



Sistema Integral de Información Académica
Coordinación de Planeación, Evaluación y
Simplificación de la Gestión Institucional
Reporte individual



SOFIA GUILLERMINA BURILLO AMEZCUA

Datos Generales

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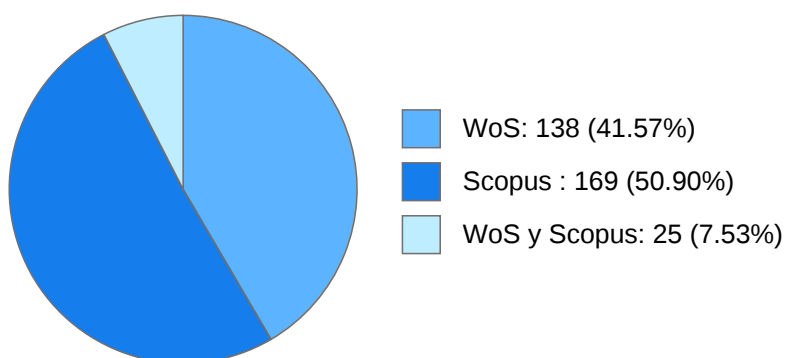
Estímulos, programas, premios y reconocimientos

SNI Emérito 2020 - VIGENTE
SNI III - 2019
PRIDE D - 2024

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DOCUMENTOS EN REVISTAS

Histórico de Documentos



#	Título	Autores	Revista	Año
1	Gamma radiation as an approach for the synthesis of silane-crosslinked xanthan gum films for drug delivery applications	ALEJANDRA ORTEGA ARAMBURU SOFIA GUILLERMINA BURILLO AMEZCUA LORENA GARCIA URIOSTEGUI et al.	Materials Today Communications	2025
2	Interpenetrated Polymer Network Systems (PEG/PNIPAAm) Using Gamma Irradiation: Biological Evaluation for Potential Biomedical Applications	GLORIA ANGELICA CRUZ GOMEZ SOFIA GUILLERMINA BURILLO AMEZCUA DANIEL PEREZ CALIXTO et al.	Materials	2024
3	Radiation grafting of 4-vinylpyridine and 2-hydroxyethyl methacrylate onto silicone rubber films, quaternization and antimicrobial properties	MARGARITA CANTU REYES ALEJANDRA ORTEGA ARAMBURU SOFIA GUILLERMINA BURILLO AMEZCUA et al.	RADIATION PHYSICS AND CHEMISTRY	2023
4	Reinforcement of Acrylamide Hydrogels with Cellulose Nanocrystals Using Gamma Radiation for Antibiotic Drug Delivery	ALEJANDRA ORTEGA ARAMBURU SUSANA VALENCIA AVALOS ERNESTO RIVERA GARCIA et al.	Gels	2023
5	Effect of gamma irradiation on the physical properties of poly(butylene succinate) (PBS) and poly(butylene succinate-co-adipate) (PBSA)	SOFIA GUILLERMINA BURILLO AMEZCUA Pérez-Valdez C. Navarro R. et al.	Polymer	2023

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6	Incorporation of a natural blue and green emitters onto a polyethylene films by grafting using gamma radiation	RICARDO DANIEL MARTINEZ SERRANO ALDO SALVADOR ESTRADA MONTAÑO ERNESTO RIVERA GARCIA et al.	Mrs Advances	2022
7	Comparative analysis of two hydrogel architectures synthesized by gamma radiation based on dimethylacrylamide and acrylic acid grafted on polyethylene	OMAR NOVELO PERALTA SOFIA GUILLERMINA BURILLO AMEZCUA Valencia-May E.G. et al.	RADIATION PHYSICS AND CHEMISTRY	2022
8	New photoluminescent polyethylene films grafted with a fluorescein derivative using gamma radiation	SOFIA GUILLERMINA BURILLO AMEZCUA ERNESTO RIVERA GARCIA Rojas-Montoya S.M. et al.	RADIATION PHYSICS AND CHEMISTRY	2022
9	Antifouling IPNs made of poly(ethylene glycol)/poly(N-isopropyl acrylamide) using gamma radiation	MITZI PAULINA PEREZ CALIXTO MARLENE ALEJANDRA VELAZCO MEDEL SOFIA GUILLERMINA BURILLO AMEZCUA et al.	MRS COMMUNICATIO NS	2022
10	Development of Polyphenol-Functionalized Gelatin-Poly(vinylpyrrolidone) IPN for Potential Biomedical Applications	LIDIA ESCUTIA GUADARRAMA DAVID MORALES MORALES DANIEL PEREZ CALIXTO et al.	POLYMERS	2022
11	Chitosan hydrogel synthesis to remove arsenic and fluoride ions from groundwater	SOFIA GUILLERMINA BURILLO AMEZCUA Burillo J.C. Ballinas L. et al.	JOURNAL OF HAZARDOUS MATERIALS	2021
12	Binary Graft of Poly(N-vinylcaprolactam) and Poly(acrylic acid) onto Chitosan Hydrogels Using Ionizing Radiation for the Retention and Controlled Release of Therapeutic Compounds	ALEJANDRA ORTEGA ARAMBURU SOFIA GUILLERMINA BURILLO AMEZCUA Sánchez A.	POLYMERS	2021
13	Modification of poly(tetrafluoroethylene) with polyallylamine by gamma radiation	ALEJANDRA ORTEGA ARAMBURU SOFIA GUILLERMINA BURILLO AMEZCUA Rosado D. et al.	RADIATION PHYSICS AND CHEMISTRY	2020
14	Amino-functionalized polymers by gamma radiation and their influence on macrophage polarization	MITZI PAULINA PEREZ CALIXTO SOFIA GUILLERMINA BURILLO AMEZCUA Díaz-Rodríguez P. et al.	REACTIVE & FUNCTIONAL POLYMERS	2020
15	Obtainment and Characterization of Hydrophilic Polysulfone Membranes by N-Vinylimidazole Grafting Induced by Gamma Irradiation	JAVIER ILLESCAS PEREZ SOFIA GUILLERMINA BURILLO AMEZCUA ERNESTO RIVERA GARCIA et al.	POLYMERS	2020
16	Surface modification of polyethylenterephthalate film with primary amines using gamma radiation and aminolysis reaction for cell adhesion studies	EFRÁÍN RODRIGUEZ ALBA MITZI PAULINA PEREZ CALIXTO MATHIEU CHRISTIAN ANNE HAUTEFEUILLE et al.	RADIATION PHYSICS AND CHEMISTRY	2020

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17	Coumarin Grafted Polyethylene Matrix as Colorimetric and Fluorescent Chemosensor for Metal Ions	SOFIA GUILLERMINA BURILLO AMEZCUA ERNESTO RIVERA GARCIA Vonlanthen M. et al.	MACROMOLECULAR CHEMISTRY AND PHYSICS	2020
18	Incorporation of photoluminescent 7-hydroxycoumarin units onto a polyethylene matrix by means of gamma radiation	EDGAR ALBERTO AGUILAR ORTIZ SOFIA GUILLERMINA BURILLO AMEZCUA ERNESTO RIVERA GARCIA et al.	RADIATION PHYSICS AND CHEMISTRY	2019
19	Surface Modification of Polypropylene with Primary Amines by Acrylamide Radiation Grafting and Hofmann's Transposition Reaction	EFRÁIN RODRIGUEZ ALBA LAZARO HUERTA ARCOS ALEJANDRA ORTEGA ARAMBURU et al.	Chemistryselect	2019
20	Surface functionalization of polypropylene and polyethylene films with allylamine by γ radiation	MITZI PAULINA PEREZ CALIXTO EMILIO BUCIO CARRILLO SOFIA GUILLERMINA BURILLO AMEZCUA et al.	MRS COMMUNICATIONS	2019
21	Removal of Cr(VI) ions using a binary grafting of N-vinylcaprolactam and N,N-dimethylacrylamide onto crosslinked chitosan, synthesized by gamma radiation	ALEJANDRA ORTEGA ARAMBURU SOFIA GUILLERMINA BURILLO AMEZCUA Patiño Z.	Journal Of The Mexican Chemical Society	2019
22	Amine modifications of polypropylene films by gamma radiation to be applied in cell cultures	MITZI PAULINA PEREZ CALIXTO LAZARO HUERTA ARCOS SOFIA GUILLERMINA BURILLO AMEZCUA	MRS COMMUNICATIONS	2019
23	Effect of ionizing radiation on the chemical structure and the physical properties of polycaprolactones of different molecular weight	SOFIA GUILLERMINA BURILLO AMEZCUA ESBAIDE ADEM CHAHIN Navarro R. et al.	POLYMERS	2018
24	Primary-amine surface functionalization of polytetrafluoroethylene films by radiation grafting of aminated polyacryloyl chloride	ALEJANDRA ORTEGA ARAMBURU SOFIA GUILLERMINA BURILLO AMEZCUA Martínez-Cocoletzi A. et al.	RADIATION PHYSICS AND CHEMISTRY	2018
25	Different hydrogel architectures synthesized by gamma radiation based on chitosan and N,N-dimethylacrylamide	SOFIA GUILLERMINA BURILLO AMEZCUA Tinoco D. Ortega A. et al.	MRS COMMUNICATIONS	2018
26	Graft Copolymerization of 2-Hydroxyethyl Methacrylate onto Chitosan Using Radiation Technique for Release of Diclofenac	SOFIA GUILLERMINA BURILLO AMEZCUA ALEJANDRA ORTEGA ARAMBURU Islas L.	MACROMOLECULAR RESEARCH	2018
27	Photoluminescent Grafted Polymers: Synthesis and Properties of a Polyethylene Matrix Covalently Linked with Porphyrin Units	Mireille Vonlanthen Andrea Ruii SOFIA GUILLERMINA BURILLO AMEZCUA et al.	MACROMOLECULAR CHEMISTRY AND PHYSICS	2018

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28	Preparation of photoluminescent grafted polymers, having a polyethylene matrix and pyrene units linked via oligo(ethylene glycol) spacers, using gamma radiation	SOFIA GUILLERMINA BURILLO AMEZCUA ERNESTO RIVERA GARCIA Valdez-Orozco I.E. et al.	RADIATION PHYSICS AND CHEMISTRY	2018
29	Modification and characterization of polysulfone films by ionizing radiation (gamma-rays) with enhanced hydrophilicity	SOFIA GUILLERMINA BURILLO AMEZCUA Sánchez-Salinas I.F. Illescas J. et al.	Mrs Advances	2018
30	Removal of arsenic and iron from mine-tailing leachate using chitosan hydrogels synthesized by gamma radiation	SOFIA GUILLERMINA BURILLO AMEZCUA ALEJANDRA ORTEGA ARAMBURU Carlos Burillo, Juan et al.	ENVIRONMENTAL EARTH SCIENCES	2017
31	Radiation grafting of N-vinylcaprolactam onto nano and macrogels of chitosan: Synthesis and characterization	ALEJANDRA ORTEGA ARAMBURU SOFIA GUILLERMINA BURILLO AMEZCUA Cruz, Angelica et al.	CARBOHYDRATE POLYMERS	2017
32	Synthesis of narrow molecular weight distribution polyvinyl acetate by gamma-rays initiated RAFT/MADIX miniemulsion polymerization	MARTHA MENES ARZATE FERNANDO LEON CEDEÑO ALEJANDRA ORTEGA ARAMBURU et al.	Polymer	2016
33	Surface characterization of poly(vinyl chloride) urinary catheters functionalized with acrylic acid and poly(ethylene glycol) methacrylate using gamma-radiation	SOFIA GUILLERMINA BURILLO AMEZCUA Islas, Luisa Ruiz, Juan-Carlos et al.	APPLIED SURFACE SCIENCE	2016
34	Surface characterization of poly(vinyl chloride) urinary catheters functionalized with acrylic acid and poly(ethylene glycol) methacrylate using gamma-radiation	SOFIA GUILLERMINA BURILLO AMEZCUA Islas L. Ruiz J.-C. et al.	APPLIED SURFACE SCIENCE	2016
35	Synthesis and characterization of N-vinylcaprolactam/N,N-dimethylacrylamide grafted onto chitosan networks by gamma radiation	ALEJANDRA ORTEGA ARAMBURU SOFIA GUILLERMINA BURILLO AMEZCUA Perez-Calixto, M. P. et al.	RADIATION PHYSICS AND CHEMISTRY	2016
36	Radiation grafting of pH-sensitive acrylic acid and 4-vinyl pyridine onto nylon-6 using one- and two-step methods	ALEJANDRA ORTEGA ARAMBURU Dario Alarcon Franklin MunozMunoz et al.	RADIATION PHYSICS AND CHEMISTRY	2015
37	Dual-stimuli responsive copolymers based on N-vinylcaprolactam/chitosan	Jose Angel Montes ALEJANDRA ORTEGA ARAMBURU SOFIA GUILLERMINA BURILLO AMEZCUA	JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY	2015

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38	Radiation-grafting of N-vinylimidazole onto silicone rubber for antimicrobial properties	SOFIA GUILLERMINA BURILLO AMEZCUA EMILIO BUCIO CARRILLO Ivan MelendezOrtiz, H. et al.	RADIATION PHYSICS AND CHEMISTRY	2015
39	Singly and binary grafted poly(vinyl chloride) urinary catheters that elute ciprofloxacin and prevent bacteria adhesion	Luisa Islas LUIS FELIPE DEL CASTILLO DAVILA SOFIA GUILLERMINA BURILLO AMEZCUA et al.	INTERNATIONAL JOURNAL OF PHARMACEUTICS	2015
40	Mucoadhesive thermo-responsive chitosan-g-poly(N-isopropylacrylamide) polymeric micelles via a one-pot gamma-radiation-assisted pathway	Brenda VazquezGonzalez Franklin MunozMunoz SOFIA GUILLERMINA BURILLO AMEZCUA et al.	COLLOIDS AND SURFACES B-BIOINTERFACES	2015
41	Polyamide-6: The effects on mechanical and physicochemical properties by electron beam irradiation at different temperatures	ESBAIDE ADEM CHAHIN SOFIA GUILLERMINA BURILLO AMEZCUA LUIS FELIPE DEL CASTILLO DAVILA et al.	RADIATION PHYSICS AND CHEMISTRY	2014
42	Materials with fungi-bioinspired surface for efficient binding and fungi-sensitive release of antifungal agents	Tania Segura SOFIA GUILLERMINA BURILLO AMEZCUA Puga, Ana M. et al.	Biomacromolecules	2014
43	Retention of heavy metal ions on comb-type hydrogels based on acrylic acid and 4-vinylpyridine, synthesized by gamma radiation	ROBERTO GONZALEZ GOMEZ ALEJANDRA ORTEGA ARAMBURU Luz M. Lazo et al.	RADIATION PHYSICS AND CHEMISTRY	2014
44	A protective study of 2-vinyl naphthalene in silicone grease and oil against gamma radiation	Giovanni Gonzalez Perez SOFIA GUILLERMINA BURILLO AMEZCUA Camejo, Angel	JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY	2013
45	Electron beam irradiated polyamide-6 at different temperatures	SOFIA GUILLERMINA BURILLO AMEZCUA ESBAIDE ADEM CHAHIN EDUARDO ADALBERTO MUÑOZ PICONE et al.	RADIATION PHYSICS AND CHEMISTRY	2013
46	Immobilization of liposomes on temperature-responsive polymer networks cross-linked with poly-L-lysine and grafted onto polypropylene	Lorena Garcia Uriostegui SOFIA GUILLERMINA BURILLO AMEZCUA Concheiro, Angel et al.	DESIGNED MONOMERS AND POLYMERS	2013
47	Evaluation of 2-vinylnaphthalene and 4-vinylbiphenyl as antirads to increase the radiation resistance of poly(vinyl chloride)	Lorena Garcia Uriostegui Nestor Dionisio SOFIA GUILLERMINA BURILLO AMEZCUA	POLYMER DEGRADATION AND STABILITY	2013
48	Modification of silicone sealant to improve gamma radiation resistance, by addition of protective agents	Giovanni Gonzalez Perez SOFIA GUILLERMINA BURILLO AMEZCUA	RADIATION PHYSICS AND CHEMISTRY	2013

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49	Radiation modification of silicone rubber with glycidylmethacrylate	Tania Segura SOFIA GUILLERMINA BURILLO AMEZCUA	RADIATION PHYSICS AND CHEMISTRY	2013
50	Effects of aromatic diacetylenes on polyurethane degradation by gamma irradiation	SOFIA GUILLERMINA BURILLO AMEZCUA Miriam F. Beristain ERNESTO SANCHEZ COLIN et al.	POLYMER DEGRADATION AND STABILITY	2013
51	Radiation induces grafting of styrene onto silicone sealant films	Giovanni Gonzalez Perez SOFIA GUILLERMINA BURILLO AMEZCUA	JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY	2013
52	Adsorption of chromium(VI) on radiation grafted N,N-dimethylaminoethylmethacrylate onto polypropylene, from aqueous solutions	SOFIA GUILLERMINA BURILLO AMEZCUA Serrano-Gómez J. Bonifacio-Martínez J.	Journal Of The Mexican Chemical Society	2013
53	Cu(II) immobilization in AAc/NIPAAm-based polymer systems synthesized using ionizing radiation	SOFIA GUILLERMINA BURILLO AMEZCUA BERTA SUSANA CASTILLO ROJAS Herzain Arrieta	RADIATION PHYSICS AND CHEMISTRY	2012
54	Synthesis and characterization of thermosensitive interpenetrating polymer networks based on N-isopropylacrylamide/N-acryloxysuccinimide, crosslinked with polylysine, grafted on	Lorena Garcia Uriostegui SOFIA GUILLERMINA BURILLO AMEZCUA EMILIO BUCIO CARRILLO	RADIATION PHYSICS AND CHEMISTRY	2012
55	Unexpected Absorbance Enhancement upon Clustering Dyes in a Polymer Matrix	Adriana Gelover Santiago SOFIA GUILLERMINA BURILLO AMEZCUA ERNESTO RIVERA GARCIA et al.	JOURNAL OF PHYSICAL CHEMISTRY B	2012
56	Grafting of styrene and 2-vinylnaphthalene onto silicone rubber to improve radiation resistance	Giovanni Gonzalez Perez SOFIA GUILLERMINA BURILLO AMEZCUA TAKESHI OGAWA MURATA et al.	POLYMER DEGRADATION AND STABILITY	2012
57	Gamma radiation synthesis of comb-type graft hydrogels based on poly(acrylic acid) and 4-vinylpyridine	Ricardo Neri SOFIA GUILLERMINA BURILLO AMEZCUA BERTA SUSANA CASTILLO ROJAS	JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY	2011
58	Use of pH-sensitive polymer hydrogels in lead removal from aqueous solution	Elizabeth Ramirez SOFIA GUILLERMINA BURILLO AMEZCUA C. Barrera Diaz et al.	JOURNAL OF HAZARDOUS MATERIALS	2011
59	Novel comb-type hydrogels of net-[PP-g-AAc]-g-4VP synthesized by gamma radiation, with possible application on Cu ²⁺ immobilization	L. M. Lazo SOFIA GUILLERMINA BURILLO AMEZCUA	RADIATION PHYSICS AND CHEMISTRY	2010

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60	Medical devices modified at the surface by gamma-ray grafting for drug loading and delivery	EMILIO BUCIO CARRILLO SOFIA GUILLERMINA BURILLO AMEZCUA Alvarez-Lorenzo, Carmen et al.	Expert Opinion on Drug Delivery	2010
61	Cyclodextrin-functionalized biomaterials loaded with miconazole prevent Candida albicans biofilm formation in vitro	Cesar A. B. Nava Ortiz SOFIA GUILLERMINA BURILLO AMEZCUA EMILIO BUCIO CARRILLO et al.	ACTA BIOMATERIALIA	2010
62	Radiation grafting of NIPAAm and acryloxysuccinimide onto PP films and sequent crosslinking with polylysine	Lorena Garcia Uriostegui SOFIA GUILLERMINA BURILLO AMEZCUA EMILIO BUCIO CARRILLO	EUROPEAN POLYMER JOURNAL	2010
63	Synthesis of comb type and semi-interpenetrating networks of acryloyl-L-proline methyl ester and poly (acrylic acid) for Cu (II) immobilization	Giovanni Gonzalez SOFIA GUILLERMINA BURILLO AMEZCUA	RADIATION PHYSICS AND CHEMISTRY	2010
64	Formation of Nanostructures in Highly Irradiated Poly (Vinyl Chloride)	ESBAIDE ADEM CHAHIN DONALD HOMERO GALVAN MARTINEZ LEONEL SUSANO COTA ARAIZA et al.	FULLERENES NANOTUBES AND CARBON NANOSTRUCTURES	2010
65	Electron beam irradiation of fluoropolymers containing polyethers	EMILIO BUCIO CARRILLO SOFIA GUILLERMINA BURILLO AMEZCUA LUIS FERNANDO TAPIA SCHIAVON et al.	RADIATION PHYSICS AND CHEMISTRY	2009
66	Radiation-grafting of 4-vinylpyridine and N-isopropylacrylamide onto polypropylene to give novel pH and thermo-sensitive films	H. I. Melendez Ortiz EMILIO BUCIO CARRILLO SOFIA GUILLERMINA BURILLO AMEZCUA	RADIATION PHYSICS AND CHEMISTRY	2009
67	Modification of polyethylene films by radiation grafting of glycidyl methacrylate and immobilization of beta-cyclodextrin	C. A. B. Nava Ortiz SOFIA GUILLERMINA BURILLO AMEZCUA EMILIO BUCIO CARRILLO et al.	RADIATION PHYSICS AND CHEMISTRY	2009
68	Radiation-induced grafting of sensitive polymers	EMILIO BUCIO CARRILLO SOFIA GUILLERMINA BURILLO AMEZCUA	JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY	2009
69	pH- and Temperature-Responsive Behavior of Comb-Type Graft Hydrogels of Poly(acrylic acid) Synthesized Using Gamma Radiation	JAVIER ILLESCAS PEREZ SOFIA GUILLERMINA BURILLO AMEZCUA	MACROMOLECULAR MATERIALS AND ENGINEERING	2009
70	Characterization of interpenetrating networks of acrylic acid (AAc) and N-isopropylacrylamide (NIPAAm) synthesized by ionizing radiation	ESBAIDE ADEM CHAHIN SOFIA GUILLERMINA BURILLO AMEZCUA EMILIO BUCIO CARRILLO et al.	RADIATION PHYSICS AND CHEMISTRY	2009

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71	Cyclodextrin-functionalized polyethylene and polypropylene as biocompatible materials for diclofenac delivery	Cesar A. B. Nava Ortiz EMILIO BUCIO CARRILLO SOFIA GUILLERMINA BURILLO AMEZCUA et al.	INTERNATIONAL JOURNAL OF PHARMACEUTICS	2009
72	Surface characterization of new versatile thermal-pH sensitive graft copolymers	H. Ivan Melendez Ortiz EMILIO BUCIO CARRILLO SOFIA GUILLERMINA BURILLO AMEZCUA et al.	Abstracts Of Papers Of The American Chemical Society	2009
73	POLY 127-Cyclodextrin-functionalized polyethylene and polypropylene for diclofenac delivery from biomedical devices	C. A. B. Nava Ortiz SOFIA GUILLERMINA BURILLO AMEZCUA EMILIO BUCIO CARRILLO et al.	Abstracts Of Papers Of The American Chemical Society	2009
74	POLY 134-Synthesis and characterization of binary grafting of N-acryloxysuccinimide and N-isopropylacrylamide onto polypropylene by gamma radiation in two steps	SOFIA GUILLERMINA BURILLO AMEZCUA EMILIO BUCIO CARRILLO Uriostegui, LG	Abstracts Of Papers Of The American Chemical Society	2009
75	POLY 54-Synthesis and characterization of poly(acrylic acid)-g-poly-(acryloyl-L-proline methyl ester) onto PP films	Sandra Leticia Castillejos Mosqueda SOFIA GUILLERMINA BURILLO AMEZCUA EMILIO BUCIO CARRILLO	Abstracts Of Papers Of The American Chemical Society	2009
76	Thermo and pH sensitive copolymer based on acrylic acid and N-isopropylacrylamide grafted onto polypropylene	Yessica S. Ramirez Fuentes EMILIO BUCIO CARRILLO SOFIA GUILLERMINA BURILLO AMEZCUA	JOURNAL FOR THE STUDY OF EDUCATION AND DEVELOPMENT	2008
77	New interpenetrating polymer networks of N-isopropylacrylamide/N-acryloxysuccinimide: Synthesis and characterization	ALEJANDRA ORTEGA ARAMBURU EMILIO BUCIO CARRILLO SOFIA GUILLERMINA BURILLO AMEZCUA	JOURNAL FOR THE STUDY OF EDUCATION AND DEVELOPMENT	2008
78	Radiation grafting of N,N'-dimethylacrylamide and N-isopropylacrylamide onto polypropylene films by two-step method	A. Contreras Garcia SOFIA GUILLERMINA BURILLO AMEZCUA R. Aliev et al.	RADIATION PHYSICS AND CHEMISTRY	2008

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79	Polypropylene grafted with smart polymers (PNIPAAm/PAAC) for loading and controlled release of vancomycin	Juan-Carlos Ruiz SOFIA GUILLERMINA BURILLO AMEZCUA EMILIO BUCIO CARRILLO et al.	EUROPEAN JOURNAL OF PHARMACEUTICS AND BIOPHARMACEUTICS	2008
80	Electrical characterization of thin films of Al ₂ O ₃ deposited on GaAs by spray pyrolysis technique	JOSE CHAVEZ RAMIREZ SOFIA GUILLERMINA BURILLO AMEZCUA SEBASTIAN LOPEZ ROMERO et al.	MATERIA-RIO DE JANEIRO	2008
81	Radiation grafting of pH and thermosensitive N-isopropylacrylamide and acrylic acid onto PTFE films by two-steps process	EMILIO BUCIO CARRILLO SOFIA GUILLERMINA BURILLO AMEZCUA	RADIATION PHYSICS AND CHEMISTRY	2007
82	Radiation grafting of N-isopropylacrylamide onto poly(vinyl chloride) tubes by gamma irradiation	EVER ARENAS BERUMEN EMILIO BUCIO CARRILLO SOFIA GUILLERMINA BURILLO AMEZCUA et al.	JOURNAL FOR THE STUDY OF EDUCATION AND DEVELOPMENT	2007
83	Radiation polymerization and crosslinking of (N-isopropylacrylamide) in solution and in solid state	EMILIO BUCIO CARRILLO SOFIA GUILLERMINA BURILLO AMEZCUA Ortega A.	JOURNAL FOR THE STUDY OF EDUCATION AND DEVELOPMENT	2007
84	Temperature and pH-sensitive swelling behavior of binary DMAEMA/4VP grafts on poly(propylene) films	SOFIA GUILLERMINA BURILLO AMEZCUA EMILIO BUCIO CARRILLO EVER ARENAS BERUMEN et al.	MACROMOLECULAR MATERIALS AND ENGINEERING	2007
85	Electron beam irradiation effects on poly(ethylene terephthalate)	SOFIA GUILLERMINA BURILLO AMEZCUA EMILIO BUCIO CARRILLO ESBAIDE ADEM CHAHIN et al.	RADIATION PHYSICS AND CHEMISTRY	2007
86	Radiation grafting of poly(ethylene glycol) methacrylate onto poly(vinyl chloride) tubes	EVER ARENAS BERUMEN EMILIO BUCIO CARRILLO SOFIA GUILLERMINA BURILLO AMEZCUA et al.	DESIGNED MONOMERS AND POLYMERS	2007
87	IPN's of acrylic acid and N-isopropylacrylamide by gamma and electron beam irradiation	SOFIA GUILLERMINA BURILLO AMEZCUA Briones M. Adem E.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	2007

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88	Radiation-induced grafting of N-isopropylacrylamide and acrylic acid onto polypropylene films by two step method	EMILIO BUCIO CARRILLO SOFIA GUILLERMINA BURILLO AMEZCUA Ramírez-Fuentes Y.S.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	2007
89	Interpenetrating thermo and pH stimuli-responsive polymer networks of PAAc/PNIPAAm grafted onto PP	SOFIA GUILLERMINA BURILLO AMEZCUA EMILIO BUCIO CARRILLO Ruiz J.-C.	MACROMOLECULAR MATERIALS AND ENGINEERING	2007
90	Dynamic mechanical properties of compatibilized PET with radiation oxidized HDPE	ESBAIDE ADEM CHAHIN SOFIA GUILLERMINA BURILLO AMEZCUA Herrera-Franco P.J. et al.	JOURNAL FOR THE STUDY OF EDUCATION AND DEVELOPMENT	2006
91	Radiation grafting of N-isopropylacrylamide onto polypropylene films by preirradiation method	EMILIO BUCIO CARRILLO EVER ARENAS BERUMEN SOFIA GUILLERMINA BURILLO AMEZCUA	MOLECULAR CRYSTALS AND LIQUID CRYSTALS	2006
92	Surface characterization of binary grafting of AAc/NIPAAm onto poly(tetrafluoroethylene) (PTFE)	ESBAIDE ADEM CHAHIN MIGUEL AVALOS BORJA EMILIO BUCIO CARRILLO et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	2005
93	Radiation compatibilization of polyamide-6/polypropylene blends, enhanced by the presence of compatibilizing agent	ESBAIDE ADEM CHAHIN SOFIA GUILLERMINA BURILLO AMEZCUA MIGUEL AVALOS BORJA et al.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	2005

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94	Immobilization of streptavidin-horseradish peroxidase onto a biotinylated poly(acrylic acid) backbone that had been radiation-grafted to a PTFE film	ALEJANDRO ALAGON CANO ROUSTAM ALIEV SOFIA GUILLERMINA BURILLO AMEZCUA et al.	JOURNAL OF BIOMATERIALS SCIENCE-POLYMER EDITION	2005
95	Photochemical effect of azocompounds acrylates grafted in different polymeric matrices	SOFIA GUILLERMINA BURILLO AMEZCUA EMILIO BUCIO CARRILLO MARIA DEL PILAR CARREON CASTRO et al.	JOURNAL FOR THE STUDY OF EDUCATION AND DEVELOPMENT	2005
96	Temperature sensitive behavior of poly(N-isopropylacrylamide) grafted onto electron beam-irradiated poly(propylene)	EMILIO BUCIO CARRILLO SOFIA GUILLERMINA BURILLO AMEZCUA ESBAIDE ADEM CHAHIN et al.	MACROMOLECULAR MATERIALS AND ENGINEERING	2005
97	Synthesis and characterization of azo acrylates grafted onto polyethylene terephthalate by gamma irradiation	EMILIO BUCIO CARRILLO SOFIA GUILLERMINA BURILLO AMEZCUA Skewes P.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	2005
98	Study of surface chemical changes in PVDF irradiated by 1.3 MeV electrons	ESBAIDE ADEM CHAHIN SOFIA GUILLERMINA BURILLO AMEZCUA JORGE EDUARDO RICKARDS CAMPBELL et al.	JOURNAL FOR THE STUDY OF EDUCATION AND DEVELOPMENT	2004
99	Functionalization of polypropylene film by radiation grafting of acryloyl chloride and subsequent esterification with Disperse Red 1	EMILIO BUCIO CARRILLO SOFIA GUILLERMINA BURILLO AMEZCUA MARIA DEL PILAR CARREON CASTRO et al.	JOURNAL OF APPLIED POLYMER SCIENCE	2004
100	Immobilization of disperse red 1 on to polydiethyleneglycol-bis- allylcarbonate (CR-39) radiation grafted with poly(acryloyl chloride)	ROUSTAM ALIEV MARGARITA RIVERA HERNANDEZ SOFIA GUILLERMINA BURILLO AMEZCUA et al.	JOURNAL FOR THE STUDY OF EDUCATION AND DEVELOPMENT	2004
101	Radiation Graft Copolymerization of Acrylic Acid and N-Isopropylacrylamide from binary mixtures onto Polytetrafluoroethylene	ROUSTAM ALIEV SOFIA GUILLERMINA BURILLO AMEZCUA Palacios O.	JOURNAL FOR THE STUDY OF EDUCATION AND DEVELOPMENT	2003

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102	Electron and proton irradiation of poly(vinylidene fluoride): Characterization by electron paramagnetic resonance	SOFIA GUILLERMINA BURILLO AMEZCUA EDUARDO ADALBERTO MUÑOZ PICONE Adem E. et al.	POLYMER DEGRADATION AND STABILITY	2003
103	Changes in the physical and chemical properties of PVDF irradiated by 4 MeV protons	ESBAIDE ADEM CHAHIN JORGE EDUARDO RICKARDS CAMPBELL EDUARDO ADALBERTO MUÑOZ PICONE et al.	REVISTA MEXICANA DE FISICA	2003
104	A study of the electrical properties of Al ₂ O ₃ films deposited on GaAs substrates by spray pyrolysis	JOSE CHAVEZ RAMIREZ SOFIA GUILLERMINA BURILLO AMEZCUA Aguilar-Fruti M. et al.	SURFACE REVIEW AND LETTERS	2002
105	Comparison of methods for the photochemical degradation of chlorophenols	PANDIYAN THANGARASU SOFIA GUILLERMINA BURILLO AMEZCUA MIGUEL ANGEL MARTINEZ CARRILLO et al.	JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY	2002
106	Compatibilization of recycled and virgin PET with radiation-oxidized HDPE	SOFIA GUILLERMINA BURILLO AMEZCUA ESBAIDE ADEM CHAHIN Herrera-Franco P. et al.	RADIATION PHYSICS AND CHEMISTRY	2002
107	Polymer recycling: Potential application of radiation technology	SOFIA GUILLERMINA BURILLO AMEZCUA Clough R.L. Czvikovszky T. et al.	RADIATION PHYSICS AND CHEMISTRY	2002
108	Radiation grafting of N,N-dimethylaminoethylmethacrylate and 4-vinylpyridine onto polypropylene by the one- and two-step methods	EMILIO BUCIO CARRILLO ROUSTAM ALIEV SOFIA GUILLERMINA BURILLO AMEZCUA	JOURNAL FOR THE STUDY OF EDUCATION AND DEVELOPMENT	2002
109	Radiation-induced grafting of functional acrylic monomers onto polyethylene and polypropylene films using acryloyl chloride	EMILIO BUCIO CARRILLO GERARDO CEDILLO VALVERDE SOFIA GUILLERMINA BURILLO AMEZCUA et al.	JOURNAL FOR THE STUDY OF EDUCATION AND DEVELOPMENT	2001
110	Synthesis and polyesterification of 1-mono-p-phenylbenzoate of glycerol	SOFIA GUILLERMINA BURILLO AMEZCUA AURELIA MARIA LETICIA BAÑOS LOPEZ Lopez D. et al.	DESIGNED MONOMERS AND POLYMERS	2001
111	Study of the extinction dynamics of the mercury beating heart reaction in acid solution and in the presence of γ -radiation	BERTA SUSANA CASTILLO ROJAS JOSE LUZ GONZALEZ CHAVEZ LUIS ALBERTO VICENTE HINESTROZA et al.	JOURNAL OF PHYSICAL CHEMISTRY A	2001
112	Crosslinking of recycled polyethylene by gamma irradiation in the presence of sensitizers	SOFIA GUILLERMINA BURILLO AMEZCUA MARIA DEL PILAR CARREON CASTRO ESBAIDE ADEM CHAHIN et al.	RADIATION PHYSICS AND CHEMISTRY	2001

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113	Radiation grafting of N,N-dimethylaminoethylmethacrylate onto poly(ethylene terephthalate)	MARIA DEL PILAR CARREON CASTRO ROUSTAM ALIEV SOFIA GUILLERMINA BURILLO AMEZCUA et al.	JOURNAL FOR THE STUDY OF EDUCATION AND DEVELOPMENT	2000
114	Radiation crosslinking of bisphenol-a polycarbonate in the presence of bisphenol-a dimethacrylate and triallyl cyanurate	ROUSTAM ALIEV GERARDO CEDILLO VALVERDE SOFIA GUILLERMINA BURILLO AMEZCUA	JOURNAL FOR THE STUDY OF EDUCATION AND DEVELOPMENT	2000
115	Graft polymerization of acrylic acid onto polycarbonate by the preirradiation method	ROUSTAM ALIEV SOFIA GUILLERMINA BURILLO AMEZCUA García P.	RADIATION PHYSICS AND CHEMISTRY	2000
116	Third order nonlinear optical susceptibility of Langmuir-Blodgett membranes of some aromatic polydiacetylenes determined by Z-scan technique	MARIA DEL PILAR CARREON CASTRO SOFIA GUILLERMINA BURILLO AMEZCUA TAKESHI OGAWA MURATA	Molecular Crystals And Liquid Crystals Science And Technology Section B: Nonlinear Optics	2000
117	Studies on salts of amine-containing polymers with benzoic acids. III. PolyCtyN-dimethylaminoethyl methacrylate-g-polyethylene with benzoic acids	SOFIA GUILLERMINA BURILLO AMEZCUA EMILIO BUCIO CARRILLO ERNESTINA CERVERA FLORES et al.	JOURNAL OF APPLIED POLYMER SCIENCE	2000
118	Changes in poly-vinylidene fluoride produced by electron irradiation	ESBAIDE ADEM CHAHIN JORGE EDUARDO RICKARDS CAMPBELL SOFIA GUILLERMINA BURILLO AMEZCUA et al.	RADIATION PHYSICS AND CHEMISTRY	1999
119	Graft polymerization of N,N-dimethylaminoethylmethacrylate onto polycarbonates by the preirradiation method	MARIA DEL PILAR CARREON CASTRO ROUSTAM ALIEV SOFIA GUILLERMINA BURILLO AMEZCUA et al.	JOURNAL FOR THE STUDY OF EDUCATION AND DEVELOPMENT	1999
120	Study on the interaction of diarylbutadiynes with free radicals: Interaction with propagating radicals of some vinyl monomers	FERNANDO BERISTAIN EMILIO BUCIO CARRILLO SOFIA GUILLERMINA BURILLO AMEZCUA et al.	JOURNAL FOR THE STUDY OF EDUCATION AND DEVELOPMENT	1999

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121	Theoretical study of the interaction between phenyl diacetylenes and the solvent for the formation of Langmuir-Blodgett films	ROBERTO RENE SALCEDO PINTOS MARIA DEL PILAR CARREON CASTRO SOFIA GUILLERMINA BURILLO AMEZCUA et al.	JOURNAL OF MOLECULAR STRUCTURE-THE OCHEM	1998
122	Langmuir-Blodgett membranes of 13-aryltrideca-10,12-dienoic acids	MARIA DEL PILAR CARREON CASTRO SOFIA GUILLERMINA BURILLO AMEZCUA LIUDMILA FOMINA et al.	POLYMER JOURNAL	1998
123	Radiation grafting of dimethylaminoethylmethacrylate onto poly(propylene)	SOFIA GUILLERMINA BURILLO AMEZCUA Bucio E. Aliev R.	RADIATION PHYSICS AND CHEMISTRY	1998
124	Crosslinking of recycled polyethylene by gamma and electron beam irradiation	ESBAIDE ADEM CHAHIN MIGUEL AVALOS BORJA MARIA DEL PILAR CARREON CASTRO et al.	RADIATION PHYSICS AND CHEMISTRY	1998
125	Radiation-induced crosslinking of polyvinyltrimethylsilane in the presence of ethylene glycol dimethacrylate and allyl methacrylate	ROUSTAM ALIEV SOFIA GUILLERMINA BURILLO AMEZCUA Starannikova L. et al.	RADIATION PHYSICS AND CHEMISTRY	1998
126	Langmuir-blodgett membranes of m-alca-1,3-diynylbenzoic acids	SOFIA GUILLERMINA BURILLO AMEZCUA TAKESHI OGAWA MURATA Del Pilar Carreón M. et al.	POLYMER JOURNAL	1997
127	Radicals of diphenylbutadiynes and their interactions with diphenylpicrylhydrazyl. A suggestion for the nontopochemical polymerization mechanism of diacetylene	SOFIA GUILLERMINA BURILLO AMEZCUA JOSE LUIS BOLDU OLAIZOLA EDUARDO ADALBERTO MUÑOZ PICONE et al.	POLYMER JOURNAL	1997
128	Radiation grafting of dimethylaminopropylacrylamide and dimethylaminopropylmethacrylamide onto polyethylene	SOFIA GUILLERMINA BURILLO AMEZCUA LUIS FELIPE DEL CASTILLO DAVILA Oseguera M.A. et al.	RADIATION PHYSICS AND CHEMISTRY	1997
129	Synthesis and radiation polymerization of 1-benzoate-2,3- diallylcarbonate glycerol	SOFIA GUILLERMINA BURILLO AMEZCUA López D. Plata P. et al.	RADIATION PHYSICS AND CHEMISTRY	1997
130	Grafting of side chain liquid crystal monomers onto polyethylene film	SOFIA GUILLERMINA BURILLO AMEZCUA TAKESHI OGAWA MURATA Mendoza R. et al.	JOURNAL FOR THE STUDY OF EDUCATION AND DEVELOPMENT	1997
131	Radiation-grafting of N,N-dimethylaminoethylmetacrylate onto polyethylene film by preirradiation method	EMILIO BUCIO CARRILLO SOFIA GUILLERMINA BURILLO AMEZCUA	JOURNAL FOR THE STUDY OF EDUCATION AND DEVELOPMENT	1997

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132	Gamma-ray induced crosslinking of polynorbornene and its copolymer containing a stabilizing group	EMILIO BUCIO CARRILLO SOFIA GUILLERMINA BURILLO AMEZCUA EDMUNDO MIRANDA CAMPOS et al.	JOURNAL FOR THE STUDY OF EDUCATION AND DEVELOPMENT	1996
133	Thermal crosslinking of poly(methyl methacrylate-co-N,N-dimethylaminopropylacrylamide)	SOFIA GUILLERMINA BURILLO AMEZCUA TAKESHI OGAWA MURATA Vázquez C. et al.	JOURNAL FOR THE STUDY OF EDUCATION AND DEVELOPMENT	1996
134	Effect of thermal treatment and radiation on (N,N-dimethylaminopropyl) acrylamide copolymers in the solid state	SOFIA GUILLERMINA BURILLO AMEZCUA López D. Plata P.	RADIATION PHYSICS AND CHEMISTRY	1996
135	Radiation crosslinking of highly plasticized PVC	SOFIA GUILLERMINA BURILLO AMEZCUA Mendizabal E. Cruz L. et al.	RADIATION PHYSICS AND CHEMISTRY	1996
136	Effect of irradiation dose, storage time and temperature on the ESR signal in irradiated oat, corn and wheat	HECTOR OCTAVIO MURRIETA SANCHEZ SOFIA GUILLERMINA BURILLO AMEZCUA Muñoz P.E. et al.	APPLIED RADIATION AND ISOTOPES	1996
137	Radiation-grafting of 2-bromoethylacrylate onto polyethylene film by preirradiation method	EMILIO BUCIO CARRILLO SOFIA GUILLERMINA BURILLO AMEZCUA	RADIATION PHYSICS AND CHEMISTRY	1996
138	New crosslinking agent for vinyl polymers I. PVC	SOFIA GUILLERMINA BURILLO AMEZCUA TAKESHI OGAWA MURATA LUIS FELIPE DEL CASTILLO DAVILA et al.	RADIATION PHYSICS AND CHEMISTRY	1995
139	Promoting polyethylene foams by irradiation crosslinking in Mexico	ESBAIDE ADEM CHAHIN SOFIA GUILLERMINA BURILLO AMEZCUA Dakin V. et al.	RADIATION PHYSICS AND CHEMISTRY	1995
140	Photocrosslinking of dimethylaminopropylacrylamide copolymer	SOFIA GUILLERMINA BURILLO AMEZCUA Lopez D. Plata P.	RADIATION PHYSICS AND CHEMISTRY	1995
141	Crosslinking of polyol(allylcarbonates) by gamma radiation	SOFIA GUILLERMINA BURILLO AMEZCUA V. D.L. Esparza R.	RADIATION PHYSICS AND CHEMISTRY	1995
142	Studies on salts of amine-containing polymers with benzoic acids - II. Poly(N,N'-dimethylaminoethylmethacrylate) with alcoxybenzylideneaminobenzoic acids	AURELIA MARIA LETICIA BAÑOS LOPEZ ABEL MORENO CARCAMO SOFIA GUILLERMINA BURILLO AMEZCUA et al.	JOURNAL FOR THE STUDY OF EDUCATION AND DEVELOPMENT	1995
143	Studies on the memory effect in polyethylene	SOFIA GUILLERMINA BURILLO AMEZCUA López M.A. Charlesby A.	RADIATION PHYSICS AND CHEMISTRY	1994

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144	ESR studies of irradiated ground corn as a dosimeter	ESBAIDE ADEM CHAHIN SOFIA GUILLERMINA BURILLO AMEZCUA Muñoz P. E. et al.	RADIATION PHYSICS AND CHEMISTRY	1994
145	Comparison of irradiation effects of electrons and gamma rays on PVC samples	LEONEL SUSANO COTA ARAIZA ESBAIDE ADEM CHAHIN SOFIA GUILLERMINA BURILLO AMEZCUA et al.	RADIATION PHYSICS AND CHEMISTRY	1994
146	The interaction of poly(methacrylate) radicals with diphenyldiacetylenes	SOFIA GUILLERMINA BURILLO AMEZCUA EDUARDO ADALBERTO MUÑOZ PICONE ROBERTO JOSE RAUL GLEASON VILLAGRAN et al.	JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY	1994
147	Microcrystalline particles formed in highly irradiated PVC	ESBAIDE ADEM CHAHIN LEONEL SUSANO COTA ARAIZA SOFIA GUILLERMINA BURILLO AMEZCUA et al.	JOURNAL OF PHYSICS-COND ENSED MATTER	1993
148	Diacetylene containing polymers - I. Poly(m,m'-butadiynylene dibenzylterephthalate)	SOFIA GUILLERMINA BURILLO AMEZCUA TAKESHI OGAWA MURATA Pérez J. et al.	JOURNAL FOR THE STUDY OF EDUCATION AND DEVELOPMENT	1992
149	Diacetylene-containing polymers, II. Polyesters and polyurethanes containing m,m'-butadiynylenedibenzyl groups	MIRNA ROSA ESTRADA YAÑEZ SOFIA GUILLERMINA BURILLO AMEZCUA TAKESHI OGAWA MURATA	POLYMERS FOR ADVANCED TECHNOLOGIES	1992
150	Characterization of highly irradiated poly(vinyl chloride)	ESBAIDE ADEM CHAHIN LEONEL SUSANO COTA ARAIZA SOFIA GUILLERMINA BURILLO AMEZCUA et al.	International Journal Of Radiation Applications And Instrumentatio n. Part	1992
151	Electron paramagnetic resonance studies of gamma-irradiated PVC at high pressure	SOFIA GUILLERMINA BURILLO AMEZCUA EDUARDO ADALBERTO MUÑOZ PICONE ROBERTO JOSE RAUL GLEASON VILLAGRAN et al.	International Journal Of Radiation Applications And Instrumentatio n. Part	1992
152	Characterization of highly irradiated poly(vinyl chloride)	ESBAIDE ADEM CHAHIN LEONEL SUSANO COTA ARAIZA SOFIA GUILLERMINA BURILLO AMEZCUA et al.	Radiation Physics And Chemistry	1992

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153	Studies on diacetylenic vinyl compounds. VI. ESR studies on the polymerization of diacetylene containing acrylate and methacrylates	SOFIA GUILLERMINA BURILLO AMEZCUA TAKESHI OGAWA MURATA Hwang Jimmy S.	JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY	1992
154	Electron paramagnetic resonance studies of gamma-irradiated PVC at high pressure	SOFIA GUILLERMINA BURILLO AMEZCUA EDUARDO ADALBERTO MUÑOZ PICONE ROBERTO JOSE RAUL GLEASON VILLAGRAN et al.	Radiation Physics And Chemistry	1992
155	The effects of external pressure on the radiation-induced reactions of polyvinyl chloride	SOFIA GUILLERMINA BURILLO AMEZCUA ESBAIDE ADEM CHAHIN TAKESHI OGAWA MURATA	Radiation Physics And Chemistry	1990
156	Effect of hydrogen atmosphere on the cross-linking of vinyl polymers	SOFIA GUILLERMINA BURILLO AMEZCUA MARIA DEL PILAR CARREON CASTRO Charlesby A.	Radiation Physics And Chemistry	1990
157	'Gamma-ray irradiation on polystyrene in the presence of crosslinking agents'	SOFIA GUILLERMINA BURILLO AMEZCUA Lopez V Delia	American Chemical Society, Polymer Preprints, Division Of Polymer Chemistry	1990
158	Synthesis and polymerization of polar nonsymmetric diacetylenes	SOFIA GUILLERMINA BURILLO AMEZCUA TAKESHI OGAWA MURATA Torres S.	Journal Of Applied Polymer Science: Applied Polymer Symposium	1990
159	Effect of hydrogen atmosphere on the cross-linking of vinyl polymers	SOFIA GUILLERMINA BURILLO AMEZCUA MARIA DEL PILAR CARREON CASTRO Charlesby A.	International Journal Of Radiation Applications And Instrumentation. Part	1990

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160	The effects of external pressure on the radiation-induced reactions of polyvinyl chloride	SOFIA GUILLERMINA BURILLO AMEZCUA ESBAIDE ADEM CHAHIN TAKESHI OGAWA MURATA	International Journal Of Radiation Applications And Instrumentation. Part	1990
161	The effect of external pressure on the gamma-ray induced crosslinking of polyvinylalcohol	SOFIA GUILLERMINA BURILLO AMEZCUA TAKESHI OGAWA MURATA Canizal G.	International Journal Of Radiation Applications And Instrumentation. Part	1989
162	Polymerization of diphenyloctatetrayne in solid state	TAKESHI OGAWA MURATA SOFIA GUILLERMINA BURILLO AMEZCUA Sotelo Merida et al.	Journal Of Polymer Science, Part C: Polymer Letters	1989
163	Studies on diacetylenic vinyl compounds - III. The solid state polymerization of phenyl-4'-vinylphenylbutadiyne	SOFIA GUILLERMINA BURILLO AMEZCUA TAKESHI OGAWA MURATA Aguirre M.E.	JOURNAL FOR THE STUDY OF EDUCATION AND DEVELOPMENT	1989
164	Effect of external pressure on the gamma-ray induced crosslinking of polyvinylalcohol	SOFIA GUILLERMINA BURILLO AMEZCUA TAKESHI OGAWA MURATA Canizal Gerardo	RADIATION PHYSICS AND CHEMISTRY	1989
165	Studies on diacetylenic vinyl compounds - IV. Copolymerization of phenyl-4'-vinylphenylbutadiyne with maleic anhydride	SOFIA GUILLERMINA BURILLO AMEZCUA TAKESHI OGAWA MURATA Soto H.	JOURNAL FOR THE STUDY OF EDUCATION AND DEVELOPMENT	1989
166	Greffage radiochimique de la N-vinylpyrrolidone dans des films de polytetrafluoroéthylène	SOFIA GUILLERMINA BURILLO AMEZCUA Chapiro A.	EUROPEAN POLYMER JOURNAL	1986
167	Studies on diacetylenic vinyl compounds - I. Phenyl-4'-vinylphenyl butadiyne	SOFIA GUILLERMINA BURILLO AMEZCUA TAKESHI OGAWA MURATA	JOURNAL FOR THE STUDY OF EDUCATION AND DEVELOPMENT	1986
168	Effect of pressure on the radiation-induced cross-linking of some vinyl polymers	SOFIA GUILLERMINA BURILLO AMEZCUA TAKESHI OGAWA MURATA	Radiation Physics And Chemistry	1985

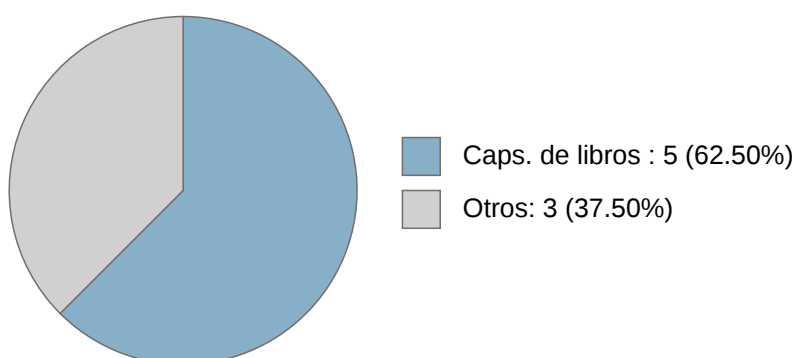
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169	Sur les causes de l'auto-accélération dans la polymérisation de l'acrylonitrile en masse et en solution	SOFIA GUILLERMINA BURILLO AMEZCUA Chapiro A. Mankowski Z.	EUROPEAN POLYMER JOURNAL	1984
170	GAMMA RAY-INDUCED CROSSLINKING OF POLYACRYLAMIDE IN THE SOLID STATE.	SOFIA GUILLERMINA BURILLO AMEZCUA TAKESHI OGAWA MURATA	Journal Of Polymer Science. Part B, Polymer Letters	1983
171	Solvent effects on the heterogeneous radical polymerization of acrylonitrile	SOFIA GUILLERMINA BURILLO AMEZCUA TAKESHI OGAWA MURATA Herrera T.E.	JOURNAL FOR THE STUDY OF EDUCATION AND DEVELOPMENT	1982
172	Free radical polymerization of acrylonitrile in dimethylsulphoxide solutions	SOFIA GUILLERMINA BURILLO AMEZCUA Chapiro A. Mankowski Z.	EUROPEAN POLYMER JOURNAL	1982
173	Obtention of hydrogels for use as water retainers in soil by gamma irradiation	SOFIA GUILLERMINA BURILLO AMEZCUA TAKESHI OGAWA MURATA	Radiation Physics And Chemistry	1981
174	KINETIC EVIDENCE OF A ?MATRIX EFFECT? IN THE BULK POLYMERIZATION OF ACRYLONITRILE.	SOFIA GUILLERMINA BURILLO AMEZCUA Chapiro A. Mankowski Z.	J Polym Sci Polym Chem Ed	1980
175	Degradation of dodecyl benzensulfonate by gamma irradiation in detergent solutions	SOFIA GUILLERMINA BURILLO AMEZCUA Bustos E.	Radiation Physics And Chemistry	1979

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LIBROS Y CAPITULOS CON ISBN

Obras con registro ISBN



#	Título	Autores	Alcance	Año	ISBN
1	THE SYNTHESIS AND THE APPLICATIONS OF IPNs BASED ON SMART POLYMERS	SOFIA GUILLERMINA BURILLO AMEZCUA EMILIO BUCIO CARRILLO Lorena García-Uriostegui et al.	Article	2016	9781119138952
2	The synthesis and Applications of IPNs based on Smart Polymers	SOFIA GUILLERMINA BURILLO AMEZCUA EMILIO BUCIO CARRILLO	Capítulo de un Libro	2016	9781118138175
3	Aplicaciones de radiación gamma y UV para el injerto molecular y el diseño de matrices para aplicaciones terapéuticas	SOFIA GUILLERMINA BURILLO AMEZCUA EMILIO BUCIO CARRILLO	Capítulo de un Libro	2015	9789892608808
4	Radiación gamma para el diseño de sistemas inteligentes en liberación controlada de fármacos e ingeniería de tejidos	SOFIA GUILLERMINA BURILLO AMEZCUA EMILIO BUCIO CARRILLO	Capítulo de un Libro	2015	9789892608808
5	Gamma and UV radiation for molecular grafting and design of matrices for therapeutic purposes	SOFIA GUILLERMINA BURILLO AMEZCUA EMILIO BUCIO CARRILLO Melendez Ortiz, Hector I.	Article	2015	9789892608815
6	Gamma Ray radiation in the design of smart systems for controlled drug release and tissue engineering	Franklin Munoz Munoz SOFIA GUILLERMINA BURILLO AMEZCUA EMILIO BUCIO CARRILLO et al.	Article	2015	9789892608815



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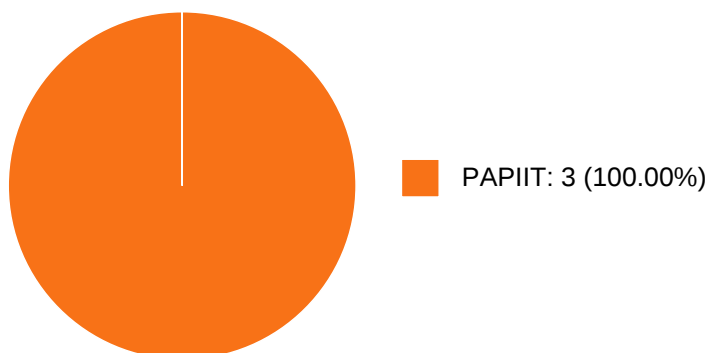
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7	Polymeric nano-, micellar and core-shell materials: synthesis, characterization and properties	SOFIA GUILLERMINA BURILLO AMEZCUA EMILIO BUCIO CARRILLO	Capítulo de un Libro	2012	9780470938799
8	Polymeric Nano-, Micellar and Core-shell Materials	SOFIA GUILLERMINA BURILLO AMEZCUA EMILIO BUCIO CARRILLO Contreras-García A.	Capítulo de un Libro	2012	9780470938799

SOFIA GUILLERMINA BURILLO AMEZCUA

PARTICIPACIÓN EN PROYECTOS

Histórico de participación en proyectos



#	Nombre	Participantes	Fuente	Fecha inicio	Fecha fin
1	Modificación de superficies poliméricas mediante radiación ionizante para cultivo celular	SOFIA GUILLERMINA BURILLO AMEZCUA	Recursos PAPIIT	01-01-2016	31-12-2018
2	Síntesis y caracterización de nuevos sistemas de hidrogeles mediante radiación ionizante, para aplicaciones biomédicas.	SOFIA GUILLERMINA BURILLO AMEZCUA	Recursos PAPIIT	01-01-2019	31-12-2021
3	Síntesis y caracterización de nuevos sistemas poliméricos antibacterianos, mediante radiación gamma	SOFIA GUILLERMINA BURILLO AMEZCUA	Recursos PAPIIT	01-01-2022	31-12-2024



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PARTICIPACIÓN EN TESIS

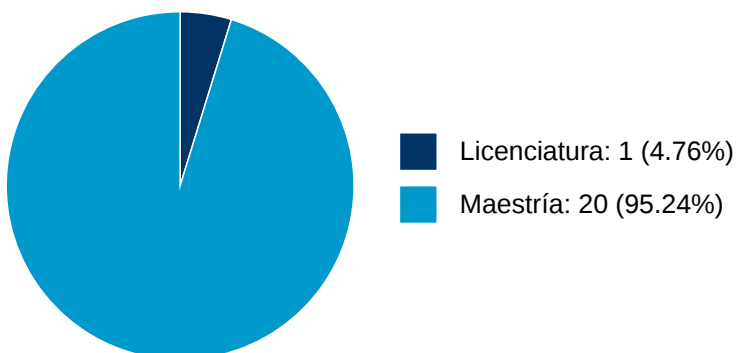
No se encuentran registros en la base de datos de TESIUNAM asociados a:

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DOCENCIA IMPARTIDA

Histórico de docencia



#	Nivel titulación	Asignatura	Entidad	Alumnos	Semestre
1	Maestría	TEMA SELECTO QUIMICA DE RADIACIONES EN MACROMOLECULAS	Facultad de Química	1	2019-2
2	Maestría	TRABAJO DE INVESTIGACION	Facultad de Química	1	2018-1
3	Maestría	TRABAJO DE INVESTIGACIÓN	Facultad de Química	1	2017-2
4	Maestría	TEMA SELECTO-324442	Facultad de Química	1	2017-1
5	Maestría	TRABAJO DE INVESTIGACION-395567	Facultad de Química	1	2017-1
6	Maestría	TRABAJO DE INVESTIGACION-395580	Facultad de Química	1	2017-1
7	Maestría	TRABAJO DE INVESTIGACION	Facultad de Química	1	2016-2
8	Maestría	TRABAJO DE INVESTIGACION	Facultad de Química	1	2016-2
9	Maestría	TRABAJO DE INVESTIGACION	Facultad de Química	1	2016-1
10	Maestría	TRABAJO DE INVESTIGACION	Facultad de Química	1	2015-2
11	Maestría	TRABAJO DE INVESTIGACION	Facultad de Química	1	2015-2
12	Maestría	TRABAJO DE INVESTIGACION	Facultad de Química	1	2015-1
13	Maestría	TRABAJO DE INVESTIGACION	Facultad de Química	1	2015-1
14	Maestría	TEMA SELECTO	Facultad de Química	2	2015-1
15	Maestría	TEMAS SELECTOS DE POLIMEROS	Instituto de Investigaciones en Materiales	1	2015-1
16	Maestría	TRABAJO DE INVESTIGACION	Facultad de Química	1	2014-2
17	Maestría	TRABAJO DE INVESTIGACION	Facultad de Química	1	2014-1
18	Maestría	TEMA SELECTO	Facultad de Química	1	2014-1
19	Licenciatura	RECURSOS NATURALES	Facultad de Química	1	2009-2
20	Maestría	TEMAS SELECTOS	Facultad de Química	5	2009-2



Sistema Integral de Información Académica
Coordinación de Planeación, Evaluación y
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Reporte individual



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21	Maestría	TEMAS SELECTOS DE POLIMEROS (OPTATIVA)	Instituto de Investigaciones en Materiales	3	2008-2
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Coordinación de Planeación, Evaluación y
Simplificación de la Gestión Institucional
Reporte individual



SOFIA GUILLERMINA BURILLO AMEZCUA

PATENTES

No se encuentran registros en la base de datos de patentes asociados a:

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FUENTES DE INFORMACIÓN

Internos

#	Información	Fuente	Sistema	Periodo
1	Grupos ordinarios y resumen de historias académicas	DGAE	SIAE	2008-2025
2	Nombramientos, datos generales, estímulos, premios y reconocimientos	DGAPA	RUPA	2008-2025
3	Producción Académica	CH	Humanindex	2008-2021
4	Producción Académica	CIC	SCIC	2000-2017
5	Proyectos	DGPO	SISEPRO	2018-2022
6	Tesis	DGB	TESIUNAM	2008-2025
7	Tutorías en Posgrado	CGEP	SIIPosgrado	2008-2021

Externos

#	Información	Fuente	Sistema	Periodo
8	Documentos Indexados	Elsevier	Scopus	2008-2025
9	Documentos Indexados	Thomson Reuters	WoS	2008-2025
10	Obras con registro ISBN	INDAUTOR	Agencia ISBN	2008-2025
11	Patentes	IMPI	SIGA	2008-2024