

001	Behavioral/Social Science	An Investigation into Adolescent Shame
002	Behavioral/Social Science	The Effect of Ethanol on Zebrafish Embryos Compared to Human Embryos with FAS
003	Behavior/Social Sciences	The Effects of Different Breaks on Student Focus
004	Behavior/Social Sciences	The Effects of Gender on the Pre-Operational Stage of Jean Piaget's Theory of Cognitive Development
301	Biology	Testing the Purported Antibacterial Efficacy of Common Natural Foods: An In-Vitro Study
302	Biology	Yeast and DNA Damage
303	Biology	Ethanol Effects on Developing Zebrafish: Neurotoxicity & Mortality
304	Biology	A Novel Study on the Viability of Probiotics When Fortified in Infant Foods
305	Biology	The Effects of Second Hand Electronic Cigarette Vapor on Drosophila
306	Biology	Metformin as a Novel Neurogenic Method of Methylmercury Neurotoxicity Symptom Mitigation in Danio rerio as a Model for Human Fetuses
307	Biology	Role of GATA4 in Early Gastrointestinal Tract Development
606	Biology	3D Printing of Bioengineered Human Cardiac Stem Cells
401	Chemistry /Biochemistry	Computer Modeling of Akt-Mediated Phosphorylation of Hsp70 to Understand the SOD2 Targeting to Mitochondria for Regulation of Oxidative Stress
402	Chemistry /Biochemistry	Comparing the Reaction of Hydrogen Peroxide and Catalase Extracted from Different Species of Animals' Livers
601	Engineering	Improving Perovskite Solar Cells by Engineering a Water Resistant Environment for the Active Layer
602	Engineering	Redesigning River Turbines to Produce Electrical Power More Efficiently
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603	Engineering	Improving Efficiency of Wind Turbines by Altering the Blades
604	Engineering	Device for the Removal of Carbon Dioxide and Particulate Matter from Vehicle Exhaust
605	Engineering	Application of Graphene: Water Filter With Removable Sleeves
607	Engineering	Guitar String Modifications for Optimizing the Overtone Scheme to the Golden Ratio of Phi
608	Engineering	Effects of Droplet Size and Microstructure on Contact Angle of Ductile Iron
609	Engineering	The Fabrication of an Affordable and Accessible Radiocarpal Joint
610	Engineering	Make it Solar
611	Engineering	Studies on Hot Tearing Tendencies of Aluminum Cast Alloys Poured into Sand Molds
612	Engineering	Using BLE (Bluetooth Low Energy) Beacons and 2D (Two Dimensional) Trilateration in a Mobile Application to Assist People Suffering From Severe Vision Loss and Blindness with Home Navigation and Spatial Awareness
501	Environmental Sciences	Colored Lights Effect on Aquaponics Water Quality Influenced by Bacterial Cultivation
502	Environmental Sciences	Comparison of Fecal Coliform in Urbanized vs Non Urbanized sections of the Kinnickinnic River
503	Environmental Sciences	Development of a Grass Variety as a Way to Remove Nitrogen from Water Environments
504	Environmental Sciences	A Device to Minimize Bat Mortality from Wind Turbine Collision
505	Environmental Sciences	Recirculating an Oil Water Mixture Using Various Filtration Devices
506	Environmental Sciences	The Effects of Water Quality by Testing Different Locations Along the Milwaukee River
701	Math/Computer Sciences	Metropolitan Area Evacuation Using Genetic Algorithms
702	Math/Computer Sciences	Creating Rerouted Flight Schedules To Maximize Profit Given a Schedule Perturbation
703	Math/Computer Sciences	Securing Artificial Intelligence: A Novel Neural Network Structure to Defend Against Adversarial Examples
801	Medicine/Health	Effect of Repeated Concussions on the Neurological and Psychological Health of High School and College Athletes
802	Medicine/Health	The Effect of Lymph Node Removal on Colon Cancer Patients
804	Medicine/Health	Vaccine Associated Autoimmune Diseases in Canines: Immune Mediated Hemolytic Anemia
803	Medicine/Health Sciences	Atrophy of the Hippocampus and Dilatation of Brain Ventricles as Biomarkers for Alzheimer's Disease
805	Medicine/Health Sciences	The Influence of Macrophages on the Expansion of Ovarian Cancer Metastases
806	Medicine/Health Sciences	Role of Telomerase in Vascular Function and Exploration of Mitochondrial Dynamics: A Novel Approach to Treatment of Vascular Dysfunction

901	Physics	Space Debris Removal via a Rotating Tether
902	Physics	Globular Star Clusters
903	Physics	The Effect of Various Flow Velocities of a Solution Containing Microbubbles on Microbubble Circulation Within a Capillary Mimicking Closed Circuit Flow Phantom
904	Physics	Thermoelectric Effect