

## Table of Contents

<b>Examining Study Abroad Participation in I-Promise Students: Preliminary Study on Why Minority Students Don't Study Abroad</b> Jennifer Aguayo	12
<b>Effects of Bile Acids on Adipogenesis</b> Oludemilade Akinrotimi	13
<b>Factors Contributing to African American Male Persistence in Higher Education</b> Brandon Boston	14
<b>Connecting homes and schools: A Photo Elicitation Study</b> Jasmine Brown	15
<b>The Experience of Housing Instability and Black Sexuality Amongst African American Women</b> Aneisha Dunmore	16
<b>Determining the Identity and Possible Origins of a Collembola Pest of Lettuce and Tree Seedlings</b> Alejandra Flores	17
<b>Electrodeposition of Cu on arbitrary substrates for CVD graphene synthesis</b> Mahmoud Fouly	18
<b>In the 21st Century have the demographics and social changes regarding the Hispanic population in the United States impacted military advertising?</b> Jasmin Garcia	19
<b>Analysis of Shear-rate Dependent Blood-Flow Models Through Idealized Bifurcating Geometries with Traction-Free and Resistance Outlet Boundary Conditions</b> Francisco Gonzalez	20
<b>Youth's Commitment to Responsibilities in Youth Programs</b> Natali Gracia	21
<b>A Small City School vs. A Big City School: Student Preparedness for Students of Color</b> Olivia Hatch	22
<b>Plasticity in the PFC Following 5-7-9 Postnatal Alcohol Exposure Using Exercise as an Intervention</b> Ivy Herndandez Delgado	23
<b>"Being 100%": Social Justice Youth Development Among Black Youth</b> Alexander Horton	24
<b>Chicago Black Mother's Project on Violence, Depression, Resilience, and Sociogenomics</b> Osazomon Imarenezor	25
<b>East African Water and Sanitation Inequities: Activism for Maternal and Child Health</b> Arianna Jenkins	26
<b>"A mi nadie me ayudaba: Scholl Readiness Beliefs and Involvement of Latina Mothers and Preschoolers</b> Jazmin Landa	27
<b>Multiplex Protein Analysis of Glioblastoma Multiform Cancer Cells Through the Use of Microring Resonators</b> Ruth Londono	28
<b>Exclusion within Inclusion: The Alienation and Retention Effects of Black Students on Campus</b> Aaminah Long	29
<b>Analysis of Hospital Charges: Comparing Three Services in Illinois</b> Javier Long	30

**Table of Contents**

**The Effect of Immunoaffinity Column Chromatography Elution Buffers on HDL Apolipoprotein Detection** .....31  
Viridiana Luna

**Educational Expectations that Low-Income African-American Mothers Have for Their Preschool-Aged Children** .....32  
Theola Maxon

**School Readiness: Insights from Low-income, African American Mothers** .....33  
Lilli Melero

**The Connections between Social Anxiety and Curiosity**.....34  
Brenda Mendez-Gutierrez

**Discovering Characteristics and Photosynthesis Rates of African Cassava Cultivars**.....35  
Ahrianna Mitchell-Sodipe

**Promotora Model as a Method of Health Intervention in US Latino Immigrant Populations**.....36  
Ramona Montez

**Accelerated 4D Flow MRI Using a Shared Subspace Constraint**.....37  
Miguel Moscoso

**Uncle Sam’s Pastime: La Liga Mexicana and the Hegemony of Major League Baseball, 1942-1948** .....38  
Mariano Nava

**Investigating Student Learning and Online Homework Tools**.....39  
Chinedu Nwoko

**Can Our Children Really Learn This Way? Discovering the Impact of the Afrocentric Curriculum**.....40  
Ashley Ojiemwen

**“Mommy, Can You Help Me?” An Ethnographic Look at Maternal Involvement from Pre-school to Kindergarten** .....41  
Anita Oladunni,

**Analysis of Social Needs and Chronic Conditions of the Uninsured Utilizing a Free Clinic**.....42  
Anuoluwapo Osideko

**Optimization of a Signal Enhancement Strategy for the Detection of MicroRNA Using Silicon Photonic Microring Resonator Arrays** .....43  
Christopher Para

**Mitochondrial Redox Homeostasis in Hypoxia via a Microfluidic Platform**.....44  
Taylor Person

**Women with Diabetes and Depression: A Systematic Review Discussing Comorbidity Within the U.S** .....45  
Caroline Quintanilla

**Use of Social Networking Applications and Sexual Interactions among Latino MSM**.....46  
Xavier Ramirez

**White Matter Changes in the Brains of Adults with Tinnitus**.....47  
Ariana Romero

**Evaluation of Bone Tissue Decalcification Methods for Use in Tissue Engineering Research**.....48  
Diamond Stevens

**Mentoring Mexican-American College Women: A Study of the Role of Race/Ethnicity in Shaping Mentoring Relationships and Experiences** .....49  
Jasmine Patron Vargas

**Silicone Elastomer Blends**.....50  
Gabriel Velarde

**The Literary Self: An Examination of a Contextual Black Identity**.....51  
Jarvis Young