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# **SIGIR**

# **SIGIR 2019**

Ensembles of Recurrent Networks for Classifying the Relationship of Fake News Titles

Learning from Fact-checkers: Analysis and Generation of Fact-checking Language

Information Nutritional Label and Word Embedding to Estimate Information Check-Worthiness

# **SIGIR 2020**

BRENDA: Browser Extension for Fake News Detection

Can The Crowd Identify Misinformation Objectively?: The Effects of Judgment Scale and Assessor's Background

Factuality Checking in News Headlines with Eye Tracking

FactCatch: Incremental Pay-as-You-Go Fact Checking with Minimal User Effort

# **SIGIR 2021**

Hierarchical Multi-modal Contextual Attention Network for Fake News Detection

User Preference-aware Fake News Detection

Rumor Detection on Social Media with Event Augmentations

Vera: Prediction Techniques for Reducing Harmful Misinformation in Consumer Health Search

# **SIGIR 2022**

Learning Trustworthy Web Sources to Derive Correct Answers and Reduce Health Misinformation in Search

A Weakly Supervised Propagation Model for Rumor Verification and Stance Detection with Multiple Instance Learning

Monant Medical Misinformation Dataset: Mapping Articles to Fact-Checked Claims

MuMiN: A Large-Scale Multilingual Multimodal Fact-Checked Misinformation Social Network Dataset

GERE: Generative Evidence Retrieval for Fact Verification

Generalizing to the Future: Mitigating Entity Bias in Fake News Detection

Bias Mitigation for Evidence-aware Fake News Detection by Causal Intervention

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# **WWW**

# **WWW 2019**

What happened? The Spread of Fake News Publisher Content During the 2016 U.S. Presidential Election

MVAE: Multimodal Variational Autoencoder for Fake News Detection

XFake: Explainable Fake News Detector with Visualizations

Detect Rumors on Twitter by Promoting Information Campaigns with Generative Adversarial Learning

Reply-Aided Detection of Misinformation via Bayesian Deep Learning

Automated Fact Checking in the News Room

# **WWW 2020**

A Kernel of Truth: Determining Rumor Veracity on Twitter by Diffusion Pattern Alone

VRoC: Variational Autoencoder-aided Multi-task Rumor Classifier Based on Text

Factoring Fact-Checks: Structured Information Extraction from Fact-Checking Articles

# **WWW 2021**

Deepfake Videos in the Wild: Analysis and Detection

Mining Dual Emotion for Fake News Detection

One Detector to Rule Them All: Towards a General Deepfake Attack Detection Framework

Rumor Detection with Field of Linear and Non-Linear Propagation

An Experimental Study to Understand User Experience and Perception Bias Occurred by Fact-checking Messages

The Surprising Performance of Simple Baselines for Misinformation Detection

# **WWW 2022**

Rumor Detection on Social Media with Graph Adversarial Contrastive Learning

Identifying the Adoption or Rejection of Misinformation Targeting COVID-19 Vaccines in Twitter Discourse

The Impact of Twitter Labels on Misinformation Spread and User Engagement: Lessons from Trump’s Election Tweets

Moral Emotions Shape the Virality of COVID-19 Misinformation on Social Media

Construction of Large-Scale Misinformation Labeled Datasets from Social Media Discourse using Label Refinement

A Duo-generative Approach to Explainable Multimodal COVID-19 Misinformation Detection

VICTOR: An Implicit Approach to Mitigate Misinformation via Continuous Verification Reading

Evidence-aware Fake News Detection with Graph Neural Networks

Domain Adaptive Fake News Detection via Reinforcement Learning

“This is Fake! Shared it by Mistake”: Assessing the Intent of Fake News Spreaders

Cross-modal Ambiguity Learning for Multimodal Fake News Detection

Veracity-aware and Event-driven Personalized News Recommendation for Fake News Mitigation

Divide-and-Conquer: Post-User Interaction Network for Fake News Detection on Social Media

EvidenceNet: Evidence Fusion Network for Fact Verification（没找到原文）

# **WWW 2023**

Reinforcement Learning-based Counter-Misinformation Response Generation: A Case Study of COVID-19 Vaccine Misinformation

“Why is this misleading?" Detecting News Headline Hallucinations with Explanations

Who Funds Misinformation? A Systematic Analysis of the Ad-related Profit Routines of Fake News sites

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# **IJCAI**

# **IJCAI 2019**

无

# **IJCAI 2020**

Rumor Detection on Social Media with Graph Structured Adversarial Learning

Evidence-Aware Hierarchical Interactive Attention Networks for Explainable Claim Verification

# **IJCAI 2021**

An Examination of Fairness of AI Models for Deepfake Detection

Dynamic Inconsistency-aware DeepFake Video Detection

Detecting Deepfake Videos with Temporal Dropout 3DCNN

Beyond the Spectrum: Detecting Deepfakes via Re-Synthesis

Multi-Hop Fact Checking of Political Claims

Automated Fact-Checking for Assisting Human Fact-Checkers

# **IJCAI 2022**

MFAN: Multi-modal Feature-enhanced Attention Networks for Rumor Detection

Document-level Event Factuality Identifcation via Reinforced Multi-Granularity Hierarchical Attention Networks

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# **AAAI**

# **AAAI 2019**

Unsupervised Fake News Detection on Social Media: A Generative Approach

Defending Elections against Malicious Spread of Misinformation

Combining Fact Extraction and Verification with Neural Semantic Matching Networks

# **AAAI 2020**

Capturing the Style of Fake News

Weak Supervision for Fake News Detection via Reinforcement Learning

Learning Efficient Representations for Fake Speech Detection

Rumor Detection on Social Media with Bi-Directional Graph Convolutional Networks

Interpretable Rumor Detection in Microblogs by Attending to User Interactions

# **AAAI 2021**

KAN: Knowledge-aware Attention Network for Fake News Detection

Embracing Domain Differences in Fake News: Cross-domain Fake News Detection using Multi-modal Data.

Evidence Inference Networks for Interpretable Claim Verification

# **AAAI 2022**

LOREN: Logic-Regularized Reasoning for Interpretable Fact Verification

Synthetic Disinformation Attacks on Automated Fact Verification Systems

Towards Fine-Grained Reasoning for Fake News Detection

DDGCN: Dual Dynamic Graph Convolutional Networks for Rumor Detection on Social Media

Socially Fair Mitigation of Misinformation on Social Networks via Constraint Stochastic Optimization

# **AAAI 2023**

Bootstrapping Multi-view Representations for Fake News Detection

See How You Read? Multi-reading Habits Fusion Reasoning for Multi-modal Fake News Detection（未发出）

unsupervised Cross-Domain Rumor Detection with Contrastive Learning and Cross-Attention

Zero-Shot Rumor Detection with Propagation Structure via Prompt Learning

Exploring Faithful Rationale for Multi-hop Fact Verification via Salience-Aware

FakeKG: A Knowledge Graph of Fake Claims for Improving Large-scale Fact-checking（未发出）

An Emotion-guided Approach to Domain Adaptive Fake News Detection using Adversarial Learning

HG-SL: Jointly Learning of Global and Local User Spreading Behavior for Fake News Early Detection

汇报链接：[Underline | HG-SL: Jointly Learning of Global and Local User Spreading Behavior for Fake News Early Detection](https://underline.io/lecture/68290-hg-sl-jointly-learning-of-global-and-local-user-spreading-behavior-for-fake-news-early-detection)

FakeSV: A Multimodal Benchmark with Rich Social Context for Fake News Detection on Short Video Platforms

Auditing and Robustifying COVID-19 Misinformation Data Sets（未发出）

COSMOS: Catching Out-of-Context Image Misuse using Self Supervised Learning

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# **ACM MM**

# **（大部分都是图像相关）**

# **MM 2019**

Multi-modal Knowledge-aware Event Memory Network for Social Media Rumor Detection

# **MM 2020**

Not made for each other- Audio-Visual Dissonance-based Deepfake Detection and Localization

Sharp Multiple Instance Learning for DeepFake Video Detection

# **MM 2021**

CoReD: Generalizing Fake Media Detection with Continual Representation using Distillation

Video Transformer for Deepfake Detection with Incremental Learning

Spatiotemporal Inconsistency Learning for DeepFake Video Detection

FakeTagger: Robust Safeguards against DeepFake Dissemination via Provenance Tracking

Partially fake it till you make it: mixing real and fake thermal images for improved object detection

Improving Fake News Detection by Using an Entity-enhanced Framework to Fuse Diverse Multimodal Clues

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# **KDD**

# **KDD 2019**

dEFEND: Explainable Fake News Detection(同CIKM2019)

# **KDD 2020**

DETERRENT: Knowledge Guided Graph Attention Network for Detecting Healthcare Misinformation

[Cascade-LSTM: A Tree-Structured Neural Classifier for Detecting Misinformation Cascades](https://www.kdd.org/kdd2020/accepted-papers/view/cascade-lstm-a-tree-structured-neural-classifier-for-detecting-misinformati)

# **KDD 2021**

Causal Understanding of Fake News Dissemination on Social Media

Multi-modal Emergent Fake News Detection via Meta Neural Process Networks

# **KDD 2022**

Ask to Know More: Generating Counterfactual Explanations for Fake Claims

Reinforcement Subgraph Reasoning for Fake News Detection

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# **NIPS**

# **NIPS2019**

Defending Against Neural Fake News

# **NIPS2020**

无

# **NIPS2021**

无

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# **CIKM**

# **CIKM 2019**

Attention-Residual Network with CNN for Rumor Detection

Multiple Rumor Source Detection with Graph Convolutional Networks

dEFEND: A System for Explainable Fake News Detection

A Benchmark for Fact Checking Algorithms Built on Knowledge Bases

Attributed Multi-Relational Attention Network for Fact-checking URL Recommendation

# **CIKM 2020**

FANG: Leveraging Social Context for Fake News Detection

Using Graph Representation

The COVID-19 Infodemic: Can the Crowd Judge Recent Misinformation Objectively?

Joint Estimation of User And Publisher Credibility for Fake News Detection

# **CIKM 2021**

MDFEND: Multi-domain Fake News Detection

CrossAug: A Contrastive Data Augmentation Method for Debiasing Fact Verification Models

Integrating Pattern- and Fact-based Fake News Detection via Model Preference Learning

Supervised Contrastive Learning for Multimodal Unreliable News Detection in COVID-19 Pandemic

SciClops: Detecting and Contextualizing Scientific Claims for Assisting Manual Fact-Checking

Modeling Inter-Claim Interactions for Verifying Multiple Claims

Using Topic Modeling and Adversarial Neural Networks for Fake News Video Detection

ARGH!: Automated Rumor Generation Hub

WhatTheWikiFact: Fact-Checking Claims Against Wikipedia

# **CIKM 2022**

Meta-Path-based Fake News Detection Leveraging Multi-level Social Context Information

Contrastive Domain Adaptation for Early Misinformation Detection: A Case Study on COVID-19

Crowdsourced Fact-Checking at Twitter: How Does the Crowd Compare With Experts?

Towards Robust False Information Detection on Social Networks with Contrastive Learning

AdaDebunk: An Efficient and Reliable Deep State Space Model for Adaptive Fake News Early Detection

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# **EMNLP**

# **EMNLP 2019**

Different Absorption from the Same Sharing: Sifted Multi-task Learning for Fake News Detection

Modeling Conversation Structure and Temporal Dynamics for Jointly Predicting Rumor Stance and Veracity

Fact-Checking Meets Fauxtography: Verifying Claims About Images

Evaluating adversarial attacks against multiple fact verification systems

On the Importance of Delexicalization for Fact Verification

Towards Debiasing Fact Verification Models

MultiFC: A Real-World Multi-Domain Dataset for Evidence-Based Fact Checking of Claims

# **EMNLP 2020**

## **Main Conference（主会）**

Coupled Hierarchical Transformer for Stance-Aware Rumor Verification in Social Media Conversations

A State-independent and Time-evolving Network for Early Rumor Detection in Social Media

Detecting Cross-Modal Inconsistency to Defend Against Neural Fake News

Where Are the Facts? Searching for Fact-checked Information to Alleviate the Spread of Fake News

Table Fact Verification with Structure-Aware Transformer

AnswerFact: Fact Checking in Product Question Answering

Neural Deepfake Detection with Factual Structure of Text

Generating Fact Checking Briefs

Fact or Fiction: Verifying Scientific Claims

Explainable Automated Fact-Checking for Public Health Claims

Hierarchical Evidence Set Modeling for Automated Fact Extraction and Verification

Program Enhanced Fact Verification with Verbalization and Graph Attention Network

Constrained Fact Verification for FEVER

## **Findings**

Adapting Open Domain Fact Extraction and Verification to COVID-FACT through In-Domain Language Modeling

HOVER: A Dataset for Many-Hop Fact Extraction And Claim Verification

Claim Check-Worthiness Detection as Positive Unlabelled Learning

# **EMNLP 2021**

## **Main Conference（主会）**

Logic-level Evidence Retrieval and Graph-based Verification Network for Table-based Fact Verification

Uncertain Local-to-Global Networks for Document-Level Event Factuality Identification

Students Who Study Together Learn Better: On the Importance of Collective Knowledge Distillation for Domain Transfer in Fact Verification

STANKER: Stacking Network based on Level-grained Attention-masked BERT for Rumor Detection on Social Media

Rumor Detection on Twitter with Claim-Guided Hierarchical Graph Attention Networks

Abstract, Rationale, Stance: A Joint Model for Scientific Claim Verification

## **Findings**

Exploring Decomposition for Table-based Fact Verification

Fighting the COVID-19 Infodemic: Modeling the Perspective of Journalists, Fact-Checkers, Social Media Platforms, Policy Makers, and the Society

Table-based Fact Verification with Salience-aware Learning

Evidence-based Fact-Checking of Health-related Claims

Active Learning for Rumor Identification on Social Media

Inconsistency Matters: A Knowledge-guided Dual-inconsistency Network for Multi-modal Rumor Detection

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# **ACL**

# **ACL 2019**

Rumor Detection By Exploiting User Credibility Information, Attention and Multi-task Learning

Tree LSTMs with Convolution Units to Predict Stance and Rumor Veracity in Social Media Conversations

Sentence-Level Evidence Embedding for Claim Verification with Hierarchical Attention Networks

Evidence-based Trustworthiness

GEAR: Graph-based Evidence Aggregating and Reasoning for Fact Verification

Graph based Neural Networks for Event Factuality Prediction using Syntactic and Semantic Structures

# **ACL 2020**

GCAN: Graph-aware Co-Attention Networks for Explainable Fake News Detection on Social Media

Estimating Predictive Uncertainty for Rumour Verification Models

That is a Known Lie: Detecting Previously Fact-Checked Claims

LogicalFactChecker: Leveraging Logical Operations for Fact Checking with Graph Module Network

Reasoning Over Semantic-Level Graph for Fact Checking

Fine-grained Fact Verification with Kernel Graph Attention Network

Generating Fact Checking Explanations

DeSePtion: Dual Sequence Prediction and Adversarial Examples for Improved Fact-Checking

DTCA: Decision Tree-based Co-Attention Networks for Explainable Claim Verification

Masking Actor Information Leads to Fairer Political Claims Detection

# **ACL 2021**

## **主会（MAIN CONFERENCE）**

Edited Media Understanding Frames: Reasoning About the Intent and Implications of Visual Misinformation

Article Reranking by Memory-Enhanced Key Sentence Matching for Detecting Previously Fact-Checked Claims

Evidence-based Factual Error Correction

Structurizing Misinformation Stories via Rationalizing Fact-Checks

Claim Matching Beyond English to Scale Global Fact-Checking

InfoSurgeon: Cross-Media Fine-grained Information Consistency Checking for Fake News Detection

Joint Verification and Reranking for Open Fact Checking Over Tables

COVID-Fact: Fact Extraction and Verification of Real-World Claims on COVID-19 Pandemic

Topic-Aware Evidence Reasoning and Stance-Aware Aggregation for Fact Verification

A DQN-based Approach to Finding Precise Evidences for Fact Verification

Towards Propagation Uncertainty: Edge-enhanced Bayesian Graph Convolutional Networks for Rumor Detection

Unified Dual-view Cognitive Model for Interpretable Claim Verification

Compare to The Knowledge: Graph Neural Fake News Detection with External Knowledge

Zero-shot Fact Verification by Claim Generation

Exploring Listwise Evidence Reasoning with T5 for Fact Verification

Automatic Fake News Detection: Are Models Learning to Reason?

X-Fact: A New Benchmark Dataset for Multilingual Fact Checking

## **FINDINGS**

LUX (Linguistic aspects Under eXamination): Discourse Analysis for Automatic Fake News Classification

Meet The Truth: Leverage Objective Facts and Subjective Views for Interpretable Rumor Detection

Multimodal Fusion with Co-Attention Networks for Fake News Detection

A Multi-Level Attention Model for Evidence-Based Fact Checking

Adversary-Aware Rumor Detection

Learning Disentangled Latent Topics for Twitter Rumour Veracity Classification

Strong and Light Baseline Models for Fact-Checking Joint Inference

# **ACL 2022**

Misinfo Reaction Frames: Reasoning about Readers’ Reactions to News Headlines

[PHEMEPlus: Enriching Social Media Rumour Verification with External Evidence](https://aclanthology.org/2022.fever-1.6/)

[WatClaimCheck: A new Dataset for Claim Entailment and Inference](https://aclanthology.org/2022.acl-long.92/)

[Generating Scientific Claims for Zero-Shot Scientific Fact Checking](https://aclanthology.org/2022.acl-long.175/)

[Document Retrieval and Claim Verification to Mitigate COVID-19 Misinformation](https://aclanthology.org/2022.constraint-1.8/)

[Detecting False Claims in Low-Resource Regions: A Case Study of Caribbean Islands](https://aclanthology.org/2022.constraint-1.11/)  
A Semantics-Aware Approach to Automated Claim Verification

[Neural Machine Translation for Fact-checking Temporal Claims](https://aclanthology.org/2022.fever-1.8/)

[DialFact: A Benchmark for Fact-Checking in Dialogue](https://aclanthology.org/2022.acl-long.263/)

[FaVIQ: FAct Verification from Information-seeking Questions](https://aclanthology.org/2022.acl-long.354/)

[Learning to Generate Programs for Table Fact Verification via Structure-Aware Semantic Parsing](https://aclanthology.org/2022.acl-long.525/)

[Heterogeneous-Graph Reasoning and Fine-Grained Aggregation for Fact Checking](https://aclanthology.org/2022.fever-1.2/)

[Automatic Fake News Detection: Are current models “fact-checking” or“gut-checking”?](https://aclanthology.org/2022.fever-1.4/)

[Neural Machine Translation for Fact-checking Temporal Claims](https://aclanthology.org/2022.fever-1.8/)

[Table-based Fact Verification with Self-adaptive Mixture of Experts](https://aclanthology.org/2022.findings-acl.13/)