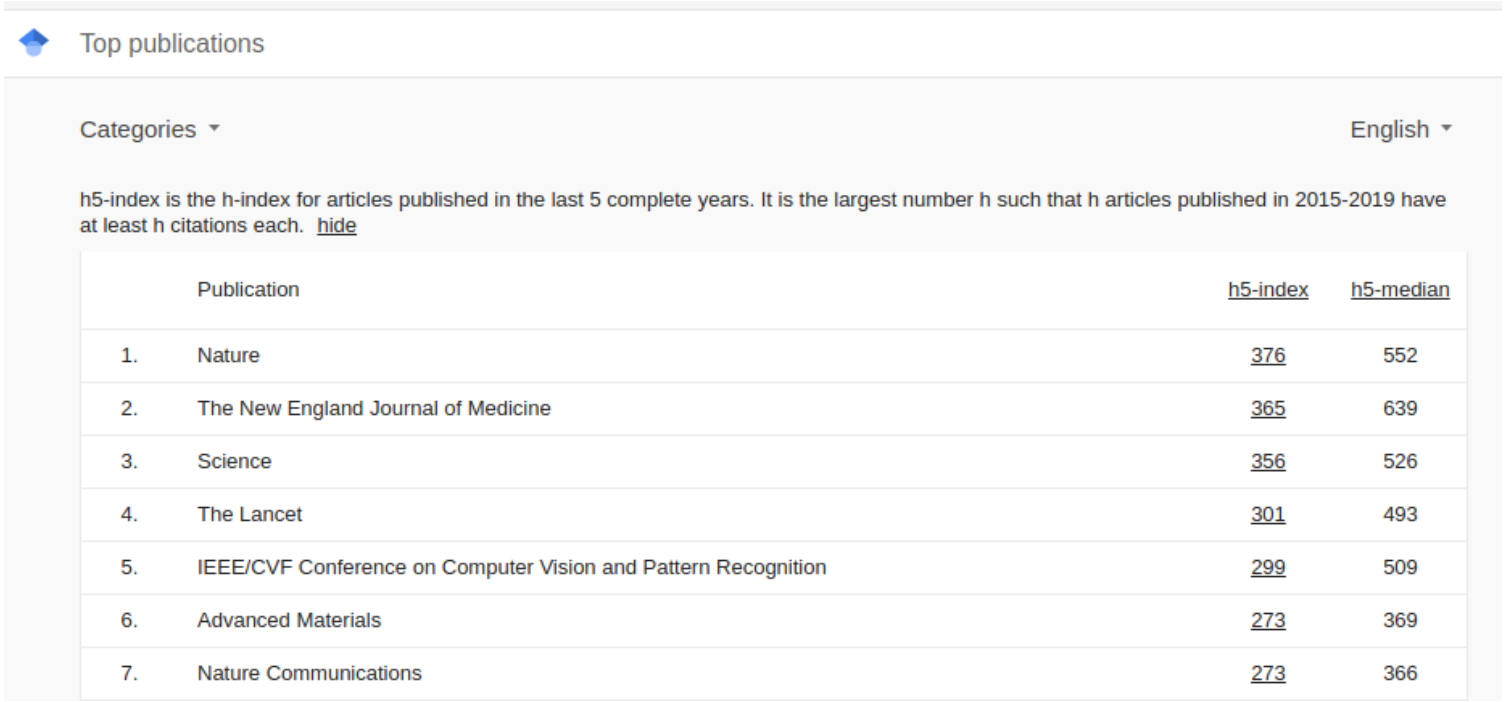
CVPR

WERONIKA HRYNIEWSKA

Conference on Computer Vision and Pattern Recognition

cvpr2021.thecvf.com

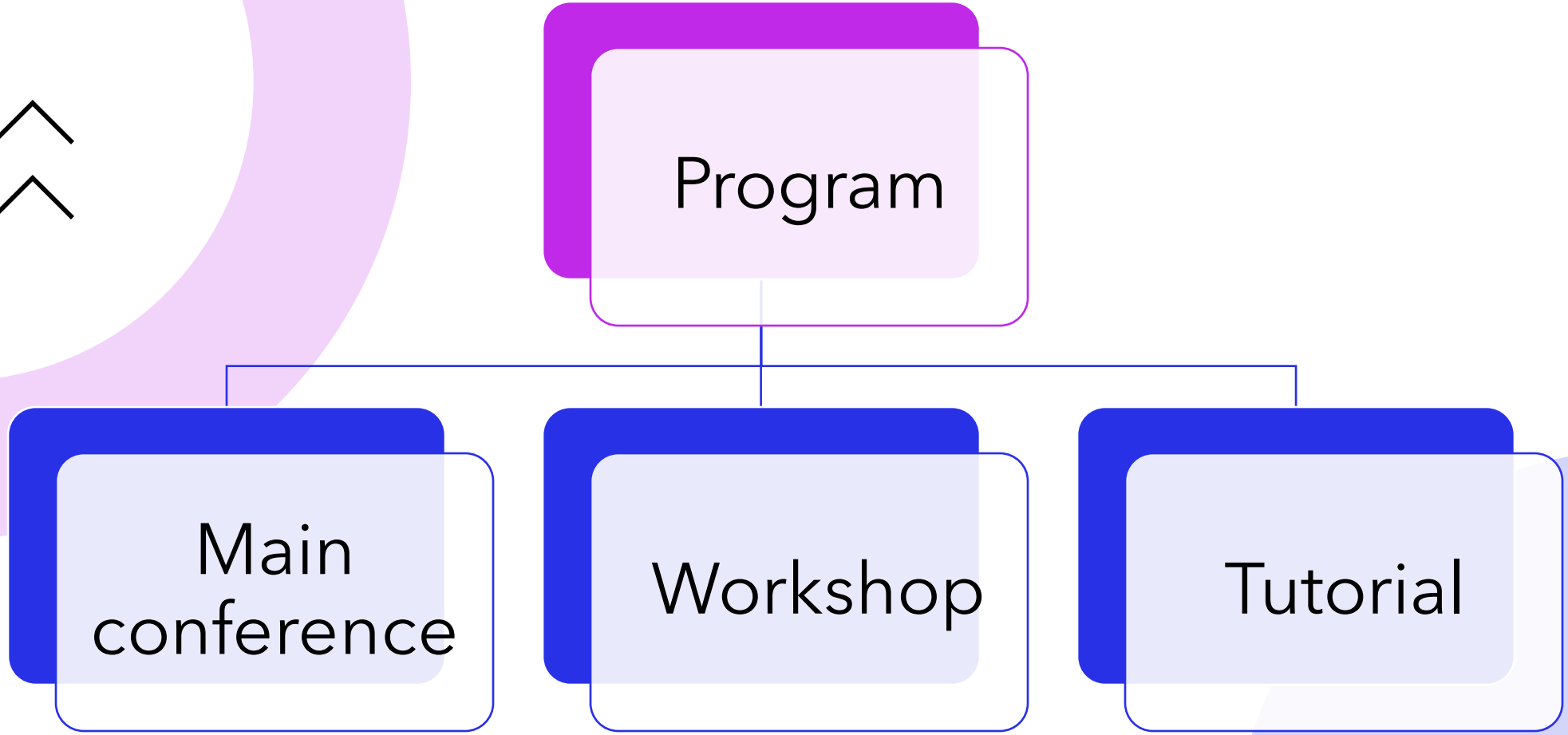


Top publications

Categories ▾ English ▾

h5-index is the h-index for articles published in the last 5 complete years. It is the largest number h such that h articles published in 2015-2019 have at least h citations each. hide

	Publication	h5-index	h5-median
1.	Nature	376	552
2.	The New England Journal of Medicine	365	639
3.	Science	356	526
4.	The Lancet	301	493
5.	IEEE/CVF Conference on Computer Vision and Pattern Recognition	299	509
6.	Advanced Materials	273	369
7.	Nature Communications	273	366


Program
Main conference
Workshop
Tutorial

Tutorial

- TUTORIAL: Adversarial Machine Learning in Computer Vision
- TUTORIAL: Normalization Techniques in Deep Learning: Methods, Analyses, and Applications
- TUTORIAL: Leave those nets alone: advances in self-supervised learning
- TUTORIAL: Tutorial on Fairness Accountability Transparency and Ethics in Computer Vision
- TUTORIAL: Practical Adversarial Robustness in Deep Learning: Problems and Solutions
- TUTORIAL: Interpretable Machine Learning for Computer Vision
- TUTORIAL: When Image Analysis Meets Natural Language Processing: A Case Study in Radiology

Workshop

- 4th Multimodal Learning and Applications Workshop
- Workshop on Adversarial Machine Learning in Real-World Computer Vision Systems and Online Challenges
- IEEE CVPR 2020 Medical Computer Vision Workshop
- Dynamic Neural Networks Meets Computer Vision
- Responsible Computer Vision
- Future of Computer Vision Datasets
- Continual Learning in Computer Vision
- Beyond Fairness: Towards a Just, Equitable, and Accountable Computer Vision
- 6th IEEE Workshop on Computer Vision for Microscopy Image Analysis
- Unsupervised Artefact Removal in Histopathology Images

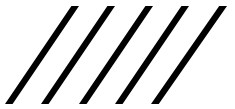
HOW TO WRITE AN ARTICLE FOR A TOP CONFERENCE?

What is important?

- Topic
- Innovativity
- Visualizations
- Code availability
- Evaluation
- Detailed description
- Importance of information
- Language quality

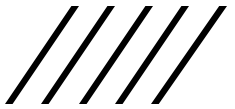
Current trends

- Pi-GAN: Periodic Implicit Generative Adversarial Networks for 3D-Aware Image Synthesis
- House-GAN++: Generative Adversarial Layout Refinement Network towards Intelligent Computational Agent for Professional Architects
- Ensembling With Deep Generative Views
- Towards Open World Object Detection



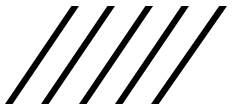
Upgrade

- Sparse R-CNN: End-to-End Object Detection With Learnable Proposals
- Black-Box Explanation of Object Detectors via Saliency Maps



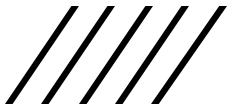
Rediscovery

- RepVGG: Making VGG-Style ConvNets Great Again
- A Fourier-Based Framework for Domain Generalization



Quite interesting

- Quality-Agnostic Image Recognition via Invertible Decoder
- On Feature Normalization and Data Augmentation



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Quick look at the paper

Sparse R-CNN: End-to-End Object Detection With Learnable Proposals

https://openaccess.thecvf.com/content/CVPR2021/html/Sun_Sparse_R-CNN_End-to-End_Object_Detection_With_Learnable_Proposals_CVPR_2021_paper.html

Trends in Computer Vision

- Adversarial attacks *
- Generative Adversarial Networks
- Autonomous vehicles
- Labels: open world, fine-grained or not, pseudo
- Multi-…
- One-…

Random links

- https://openaccess.thecvf.com/CVPR2021?day=all
- http://cvpr2021.thecvf.com/workshops-schedule
- http://cvpr2021.thecvf.com/program
- https://www.youtube.com/playlist?list=PL63iwU2QnEm00sOqtRt6kUBZH7tcm0x5g
- https://youtube.com/playlist?list=PLFFnmJXKA-xz6DRF3ZaftkRZS8bOaYzHR
- https://youtube.com/playlist?list=PLW7hfeqHGkJoRKCENo-1nFLKX84WEkEFa
- https://youtube.com/playlist?list=PLJpnn_3WISDZJYqj3kDHe4-XMkfJa_4xl