCN	Efecto de la funcionalización y orientación de nanotubos de carbono en la transferencia de cargas en la interface fibra-matriz en un material compuesto monofilamento	Sánchez Flores David de Jesús; Herrera-Franco, P.	12/03/2018	https://cicy.repositorioinstitucional.mx/jspui/handle/1003/1188
	Estudio sobre la capacidad de adsorción del pesticida imidacloprid en nano-arcillas de paligorskita	Palma Estrella Fernando; González-Chi, Pedro I.	23/03/2018	https://cicy.repositorioinstitucional.mx/jspui/handle/1003/1189
	Capacidad de adsorción del herbicida paraquat en nano-arcillas de paligorskita modificadas con compuestos catiónicos orgánicos	Torres López Enrique; González-Chi, Pedro I.	16/07/2018	https://cicy.repositorioinstitucional.mx/jspui/handle/1003/1185
RPM	Estudio del efecto del contenido y tamaño de partículas de la testa de la semilla del fruto de pich (<i>enterolobium cyclocarpum</i>) sobre las propiedades de un almidón termoplástico a base de dicho fruto	Colli Pacheco Juan Pablo; Ríos-Soberanis, C.R.; Pérez-Pacheco, Emilio	21/03/2018	https://cicy.repositorioinstitucional.mx/jspui/handle/1003/1190
	Obtención de un látex a base de poliestireno expandido/ acrilatos evaluado en un papel kraft	Caamal Canche Jesús Alberto; Carrillo-Baeza, José Gonzalo; Canché-Escamilla, Gonzalo	27/04/2018	https://cicy.repositorioinstitucional.mx/jspui/handle/1003/1191
	Evaluación de la resistencia al intemperismo acelerado y a termitas (<i>nasutitermes</i> sp.) De compositos a base de residuos de madera de pino y hdpe reciclado y madera de teca	Zacarias Calderón Edgar; Cruz-Estrada, R. H.	25/05/2018	https://cicy.repositorioinstitucional.mx/jspui/handle/1003/1187
MMR	Obtención y caracterización de andamios tegumentarios a partir de polímeros naturales	Fernández Cervantes Irving; Rodríguez-Fuentes, Nayeli	23/11/2018	https://cicy.repositorioinstitucional.mx/jspui/handle/1003/1448

	Obtención de andamio bi-capas, pila-gelatina, con geometría hexagonal de poro para posible uso en quemaduras profundas	Pech Pool Irma Merary; Hernández-Sánchez, Fernando	17/12/2018	https://cicy.repositorioinstitucional.mx/jspui/handle/1003/1443
2019				
MCN	Auto-sensado eléctrico de deformación y presión en películas y cilindros elastoméricos utilizando nanoestructuras híbridas de carbono	Pérez Aranda Cesar Antonio; Avilés-Cetina, Francis; Zozulya-Volodimir, V.	20/09/2019	https://cicy.repositorioinstitucional.mx/jspui/handle/1003/1622
	Estudio de materiales compuestos livianos tipo sándwich con núcleo de concreto espumado para aplicaciones estructurales	Castillo Lara Joaquín Francisco; Flores-Johnson, Emmanuel Alejandro; Valadez-González, Alex	09/12/2019	https://cicy.repositorioinstitucional.mx/jspui/handle/1003/1634
MAE	Preparación y caracterización de membranas de fibra hueca para u/a partir de polifenilsulfona sulfonada	Huhn Ibarra Mauricio José; Aguilar-Vega, M.J.	03/05/2019	https://cicy.repositorioinstitucional.mx/jspui/handle/1003/1515
	Eficiencia de diálisis en membranas de mezclas poliméricas con impregnación superficial de copolímeros funcionalizados	Xix Rodríguez Cynthia Carolina; González-Díaz, M.O.; Aguilar-Vega, M.J.	29/11/2019	https://cicy.repositorioinstitucional.mx/jspui/handle/1003/1636
2020				
MCN	Obtención de un material compuesto sensible a la radiación uv obtenido a partir de una matriz polimérica, tio2 y un colorante azo	Hernández Montalvo Ampelia Fernanda; Uribe-Calderón, Jorge	28/02/2020	https://cicy.repositorioinstitucional.mx/jspui/handle/1003/1646
	Estudio de un material compuesto bioinspirado en la estructura jerárquica de la concha nácar mediante el método de los elementos finitos	Frías Bastar David; Flores-Johnson, Emmanuel Alejandro; Herrera-Franco, P.	17/01/2020	https://cicy.repositorioinstitucional.mx/jspui/handle/1003/1784

RPM	Evaluación de dos especies leñosas de la península de Yucatán como posibles cultivos dendroenergéticos	Tepale Gómez María Aurora; Canché-Escamilla, Gonzalo; Hernández-Stefanoni, José Luis	02/07/2020	https://cicy.repositorioinstitucional.mx/jspui/handle/1003/1762
MMR	Síntesis y caracterización de partículas de n-isopropil acrilada y ácido metacrílico para la obtención de nanogeles sensibles al ph	Belman Flores Carlos Eduardo; Cervantes-Uc José Manuel; Vázquez-Torres, H.	24/01/2020	https://cicy.repositorioinstitucional.mx/jspui/handle/1003/1806
	Elaboración de andamios mediante electrohilado e impresión en tres dimensiones con potencial uso en regeneración ósea	Viera Ruiz Alejandro Emmanuel; Hernández-Sánchez, Fernando	11/09/2020	https://cicy.repositorioinstitucional.mx/jspui/handle/1003/1746
MAE	Biocompatibilidad de membranas de mezclas de pva/pamps de superficie microporosa	Várguez Catzim Arely Paulina; González-Díaz, M.O.; Rodríguez-Fuentes, Nayeli	26/06/2020	https://cicy.repositorioinstitucional.mx/jspui/handle/1003/1745
2021				
MCN	Estudio de los modos de falla interfacial en un material compuesto de monofilamento de fibra de carbono-nanotubos de carbono de pared múltiple-resina epóxica en función del tiempo de salinización	Bonillas López Mario de Jesús; Herrera-Franco, P.	14/04/2021	No disponible
RPM	Efecto del tipo de carbón activado, su concentración y el tiempo de mezclado sobre la coloración de envases de poli (tereftalato de etileno) color verde	Alfaro Espinosa Francisco Javier; Ríos-Soberanis, C.R.; Guillén-Mallette, J.	14/01/2021	https://cicy.repositorioinstitucional.mx/jspui/handle/1003/1807

	Formulación y evaluación de una película de desintegración oral con extracto antioxidante de propóleos de apis mellifera	Del Valle Herrera Celia María; Ríos-Soberanis, C.R.; Moo-Huchin V. M.	12/04/2021	No disponible
MMR	Síntesis y caracterización de un hidrogel a partir de colágena marina-poliuretano integrado con secretoma de células troncales con potencial aplicación en el tratamiento de úlceras venosas	León Campos María Ileana; Rodríguez-Fuentes, Nayeli; Claudio-Rizo, J. A.	19/01/2021	https://cicy.repositorioinstitucional.mx/jspui/handle/1003/1845
	Modificación superficial de películas de poli (ácido láctico), con plasma de ácido acrílico, para mejorar la viabilidad celular de fibroblastos	Pazos González Xianey María; Cervantes-Uc José Manuel; Rodríguez-Fuentes, Nayeli	17/03/2021	No disponible
	Elaboración de andamio de colágena de origen marino entrecruzado con glutaraldehído con potencial aplicación en la ingeniería de tejidos	Sosa Pool Andrea de Jesús; Rodríguez-Fuentes, Nayeli; Gómez Lizárraga Karla Karina	01/07/2021	No disponible
MAE	Polimerización radicalica de copolímeros en bloque de 2-acrilamida-2metilpropano ácido sulfónico: entrecruzamiento y caracterización de membranas catalíticas	Correa Duran Mónica Stephen; González-Díaz, M.O.; Aguilar-Vega, M.J.	25/01/2021	https://cicy.repositorioinstitucional.mx/jspui/handle/1003/1838
	Síntesis de copolímeros sulfonados de estructura controlada y su aplicación como membranas catalíticas	Rosiles González Verónica; González-Díaz, M.O.; Le Lagadec, R.	25/01/2021	https://cicy.repositorioinstitucional.mx/jspui/handle/1003/1805

Tabla 3. Patentes obtenidas y solicitadas en el período 2018-2021 por investigadores y alumnos de la Maestría en Ciencias (Materiales Poliméricos).

No. Registro	Título	Inventores	Fecha de Presentación	Fecha de Concesión	Estado
MX 356742 B	Método y aparato para obtener la frecuencia natural de vibración y el módulo elástico de multicapas con espesor nanométrico.	Fidel Fernando Gamboa Perera, Alejandro de Jesús López Puerto, <u>Francis Avilés Cetina</u> , José Emilio Corona Hernández, Andrés Iván Oliva Áreas	28/10/2014	06/05/2018	Concedida Vigente
MX 362540 B	Fibras recubiertas de nanotubos de carbono y método para su obtención mediante una técnica ultrasónica	<u>Francis Avilés Cetina</u> ; José de Jesús Kú Herrera	02/10/2013	18/12/2018	Concedida Vigente
MX 365082 B	Proceso y Sistema de obtención de gas dulce, gas sintético y azufre a partir de gas natural	Yibrán Argenis Perera Mercado, Luis Alfonso García Cerda, Griselda Castruita de León; Luis Alberto Villarreal Cárdenas; María Guadalupe Neira Velázquez; <u>Manuel de Jesús Aguilar Vega</u> ; María Isabel de los Dolores Loria Bastarrachea; José Luis Santiago García; Alejandra Aimée Gutierrez Mejía; Joel Osvaldo Pacheco Sotelo; Mariquidia Josseline Pacheco Pacheco; Ricardo Valdivia Barrientos; José Fidel Ramos Flores; Miguel Ángel Durán García; Miguel Ángel Hidalgo Pérez.	04/07/2013	03/04/2019	Concedida Vigente
MX 374042 B	"Proceso para la fabricación de un compuesto electroconductor con alto contenido de nanotubos de carbono con utilidad de termistor nanoestructurado"	<u>Francis Avilés Cetina</u> ; Marco Antonio Cen Puc; José Roberto Bautista Quijano; Alejandro May Pat; Gabriel Jesús Pool Balam	24/10/2013	19/02/2020	Concedida Vigente
Por asignar	Laminado Sándwich Posformable con Núcleo de un Material Compuesto Termoplástico Reciclado y caras metálicas	<u>José Gonzalo Carrillo Baeza</u> , Ricardo Alberto Gamboa Castellanos	17/12/2014	06/11/2020	Concedida Vigente
N/A	Membrana catalítica compuesta para producción de biodiesel	<u>Manuel de Jesús Aguilar Vega</u> , <u>María Ortencia González Díaz</u> , María Isabel Loria Bastarrachea, María Gloria Aca Aca, Emmanuelle Gómez Trejo López	08/04/2019	N/A	En Trámite

Tabla 4. Listado de proyectos con financiamiento externo de los profesores del NA (2016-2021).

Título del proyecto	Responsable	Participantes	Línea de investigación	Estado	Convocatoria	Financiamiento	Aprobado	Inicio vig	Fin vig
Modificación controlada de la energía superficial de nanoarcillas para su aplicación en la producción de nanocompuestos con matriz polimérica	Uribe Calderón Jorge Alonso	González Chi Pedro Iván, Martín Barrera Cesar, Cisneros Rosado David Enrique, Méndez García Iván, Paz Alpuche Emilio Felipe	Materiales compuestos y nanomateriales	Concluido	2013	Nacional-NA-PUB-CONACYT-FONSEC-Convocatoria De Investigación Básica SEP-CONACYT	26/06/2014	13/12/2014	13/01/2019
Piezoresistividad y monitoreo resistivo de deformación y procesos de falla en materiales compuestos jerárquicos: experimentación y modelado	Avilés Cetina Francis	Rodríguez Uicab Omar Eduardo, Cauich Rodríguez Juan Valerio, May Pat Alejandro, Vargas Coronado Rossana Faride, Seidel Gary Don, Kú Herrera José De Jesús, Li Yumeng, Ren Xiang, Chaurasia Adarsh, Cen Puc Marco Antonio, Gamboa Perera Fidel F., Lozano Pérez Celín, Espadas Escalante Juan José, Domínguez Rodríguez Gustavo	Materiales compuestos y nanomateriales	Concluido	2013	Nacional-NA-PUB-CONACYT-FONSEC-Convocatoria De Investigación Básica SEP-CONACYT	26/06/2014	13/01/2015	02/06/2018
Desarrollo de materiales compuestos jerárquicos reforzados con fibras celulósicas provenientes de residuos agroindustriales	Valadez González Alex	Herrera Franco Pedro Jesús, Bolio López Gloria Ivette	Materiales compuestos y nanomateriales	Concluido	2013	Nacional-NA-PUB-CONACYT-FONSEC-Convocatoria De Investigación Básica SEP-CONACYT	26/06/2014	13/01/2015	12/08/2019
Uso de biomasa leñosa como biocombustible sólido para la generación de energía eléctrica en zonas rurales	Canche Escamilla Gonzalo	Barahona Pérez Luis Felipe, Duarte Aranda Santiago, Hernández Stefanoni José Luis, May Pat Filogonio, Tun Dzul Fernando Jesús, Rivero Ayala Miguel Ángel, Ramírez Rivera Víctor Manuel, Segura Cristina, Grandon Héctor, Rodríguez Jiménez Sergio René	Materiales para aplicaciones especializadas	Concluido	2014	Nacional-NA-PUB-CONACYT-FONSEC-Fondo Sectorial CONACYT-Secretaría De Energía-Sustentabilidad Energética. SENER-CONACYT	18/12/2015	02/09/2016	30/05/2019

Liberación controlada de drogas antidiabéticas mediante nanoesferas de polímeros biodegradables	Cauich Rodríguez Juan Valerio	Cervantes Uc Jose Manuel, Hernández Sánchez Fernando, Vargas Coronado Rossana Faride, Gamboa Rejón Romy Thalia, Zapata Catzin Guido Antonio, Hernández Baltazar Efrén, Bonilla Hernández Marco, Borzacchiello Assunta	Materiales para medicina regenerativa	Concluido	2014	Nacional-NA-PUB-CONACYT-FOINS-Desarrollo Científico Para Atender Problemas Nacionales	05/06/2015	28/09/2015	28/03/2018
Biomateriales jerárquicos multifuncionales para la regeneración de vasos sanguíneos	Cauich Rodríguez Juan Valerio	Cervantes Uc José Manuel, Hernández Sotomayor Soledad María Teresa, López Casillas Fernando	Materiales para medicina regenerativa	Concluido	2015	Nacional-NA-PUB-CONACYT-FOINS-Investigación En Fronteras De La Ciencia	30/06/2016	11/10/2016	11/06/2019
Desarrollo de nuevos modelos de mecánica del medio continuo y su aplicación en materiales y estructuras en micro- y nano-escalas	Herrera Franco Pedro Jesús	Avilés Cetina Francis, Herrera Franco Pedro Jesús, Zozulya Volodymyr	Materiales compuestos y nanomateriales	Concluido	2015	Nacional-NA-PUB-CONACYT-FONSEC-Convocatoria SEP/SEMS-UPEPE-INEE/CONACYT	30/06/2016	14/09/2016	31/01/2020
Puesta en marcha y arranque de la línea de extrusión a nivel piloto y la línea semiindustrial de extrusión de pellets y perfiles del centro de innovación tecnológica (CIT) del CICY / fideicomiso	Canche Escamilla Gonzalo	Guillen Mallete Javier, Rivero Ayala Miguel Ángel	Reciclado y procesamiento de materiales	Concluido	2016	Nacional-NA-PUB-CPI-Centro De Investigación Científica De Yucatán, A.C.-Centro De Investigación Científica De Yucatán, A.C.	03/08/2016	01/06/2016	31/03/2018
Estudio de las propiedades superficiales de biomateriales poliméricos y su influencia en la conducta de adhesión y proliferación celular	Cervantes Uc José Manuel	Uribe Calderón Jorge Alonso, Cauich Rodríguez Juan Valerio, Hernández Sánchez Fernando, Herrera Kao Wilberth Antonio, Ávila Ortega Alejandro, Rodríguez Fuentes Nayeli	Materiales para medicina regenerativa	Ejecución	2016	Nacional-NA-PUB-CONACYT-FONSEC-Convocatoria De Investigación Básica SEP-CONACYT	11/12/2017	07/06/2018	07/06/2021

Desarrollo de materiales sustentables, ligeros y energéticamente eficientes para aplicaciones estructurales multifuncionales	Flores Johnson Emmanuel		Materiales compuestos y nanomateriales	Concluido	2016	Nacional-NA-PUB-CONACYT-FOINS-Fondo De Cooperación Internacional En Ciencia Y Tecnología	07/02/2017	12/04/2017	24/07/2018
Síntesis de copolímeros funcionalizados de estructura controlada y su aplicación como membranas catalíticas para la producción de biodiesel	González Diaz María Ortencia	Aguilar Vega Manuel De Jesús, Loria Bastarrachea María Isabel De Los Dolores, Canul Santiago Sergio Javier, Le Lagadec Ronan, Díaz Ballote Luis Felipe	Materiales para aplicaciones especializadas	Ejecución	2016	Nacional-NA-PUB-CONACYT-FONSEC-Convocatoria De Investigación Básica SEP-CONACYT	11/12/2017	28/09/2018	27/09/2021
Desarrollo de membranas catalíticamente activas para producir biodiesel. (cemiab-cluster biodiesel avanzado)	González Diaz María Ortencia	Santiago García José Luis, Aguilar Vega Manuel De Jesús, Loria Bastarrachea María Isabel De Los Dolores, González Diaz María Ortencia, Aca Aca Gloria, Sandoval Fabián Georgina Coral	Materiales para aplicaciones especializadas	Concluido	2016	Nacional-NA-PUB-CPI-Centro De Investigación Y Asistencia En Tecnología Y Diseño Del Estado De Jalisco, A.C.-Centro De Investigación Y Asistencia En Tecnología Y Diseño Del Estado De Jalisco, A.C.	30/06/2015	13/10/2016	01/03/2019
Desarrollo de membranas para aplicaciones en sistemas de energía, biomateriales, separación de gases y líquidos.	Canche Escamilla Gonzalo	Aguilar Vega Manuel De Jesús, Canche Escamilla Gonzalo, Duarte Aranda Santiago, Loria Bastarrachea María Isabel De Los Dolores, González Diaz María Ortencia	Materiales para aplicaciones especializadas	Concluido	2017	Nacional-NA-PUB-CPI-Centro De Investigación Científica De Yucatán, A.C.-Centro De Investigación Científica De Yucatán, A.C.		10/01/2017	31/12/2018
Desarrollo de materiales compuestos livianos con aplicaciones estructurales para zonas sísmicas	Flores Johnson Emmanuel	Carrillo Baeza José Gonzalo, Herrera Franco Pedro Jesús, Valadez González Alex, Qingming Li	Materiales compuestos y nanomateriales	Concluido	2017	Nacional-NA-PUB-CONACYT-FOINS-Desarrollo Científico Para Atender Problemas Nacionales	14/05/2018	03/09/2018	02/01/2021
Desarrollo, construcción e instalación de una celda de membranas para separación de mezclas de gases	Canche Escamilla Gonzalo	Aguilar Vega Manuel De Jesús, Loria Bastarrachea María Isabel De Los Dolores, Uer Secretaria, Montes Luna Ángel De Jesús, Ortiz Clavel Cesar, Sulub Sulub Rita Del Rosario	Materiales para aplicaciones especializadas	Concluido	2018	Nacional-NA-PUB-CONACYT-Consejo Nacional De Ciencia Y Tecnología-Consejo Nacional De Ciencia Y Tecnología	02/04/2018	10/05/2018	10/05/2019

Modificación superficial de fibras de polipropileno para mejorar la adherencia fibra-matriz cementicia en materiales de construcción	Cervantes Uc José Manuel	Uribe Calderón Jorge Alonso, Duarte Aranda Santiago, Herrera Kao Wilberth Antonio, May Pat Alejandro, Martín Barrera Cesar	Materiales para medicina regenerativa	Concluido	2018	Nacional-NA-PRIV-EMP-Grupo Matrix-Grupo Matrix	23/02/2018	26/02/2018	31/12/2018
V congreso internacional de biomateriales e ingeniería de órganos y tejidos	Cervantes Uc José Manuel	Carrillo Escalante Hugo Joel, Cauich Rodríguez Juan Valerio, Hernández Sánchez Fernando, Herrera Kao Wilberth Antonio, Vargas Coronado Rossana Faride, Rodríguez Fuentes Nayeli	Materiales para medicina regenerativa	Concluido	2018	Nacional-NA-PUB-CONACYT-Apoyos Especiales-Apoyos Especiales	17/07/2018	10/08/2018	30/11/2018
Pruebas de concepto y validación en un entorno relevante de un nuevo prototipo de panel aislante bio-espumado ligero para cadenas de frío en el manejo post captura de pulpo en Yucatán	Cervantes Uc José Manuel	Uribe Calderón Jorge Alonso, Canche Escamilla Gonzalo, Duarte Aranda Santiago, Herrera Kao Wilberth Antonio, May Pat Alejandro	Materiales para medicina regenerativa	Concluido	2018	Nacional-NA-PRIV-EMP-Mg Arquitectura Sustentable, S. A. De C. V.-Mg Arquitectura Sustentable, S. A. De C. V.	23/02/2018	01/04/2018	31/12/2018
Estudio de materiales compuestos biomiméticos con estructura jerárquica usando simulaciones computacionales avanzadas	Flores Johnson Emmanuel	Carrillo Baeza José Gonzalo, Herrera Franco Pedro Jesús, Valdez González Alex	Materiales compuestos y nanomateriales	Ejecución	2018	Nacional-NA-PUB-CONACYT-FONSEC-Convocatoria SEP/SEMS-UPEPE-INEE/CONACYT	01/10/2018	05/09/2019	08/10/2022
Nuevas fibras de nanocompuestos poliméricos con nanopartículas de cobre y evaluación a su actividad antimicrobiana y antifúngica	Cruz Delgado Víctor Javier	Canto Canche Blondy Beatriz, Chi Manzanero Bartolomé, Cruz Estrada Ricardo Herbé, Cupul Manzano Carlos Vidal, De Los Santos Briones Cesar, Oconnor Sánchez Ingrid Aileen, Valdez Garza Janett Anaid, Ávila Orta Carlos Alberto, González Morones Pablo, Soriano Corral Florentino	Reciclado y procesamiento de materiales	Concluido	2018	Nacional-NA-PUB-CPI-Centro De Investigación Científica De Yucatán, A.C.-Centro De Investigación Científica De Yucatán, A.C.	26/02/2018	26/02/2018	31/12/2018
Integrated thermo-mechanical monitoring of composites using carbon nanotube yarns	Avilés Cetina Francis	May Pat Alejandro, Rivero Ayala Miguel Ángel, Abot Jandro L	Materiales compuestos y nanomateriales	Ejecución	2019	International-In-Gub-Age-Office of Naval Research Global-Office of Naval Research Global		01/09/2019	31/08/2022

Aprovechamiento de polímeros de reciclo y residuos fibrosos para la producción de elementos de construcción	Cauich Rodríguez Juan Valerio	Guillen Mallete Javier, Canche Escamilla Gonzalo, Cruz Estrada Ricardo Herbé, Cupul Manzano Carlos Vidal, Duarte Aranda Santiago, May Pat Alejandro, Ríos Soberanis Carlos Rolando, Rodríguez Laviada José De Los Ángeles, Rivero Ayala Miguel Ángel, Cruz Delgado Víctor Javier	Reciclado y procesamiento de materiales	Concluido	2019	Nacional-NA-PUB-CPI-Centro De Investigación Científica De Yucatán, A.C.-Centro De Investigación Científica De Yucatán, A.C.	27/09/2019	01/10/2019	31/03/2021
Apoyo para el mantenimiento del equipo científico especializado localizado en el laboratorio de caracterización fisicoquímica de materiales del CICY	Cervantes Uc José Manuel			Concluido	2019	Nacional-NA-PUB-CONACYT-Consejo Nacional De Ciencia Y Tecnología-Consejo Nacional De Ciencia Y Tecnología		30/10/2019	30/11/2019
Desarrollo de actividades vinculadas a los proyectos de investigación del grupo de biomateriales de la UMAT-CICY para contribuir a incrementar los indicadores	Cervantes Uc José Manuel		Materiales para medicina regenerativa	Concluido	2019	Nacional-NA-PUB-CPI-Centro De Investigación Científica De Yucatán, A.C.-Centro De Investigación Científica De Yucatán, A.C.	27/09/2019	01/10/2019	30/09/2020
Desarrollo de materiales y productos con polietileno y polipropileno de reciclo y otros materiales, bajo nuevas condiciones de procesamiento	Cruz Delgado Víctor Javier	Guillen Mallete Javier, Cruz Estrada Ricardo Herbé, Cupul Manzano Carlos Vidal, Ríos Soberanis Carlos Rolando, Rodríguez Laviada José De Los Angeles, Rivero Ayala Miguel Ángel, Soria Argüello Gustavo	Reciclado y procesamiento de materiales	Concluido	2019			07/01/2019	31/12/2019