

ID	Track	Page Limit	Paid extra 1 or 2 pages allowed?	Title
IRI-5	Research	6	Yes	Hierarchical ML for Adversarial Resiliency in Autonomous Vehicular Traffic Sign Recognition
IRI-7	Research	6	Yes	Spatiotemporal DeepFake Video Detection: A Hybrid CNN-Transformer Approach with Frequency Analysis
IRI-9	Research	6	Yes	Course Recommender System Using Hybrid Machine Learning for Higher Education
IRI-10	Research	6	Yes	Securing Federated Learning against Backdoor Threats with Foundation Model Integration
IRI-11	Research	6	Yes	Mouse Dynamics Based Continuous Authentication Through Siamese Networks
IRI-15	Research	6	Yes	Integrating Computational Text Analysis into Risk and Crisis Communication Development
IRI-17	Research	6	Yes	MultiRAG: A Fuzzy Logic-Driven Multi-Granularity Framework for Legal Document Generation
IRI-19	Research	6	Yes	Connecting the Dots: An Integrated Vulnerability Knowledge Graph for Security Practitioners
IRI-21	Research	6	Yes	An Explainable AI Framework for Wire Crimping Specification Prediction and Toolset Family Identification
IRI-22	Research	6	Yes	Physics-informed variational autoencoder for industrial system modeling
IRI-23	Research	6	Yes	STCN-Ozone: A Graph-Based Spatiotemporal Forecasting Framework for Modeling Tropospheric Ozone
IRI-24	Research	6	Yes	RBM-Clustering: An Image Clustering Framework Using Agglomerative Hierarchical Clustering and Restricted Boltzmann Machines
IRI-25	Research	6	Yes	Towards Simulating Social Influence Dynamics with LLM-based Multi-agents
IRI-26	Research	6	Yes	Unsupervised Domain-Adaptation for Appearance-based Gaze Estimation
IRI-27	Research	6	Yes	Integrating Water Data to Empower Alaska's Rural Communities
IRI-28	Research	6	Yes	Change Impact Analysis using Machine Learning: A Systematic Literature Review
IRI-30	Research	6	Yes	PeerGuard: Defending Multi-Agent Systems Against Backdoor Attacks Through Mutual Reasoning
IRI-33	Research	6	Yes	Benchmarking Transformer and Sequence Models for UWB Indoor Localization
IRI-34	Research	6	Yes	GRFuzz: A Deep Reinforcement Learning Approach to Python Library Fuzzing with GRPO
IRI-35	Research	6	Yes	Accelerating Drug Discovery with Deep Reinforcement Learning: Molecular Generation Using Deep Q-Network
IRI-36	Research	6	Yes	Beyond Gaze Overlap: Analyzing Joint Visual Attention Dynamics Using Egocentric Data
IRI-37	Research	6	Yes	Quantitative Evaluation of AI-generated Recipes for Health Recommender Systems
IRI-38	Research	6	Yes	Efficient Federated Learning Convergence with Epoch Adaptation
IRI-39	Research	6	Yes	Toward Affordable and Non-Invasive Detection of Hypoglycemia: A Machine Learning Approach
IRI-40	Research	6	Yes	Predicting Chronic Disease Onset Using Longitudinal Electronic Health Records (EHR) with Recurrent Neural Networks
IRI-41	Research	6	Yes	LLM-based Prompt Ensemble for Reliable Medical Entity Recognition from EHRs
IRI-43	Research	6	Yes	zSHiFT: A Siamese Hierarchical Transformer Network for Zero Shot Time Series Forecasting
IRI-44	Research	6	Yes	Automatic Scientific Discoveries Using a Public Collection of Characterized Semantic Predications
IRI-45	Research	6	Yes	Media Impact Index for Disaster Vulnerability Assessment: A Thematic Classification and Vulnerability Indexing Framework
IRI-47	Research	6	Yes	Leveraging LLMs for Automatic Feature Extraction in Embedded Systems to Support Software Reuse
IRI-63	Research	6	Yes	Online Projected Gradient Descent for Grid Regulated Power Point Tracking Under Highly Fluctuating Weather and Load
IRI-64	Research	6	Yes	Causal Explainability of Machine Learning in Heart Failure Prediction from Electronic Health Records
IRI-65	Research	6	Yes	MalCodeAI: Autonomous Vulnerability Detection and Remediation via Language Agnostic Code Reasoning
IRI-67	Research	6	Yes	Evaluating Multi-Weather Impacts on the U.S. Power Grid Reliability

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IRI-68	Research	6	Yes	P-KESS: A Prior-Knowledge Enforced Semantic Segmentation Pipeline for UAV Imagery River Habitat Segmentation
IRI-69	Research	6	Yes	Benchmarking Fine-Tuning Strategies for LLaMA: A Multi-Dimensional Evaluation for National Security Contexts
IRI-70	Research	6	Yes	dCrack: Enhancing Fine-Grained Crack Segmentation with Edge-Guided Attention
IRI-73	Research	6	Yes	Design and Development of a Real-Time Camera-based Smart Cooking Assistant
IRI-74	Research	6	Yes	Database Entity Recognition with Data Augmentation and Deep Learning
IRI-75	Research	6	Yes	HexWeather: Hexagonal Spatial Data Aggregation for Weather-Driven Grid Resilience Analysis
IRI-76	Research	6	Yes	Evaluation of a Conceptual Framework for the Resilience of Unit Test Suites to Refactoring
IRI-77	Research	6	Yes	Self-Rectification Faster R-CNN: Enhancing Object Detection in Complex-Background Aerial Images
IRI-78	Research	6	Yes	AI-Driven Research Papers Classification: Fine-Tuning LLM with LoRA for Efficient Adaptation
IRI-79	Research	6	Yes	AndroIDS : Android-based Intrusion Detection System using Federated Learning
IRI-80	Research	6	Yes	An AI-based Methodology for Digitizing Historical Tabular Data with High Accuracy
IRI-81	Research	6	Yes	SecureFed: A Two-Phase Framework for Detecting Malicious Clients in Federated Learning
IRI-83	Research	6	Yes	The Impact of Class Imbalance on Unsupervised Deep Anomaly Detection for Cognitive Data
IRI-85	Research	6	Yes	Physics-Informed Deep Learning with GLCM-Integrated Loss for Building Damage Assessment Using Remote Sensing
IRI-86	Research	6	Yes	Early Detection of Alzheimer's Using MRIs and Explainable 3D CNNs
IRI-87	Research	6	Yes	A Meta-Learning Approach to Generating Functional Descriptions of Graphical User Interfaces
IRI-89	Research	6	Yes	LLM-Rank: An Unsupervised Keyword Extraction Method Using Local Large Language Models
IRI-97	Research	6	Yes	A ChatGPT-Powered Tool for Automating Context-Aware Acceptance Criteria Generation for User Stories
IRI-98	Research	6	Yes	Information Integration in Social Science Research: Advances with LLMs in the NAIP Project
IRI-99	Research	6	Yes	The AI Imitation Game: A Cognitive Comparison of Mimicry in Large Language Models
IRI-100	Research	6	Yes	Fusion-based Clustering with Interaction Rate for Imbalanced and Chained Structures
IRI-13	Poster	2	No	Text Coherence based Test-Time Adaptation for Collaborative Robot Segmentation
IRI-29	Poster	2	No	Tuned4You: a Machine Learning-Based Music Scoring Tool Using Health Data
IRI-51	Poster	2	No	Enhancing RAG with Domain-Specific Knowledge Graphs for Accurate Medical Data Retrieval
IRI-52	Poster	2	No	Design and Development of an Intelligent Search and Rescue System with Advanced Noise Reduction and Robust Localization
IRI-55	Poster	2	No	Risk Factor Prediction of Chronic Kidney Disease
EMRITE-3	EM-RITE	6	No	Trust-Guided Multi-Agent LLM Risk Classification in Safety-Critical Dialogues
EMRITE-4	EM-RITE	6	No	Formosan Language Morphological Analyzer
EMRITE-6	EM-RITE	6	No	Fine-tuned Models for Hate Speech Detection: Assessing Generalization on Social Media
EMRITE-7	EM-RITE	6	No	Explainable Patterns of LLM Funding Behaviour in Startup Funding Decision
EMRITE-8	EM-RITE	6	No	From Silence to Voice: Using Personalized AI Language Models to Improve Quality of Life for People with Speech Impediments
AIHC-3676	AIHC	6	No	LLM-based Agents for Automated Confounder Discovery and Subgroup Analysis in Causal Inference
AIHC-4057	AIHC	6	No	Quality Assessment of Embryo Development Based on EM-aided Collaborative Learning
AIHC-4424	AIHC	6	No	Towards Interpretable Renal Health Decline Forecasting via Multi-LMM Collaborative Reasoning Framework

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AIHC-4701	AIHC	6	No	Integrating Interpretability into Deep Learning Models for Mammogram-Based Breast Cancer Detection
AIHC-5897	AIHC	6	No	Longitudinal Analysis of Diabetes-Respiratory Distress Connections in Multimodal QBB Data Using Artificial Intelligence
AIHC-8981	AIHC	6	No	Unsupervised Cognitive Impairment Detection Using Convolutional Autoencoders and Isolation Forest
AIHC-9863	AIHC	6	No	A New and Effective Technique for Unsupervised Labeling and Feature Selection with Applications in Healthcare Fraud Detection