



CRITERION 3
Research, Innovations and Extension

3.4 Research Publications and Awards

3.4.4 Number of books and chapters in edited volumes/books published per teacher during last five years

**Books and Chapters in edited volumes/books published and
papers in national/ international conference proceedings**

2021-2022



1 of 1

[Download](#) [Print](#) [Save to PDF](#) [Save to list](#) [Create bibliography](#)

AIP Conference Proceedings • Volume 2444 • 31 March 2022 • Article number 0078487 • 2021 AICTE Sponsored National Online Conference on Data Science and Intelligent Information Technology • Kovilpatti • 14 May 2021 through 15 May 2021 • Code 178400

Document type

Conference Paper

Source type

Conference Proceedings

ISSN

0094243X

ISBN

978-073544187-3

DOI

10.1063/5.0078487

[View more](#)

Generic object detection using deep learning

[Malathi M.](#)^a ; [Paramasivam C.](#)^b ; [Nagalakshmi K.](#)^a ; [Christiana, Gospeline](#)^a ;

[Sangeetha S.](#)^a

Save all to author list

^a Department of Computer Science and Engineering, Sethu Institute of Technology, Tamilnadu, Virudhu Nagar, India

^b Department of Mechanical Engineering, Thiagarajar College of Engineering, Tamilnadu, India

4

Views count

[View all metrics](#)

[Full text options](#) [Export](#)

Cited by 0 documents

Inform me when this document is cited in Scopus:

[Set citation alert >](#)

Related documents

Robust face-name graph matching for movie character identification

Sang, J. , Xu, C. (2012) *IEEE Transactions on Multimedia*

Robust movie character identification and the sensitivity analysis

Sang, J. , Liang, C. , Xu, C. (2011) *Proceedings - IEEE International Conference on Multimedia and Expo*

Retrieval of movie character using semantic graph matching techniques

Jajoo, A. , Kumaraguru, S. (2014) *ICROIT 2014 - Proceedings of the 2014 International Conference on Reliability, Optimization and Information Technology*

[View all related documents based on references](#)

Find more related documents in Scopus based on:

[Authors >](#)

Abstract

SciVal Topics

Metrics

Abstract

Object discovery is one of the very important and challenging problems in computer computing, seeks to obtain the properties of objects from a large number of categories previously described in natural images. In particular, image classification that aims to see the semantic categories of objects in a given image. Object discovery is not only identifies item categories but also predicts the location of each item with a mandatory box. Semantic separation process aims to predict intelligent pixel separation to assign a specific category label to each pixel, thus providing a richer and more comprehensive understanding of the image. In depth learning strategies have emerged as a powerful strategy for reading presentations directly from the data and have led to significant success in the field of general acquisition. Given this period of rapid evolution, the aim of this paper is to provide a comprehensive analysis of the latest achievements in this field brought about in-depth learning strategies. Here, the deep learning object detection algorithm is implemented for accuracy and time effectiveness to show



1 of 1

[Download](#) [Print](#) [Save to PDF](#) [Save to list](#) [Create bibliography](#)

2022 International Conference on Computer Communication and Informatics, ICCCI 2022 • 2022 • 12th International Conference on Computer Communication and Informatics, ICCCI 2022 • Coimbatore • 25 January 2022 through 27 January 2022 • Code 178296

Document type

Conference Paper

Source type

Conference Proceedings

ISBN

978-166548035-2

DOI

10.1109/ICCCI54379.2022.9741041

[View more](#)

Combined Weighted Whale Optimization and Attention-based Deep Learning Approach for Sentiment Analysis

[Anuratha K.^a](#) ; [Parvathy M.^b](#)
[Save all to author list](#)^a Sri Sai Ram Institute of Technology, TamilNadu, Chennai, India^b Sethu Institute of Technology, TamilNadu, Madurai, India

5

Views count

[View all metrics](#)
[Full text options](#) [Export](#)

Cited by 0 documents

Inform me when this document is cited in Scopus:

[Set citation alert >](#)

Related documents

Sentiment Analysis for E-Commerce Product Reviews in Chinese Based on Sentiment Lexicon and Deep Learning

 Yang, L. , Li, Y. , Wang, J. (2020) *IEEE Access*

ABCDM: An Attention-based Bidirectional CNN-RNN Deep Model for sentiment analysis

 Basiri, M.E. , Nemati, S. , Abdar, M. (2021) *Future Generation Computer Systems*

Evolutionary Multiobjective Feature Selection for Sentiment Analysis

 Deniz, A. , Angin, M. , Angin, P. (2021) *IEEE Access*
[View all related documents based on references](#)

Find more related documents in Scopus based on:

[Authors >](#) [Keywords >](#)

Abstract

Author keywords

Indexed keywords

SciVal Topics

Metrics

Abstract

The swift development of the Internet paved a vital contribution in the rocketing growth of the electronic commerce and online shopping portals to purchase products. Sentiment Analysis (SA) is a method of analyzing the user reviews posted on the e-commerce and shopping portals, for improving the user satisfaction. In the recent years, Deep learning models are applied for SA. This paper presents a combined attention-based deep model and weighted whale optimization for polarity detection in SA. Both the past and future contexts are extracted based on the flow of temporal information in the front and back directions. The Attention Mechanism (AM) is used at the output stage of the bi-directional layers in the deep network model for imposing either high or low emphasis on different words. Convolution and pooling mechanisms are used for reducing the feature dimensionality and extraction



1 of 1

[Download](#) [Print](#) [Save to PDF](#) [Save to list](#) [Create bibliography](#)

Proceedings of the 2021 4th International Conference on Computing and Communications Technologies, ICCCT 2021 • Pages 508 - 514 • 2021 • 4th International Conference on Computing and Communications Technologies, ICCCT 2021 • Chennai • 16 December 2021 through 17 December 2021 • Code 177364

Document type

Conference Paper

Source type

Conference Proceedings

ISBN

978-166541447-0

DOI

10.1109/ICCCT53315.2021.9711863

[View more](#)

Topical Sentiment Classification to Unmask the Concerns of General Public during COVID-19 Pandemic using Indian Tweets

Anuratha K.^a; Joshi, Soshya^a; Sharmila P.^a; Nandhini J.M.N.^a; Paravthy M.^b

Save all to author list

^a Sri Sai Ram Institute of Technology, Dept of Information Technology, Chennai, India

^b Sethu Institute of Technology, Department of CSE, Madurai, India

1

Views count

[View all metrics](#)
[Full text options](#) [Export](#)
[Abstract](#)[Indexed keywords](#)[SciVal Topics](#)[Metrics](#)**Abstract**

One of the vibrant social media platforms is which has more than half a million uses across the globe. It has become a popular means for dissemination of the news, to discuss on world events. It is also medium to converse about health centric information with updates given by the concerned officials and general public health-related information, during an abnormal situation like COVID-19 pandemics. As the dimension of data and the linguistics of data been discussed is diverse in nature, it is a challenging task to identify only the content that is interesting and useful. Few studies have been done exploring the regional languages than other English. In this work, we explored huge number of tweets on post-lock down during Covid-19 pandemic by analyzing the sentiments expressed on the tweets and topic identification. To do the same we have employed English 2,126,421 and 76,265 Tamil tweets for analyzing and discussing the usefulness of sentiment analysis and topic modeling in both of the languages. Seven subjects were that are ranked on the analysis of content discussed from India, in

Cited by 0 documents

Inform me when this document is cited in Scopus:

[Set citation alert >](#)**Related documents**

Topic detection and sentiment analysis in Twitter content related to COVID-19 from Brazil and the USA

Garcia, K. , Berton, L.
(2021) *Applied Soft Computing*

Topic Detection in Sentiment Analysis of Twitter Texts for Understanding the COVID-19 Effect in Local Economic Activities

Aprianthony , Thooriqoh, H.A. , Faticah, C.
(2021) *Proceedings of 2021 13th International Conference on Information and Communication Technology and System, ICTS 2021*

Short Text Clustering with Transformers | Кластеризация коротких текстов с помощью трансформеров

Pugachev, L. , Burtsev, M.
(2021) *Komp'yuternaya Lingvistika i Intellektual'nye Tehnologii*

[View all related documents based on references](#)

[Find more related documents in Scopus based on:](#)

[Authors >](#) [Keywords >](#)



1 of 1

[Download](#) [Print](#) [Save to PDF](#) [Save to list](#) [Create bibliography](#)

Materials Today: Proceedings • Volume 50, Pages 1022 - 1031 • 2021 • 2nd International Conference on Functional Materials, Manufacturing and Performances, ICFMMP 2021 • Phagwara • 17 September 2021 through 18 September 2021 • Code 147158

Document type

Conference Paper

Source type

Journal

ISSN

22147853

DOI

10.1016/j.matpr.2021.07.354

View more

Physical and mechanical properties of various metal matrix composites: A review

Suresh Kumar S.^a ; Thirumalai Kumaran S.^a; Velmurugan G.^b; **Perumal A.^c**; Sekar S.^d; Uthayakumar M.^a

Save all to author list

^a Faculty of Mechanical Engineering, Kalasalingam Academy of Research and Education, Tamil Nadu, Krishnankoil, 626126, India

^b Department of Agricultural Engineering, Saveetha School of Engineering, Saveetha Institute of Medical and Technical Sciences, Tamil Nadu, Chennai, 602105, India

^c Department of Mechanical Engineering, Sethu Institute of Technology, Tamil Nadu, 626115, India

^d Department of Mechanical Engineering, Hindustan Institute of Technology, Tamil Nadu, 641028, India

8 92th percentile
Citations in Scopus

3.05
FWCI

5
Views count

[View all metrics >](#)
[Full text options](#) [Export](#)
Abstract
[Author keywords](#)
[Reaxys Chemistry database information](#)
[Indexed keywords](#)
[SciVal Topics](#)
[Metrics](#)
Abstract

Over the last few decades, the research trends have been shifted from conventional materials and alloys to composite materials to develop lightweight and efficient one for the required applications. Among the classifications of composites, Metal Matrix Composites (MMCs) revealed improved properties such as lower density with a higher strength to weight ratio, better wear and abrasion resistance and lower thermal expansion coefficient, etc. This paper is concise about the Al, Cu, Mg, Ti

Cited by 8 documents

Effects of 3D graphene networks on the microstructure and physical properties of SiC/Al composites

Zeng, M. , Lin, K. , Zhou, Z. (2023) *Ceramics International*

Effect of filler content and size on the mechanical properties of graphene-filled natural fiber-based nanocomposites

Kamatchi, T. , Saravanan, R. , Rangappa, S.M. (2023) *Biomass Conversion and Biorefinery*

Potential Utilization and Characterization of Epoxy Based Biomaterials under Alkaline Environment

Velmurugan, G. , Dinesh Kumar, N. , Perumal, A. (2022) *AIP Conference Proceedings*

[View all 8 citing documents](#)

Inform me when this document is cited in Scopus:

[Set citation alert >](#)
Related documents

Magnesium matrix composite reinforced by nanoparticles – A review

Nie, K.B. , Wang, X.J. , Deng, K.K. (2021) *Journal of Magnesium and Alloys*

Characteristic behaviour of aluminium metal matrix composites: A review

Shukla, M. , Dhakad, S.K. , Agarwal, P. (2018) *Materials Today: Proceedings*

Effect of Particulate Type Reinforcements on Mechanical and Tribological Behavior of Aluminium Metal Matrix Composites: A Review

Venkatesh, V.S.S. , Deoghare, A.B. (2021) *Lecture Notes in Mechanical Engineering*

[View all related documents based on references](#)

Find more related documents in Scopus based on:

 Download
 Print
 Save to PDF
 Save to list
 Create bibliography

Effect on lotus leaf for dielectric applications

 Save all to author list

^c Department of Mech Engg, Sethu Institute of Technology, Kariapatti, 626 115, India

[View all metrics >](#)Full text options Export

Author keywords

Lotus leaves have received significant attention for multiplicity of application. This study focuses on dielectric applications on lotus leaves. The Lotus leaves (*Nelumbo nucifera*) were taken from

[View all 2 citing documents](#)[Set citation alert >](#)

Lathe, S.S. , Terashima, C. , Nakata, K.
(2014) *Molecules*