

POSTER	FIRST	LAST	TITLE
8 B	Ahmed	Ahmed	Motion artifact removal from photoplethysmographic signals
86 A	Alice	Alayon	The properties of room temperature ionic liquids and water confined inside microporous carbon
87 B	Edgar	Aldama	Magnetic graphene oxide coupled with ZIF-67 as efficient adsorbents of water pollutants
88 A	Laila	Alsaihati	Synthesis and characterization of protein-carrying nanoparticles for the treatment of cancer
89 A	Guadalupe	Alvarez	Estimating groundwater discharge into the ocean in the Yucatán Peninsula
90 B	Huiwen	An	A short and efficient synthesis of a photoreactive amino acid
9 A	Enrique	Anguiano Chavez	Collision-avoidance system for unmanned aerial vehicles for aircraft damage inspection
32 B	Rachael	Apodaca	Desiccation and pigmentation effects on mortality in a model organism when exposed to UVR
33 A	Miguel	Arenivar	Exposure to fluoxetine induces long-lasting changes in sensitivity to the rewarding properties of cocaine in female c57bl/6 mice
137 B	Francisco	Arriaga	Grit: The academic resilience
91 A	Eduardo	Arzabala	Concentration and solvent effects on the solution-state structure of asphaltenes
3 A	Jaime	Avendano	Frobenius matrix norm of product of symmetric toeplitz matrices
92 B	Miguel	Baeza Cinco	Synthesis of titanium complexes supported by Imidazolin-2-Iminato ligands
95 B	Isabel	Barraza	Water-soluble cobalt (II) porphyrin supported on zirconium phosphate as a highly efficient electrocatalyst for hydrogen generation from water
123 B	Elizabeth	Barrera	Inhibition, Health Metrics, and Change in Brain Oxygenated Hemoglobin during Incremental Exercise.
34 B	Nina	Beltran	The effects of intermittent dietary supplementation with fish oil on high fat diet-induced enhanced sensitivity to quinpirole
35 A	Olivia	Calderon	Genetic variation and population structure of a Chagas Disease vector Triatoma rubida along the Western Mexico-Texas Border
10 B	Isabel	Cano	Language sample measures in bilingual preschool children
36 B	Denise	Cano	Identification of Akt1 inhibitors for the treatment of colorectal cancer
37 A	Miguel	Carrillo-Alvarado	Development of mesoporous silica nanoparticles for anti-cancer platinum drug delivery
93 A	Carmen	Chavez	Three dimensional printed nanoparticle-templated porous nanomaterials for water treatment

94	B	Yuwei	Chen	Dynamic porous nanomaterials from 3-D Printed 6-(benzyloxy) hexa-2,4-diy-1-ol nanocomposites for the removal of heavy metals from water
95	A	Tong	Chu	Water-soluble cobalt (II) porphyrin supported on zirconium phosphate as a highly efficient electrocatalyst for hydrogen generation from water
38	B	Alexis	Cohen	Early life stress may cause life-long changes in brain reward structures and vulnerability to addiction in female rats
39	A	Stephen	Collins	Antioxidants may be a protectant against Parkinson's disease as evidenced by the sticky dot test
40	B	Karen	Corral	Antioxidants may be used as a prophylactic against Parkinson's disease through Cylinder Test evidence.
11	A	Derek	Cranford	The Effects of Increased HVAC Usage
41	A	Catalina	De La Pena	The effects of a high hat diet and physical activity on mitochondria, PLIN3, and PLIN5 protein contents in humans
96	A	Erika	De Santiago	Detergent free protein purification for M. tuberculosis
42	B	Nataly	Delgado	Neural mechanism underlying ethanol sensitivity and tolerance
43	A	Julieta	Diaz Erives	Genetic factors influencing inhibitory control in Drosophila
124	A	Sandra	Dominguez	Affiliation between Responsible Beverage Service training and intoxicated patrons behind the wheel in regions with predominantly Hispanic populations
44	B	Zayra	Dorado	Laser cutter engraving for fabrication of dissolvable microneedle for drug delivery
45	A	Esmeralda	Duenez	Anas platyrhynchos diazi (Mexican Duck) nest surveys
4	B	Jerry	Duran Jr.	HITHMM Homolog Identification Tool using Hidden Markov Modeling
46	B	Sarah	Ebert	Season and sex-specific variation in movement patterns by Western Diamond-backed Rattlesnakes (Crotalus atrox)
97	B	Alma	Escobosa	Organic, biodegradable, high surface area, free of petrochemicals active material for water filters
125	B	David	Esparza	Characterization of students' experimental design approaches in traditional laboratories versus Course-based Undergraduate Research Experiences
98	A	Roger	Ezri	Exploring the biological properties of Datura stramonium
47	A	Dorian	Fernandez	Effects of dietary fatty acid composition, in a high fat diet, on PLIN3 content
12	B	Aleli	Fernandez	Mucoadhesive chitosan nanoparticles for improved precorneal retention and corneal permeability of tobramycin
48	B	Grace	Flores-Robles	The effects of lorcaserin on high fat diet-induced enhanced sensitivity to quinpirole
13	A	Miguel	Fraga	Small-scale solar-powered point-of-use reverse osmosis desalination of brackish water

19	B	Roberto	Garcia	Hyperspectral remote sensing image analysis using MATLAB
49	A	Mario	Garcia	Replacing saturated with monounsaturated fatty acids, in a high fat diet, protects against impaired skeletal muscle glucose transport.
50	B	Mario	Garcia	Replacing saturated with monounsaturated fatty acids, in a high fat diet, protects against impaired skeletal muscle glucose transport.
99	B	Jesus	Garcia	Crystallization of the phi-EL chaperonin in the APO conformation
100	A	Prescilla	Garcia-Trevizo	Phytoremediation of toxic metals using Texas Bermuda grass in El Paso, Texas
14	B	Steven	Garibay	Manufacturing and materials for creating a multi-sensor liner
101	B	Amairani	Giner	Estimation of the number of discoveries in multiple tests at low sample numbers
51	A	Jose	Gomez	Multidrug resistant bacteria isolated from the Rio Grande River
52	A	Adrian	Gonzalez	The effects of eating a high fat diet on sensitivity to the behavioral effects of dopamine D1 receptor agonist SKF 82958 and methamphetamine
102	A	Maria	Grajeda	Electrocatalytic hydrogen gas evolution by an iron porphyrin-based organic polymer
53	B	Ruta	Grinceviciute	The effects of alcohol on social behavior
15	A	Joseph	Gutierrez	Robust optimization of dynamic systems
103	B	Joscelyne	Guzman-Gonzales	A novel maximum likelihood estimator for survival analysis
16	B	Aubrey	Hands	The effects of cryopreservation and lyophilization on the viability of spray-on-cells
17	A	Jiaqi	He	Social media application in health care supply chain management
54	A	Grace	Hendricks	Sex differences and the role of ovarian hormones in the expression of nicotine withdrawal in rats
55	B	Juan	Hernandez	Large-Scale Production of Therapeutic Monoclonal Antibodies against Co-Inhibitory Immune Receptors PD-1 and BTLA
56	A	Samantha	Hinojos	The role of serotonin in movement inhibition
57	B	Jennifer	Holguin	Soil, and belowground productivity response to a five year extreme chronic drought and shifted monsoon experiment in an arid grassland ecosystem
58	A	Zongyu	Huang	Evaluation of anti-tuberculosis and cytotoxic activity of ursolic acid and osthole with Mycobacterium marinum and in vitro cell infection models
18	B	Jeffrey	Johnson	Fabrication of BaTiO ₃ /MWCNT/PVDF composites for sensor and energy storage application via fused deposition modeling and electric in-situ poling
19	A	Justin	Johnson	Hyperspectral remote sensing image analysis using MATLAB

104	A	Delgado	Jose	Electron spin resonance studies of Mn doped CH ₃ NH ₃ PbI ₃ crystals
105	B	Quentin	Kim	Curcumin C60 fullerene derivatives as electron transporting materials in inverted perovskite solar cells
106	A	Allison	Koopman	Addition of Nitrogen During Arcing and its Effect on the Production of Uranium Metallofullerenes
126	A	Heber	Lara	Is health coverage a predicament to HPV vaccination adherence in the young adult male population
59	B	Diyang	Li	Expression and purification of human Neuronal PAS domain protein 2 (hNPAS2) for structural studies
60	A	Linlin	Li	Environmental factors affecting fly inhibitory control
61	B	Yan	Liu	Octopamine regulates movement suppression in flies
107	B	Jeremiah	Lopez	Surface spectroscopic analysis of the Maya Blue pigment
127	B	Josue	Lopez	News media role in the impeachment of South Korean President Park Geun Hye
62	A	Cicilia	Lovato	The effects and the correlation of Francisella Tularensis infection amongst alcoholic humans, nonalcoholic humans, alcoholic rats and mice.
63	B	Javier	Lozano	Water potential variations in dryland shrubs before and after a rainfall event
1	A	Maria	Lozano	Music Production Audio CD
26	B	Victor	Madrid	The benefits and complications of using molten salt as a working fluid for a concentrated solar power tower system
64	A	Mary Ann	Martinez	Abstract Falls in Men
88	B	Sarah	McKinney	Synthesis and characterization of protein-carrying nanoparticles for the treatment of cancer
128	A	Gabrielle	Mendoza	Health policy: A comprehensive study to understand the millennial perspective on the future of health care
65	B	Charles	Mettler	Root, fungal, and microbial biomass spatial distribution in the fungal loop hypothesis
20	A	Daniela	Mora	Laboratory Validation of Wireless Sensors for Structural Health Monitoring
21	B	Bryan	Morales Justiniano	Oxy-combustion: Clean and efficient use of coal and fossil energy
66	A	Brenda	Moreno	Purification of GST-SAE1/SAE2 for GAM1 interaction studies
129	B	Katia	Ochoa	Bilingual workbook for General Chemistry I
130	A	Raymond	Oliva	Are perceptions and social norms linked to knowledge of HPV and HPV vaccine adherence in the male population?

67	B	Lydia	Ornelas	Less is more: Nutrient enrichment of small arctic aquatic ecosystems
131	B	Leslie	Ornelas	Tracking changes in attention with the eyes
22	A	Jordan	Orozco	Speech recognition and listening effort in bilingualsâ€™ L1 and L2
68	A	Anna	Orta	Structural significance of the R136W point mutation in Hsp27 that leads to neurodegenerative disease
136	A	Jessica	Ortiz	Mujeres Sin Fronteras provide borderland â€œtestimoniosâ€ of women of color whose struggles posture the fight for social justice
69	B	Magdalen	Paredes	Improving El Paso area land conservation and public education
70	A	Jeremiah	Paul	Differential expression of glycine receptors in the globus pallidus, thalamus and striatum
71	B	Guadalupe	Pena Contreras	A viral vector approach to understanding the roles of estrogen receptors in behavior
108	A	Xiaohui	Peng	Dynamic Porous Nanomaterials from 3-D Printed 6-(benzyloxy) hexa-2,4-diy-1-ol Nanocomposites for the Removal of Heavy Metals from Water
23	B	Norma	Perea	Summary of effort at UTEP in the Consortium for integrating energy systems in engineering and science education
5	A	Jose	Perez	Towards automatic registration of histological data to canonical brain atlases
24	A	Paul	Perez	Power generation using oxy-fuel based magnetohydrodynamics
25	B	Leanna	Peru	Phonological awareness training on the decoding abilities of children with Down Syndrome
72	A	Akshita	Pillai	Sex differences in ghrelin receptor expression in the hypothalamus of maternally separated adult rats
132	A	Nathalie	Prieto	Obesity a target for bullying among children
109	B	Daniel	Puentes	Automation of a high precision stage for X-Ray Grazing Incidence Small-Angle Scattering (GI-SAXS) and Reflectivity (XR) studies
73	B	Kumail	Rizvi	Localized migration of T-Cell Acute Lymphoblastic Leukemia into the Central Nervous System
6	B	Monica	Robles	Structure of West Nile antibodies in a silica matrix in the presence of carbon black
26	A	Arturo	Rodriguez	The benefits and complications of using molten salt as a working fluid for a concentrated solar power tower system
110	A	Christina	Rodriguez	Conservation and sustainability education in the Chihuahuan Desert
111	B	Crystal	Rodriguez	HSA solution-state protein structure: Native conformations, and temperature-induced aggregation using small-angle X-ray scattering
74	A	Orlena	Roe	Phytochemical Radical Scavengers to Decrease Amyloid- β^2 Induction of Lewy Bodies

75	B	Clarissa	Rosa	Techniques and Methods in Neuroscience Research
112	A	Jose	Rosales	Inorganic biochemical aspect on amyloid-beta peptides
133	B	Ricardo	Rubio	Effects of food insecurity on economically-disadvantaged American elementary schoolchildren's academic competencies
113	B	Ricardo	Saenz-Arana	High capacity absorbent for the removal of chromium from water
51	B	Daniella	Sahagun	Multidrug resistant bacteria isolated from the Rio Grande River
114	A	Chris	Saiz	Unexpected Signals from the Glass Substrates used in CH ₃ NH ₃ PbI ₃ Solar Cell Thin Film Devices: An Electron Spin Resonance Investigation
76	A	Matthew	Salyer	Food availability and waterfowl behavior in Chihuahuan Desert wetlands
77	B	David	Sanchez	Psychological stress induces depression-related outcomes in female C57BL/6 mice
78	A	Luisa	Sanchez	Long-term effect of alcohol exposure/withdrawal in neuronal differentiation and morphology of PC12 cells
79	B	Julieta	Saucedo	Using GIS to understand the effect of bathymetry on vegetation coverage at a created desert wetland
80	A	Jason	Small	Nicotine effect on alcohol-induced alterations of the G α -Microtubule dependent signaling pathway
115	B	Paola	Soto-Montero	Comprehending the water quality and water level changes trough time in the Mesilla Bolson Aquifer at El Paso County
81	B	Matthew	Storey	NKT cell-controlled reduction of inflammation due to the regulation of Cytokine
82	A	Wanyu	Tao	Evaluate anti-micobacterial and cytotoxic activity of stemona extract using high-content screening
116	A	Casey	Tarrab	Synthesis and characterization of N-heterocyclic olefin ligated early transition metal coordination complexes
134	A	Jacqueline	Triana	The role of family perceptions and religion on HPV vaccines acceptability
135	B	Sahaly	Valadez	Secondary analysis of psychological measures to help characterize cumulative stress from common measures of stress
117	B	Andrea	Valdez-Rivas	XRF and XPS Analysis of Columbite-Tantalite (COLTAN)
27	A	Jade	Vigil	Nanotechnology based solution to enhance solubility and antibacterial activity of silver-furosemide complex
83	B	Ernesto	Villanueva	Does sleep disruption affect ethanol-induced locomotor activity in Drosophila?
28	B	Derrick	Voight	UFP and VOC gradient profile across a central El Paso, Texas community near Interstate 10 Highway
118	A	Daniel	Von Salzen	Crystallization of ADP and ATP bound Phi-EL Chaperonin for X-Ray Crystallography

2	B	Jade	Williams	Negritude for beginners: A comparative analysis of museological public memory and coming of age narratives within the African American literary sphere
29	A	Jiamin	Wu	Social media application in smartphone supply chain management
84	A	Dongman	Xi	Expression and purification of Human Brain and Muscle Arnt-like 1 protein (hBMAL1)
119	B	Tianqi	Xiang	Method development of urinary volatile organic compounds detection for prostate cancer diagnosis
120	A	Helei	Xiong	New chemiluminescence method coupled with Loop-mediated isothermal Amplification (LAMP) for portable and sensitive DNA detection
121	B	Tingyuan	Yang	Synthesis and characterization of variable chain-length fullerene derivatives for perovskite solar cells
30	B	Cody	Yazzie	Development of a user-friendly mobile app for PPG-based heart rate monitoring devices
7	A	Miguel	Zamudio Arias	Predicting Epileptic Seizures using Deep Learning
85	B	Max	Zaret	Effects of shrub removal on soil carbon during grassland restoration in New Mexico
31	A	Fabian	Zayas	Pyroelectric energy harvesting for high temperature applications
122	A	Jiaxin	Zhuang	Synthesis and Purification of Uranium-based Clusterfullerenes