

Dr. Ioannis Kompatsiaris

Curriculum Vitae

List of 8346 citations

Last Update: March 2021

8346 citations (without self-citations)

Papers are listed in chronological order

G. Chantas, S. N. Nikolopoulos and I. Kompatsiaris, "Heavy-Tailed Self-Similarity Modeling for Single Image Super Resolution," in *IEEE Transactions on Image Processing*, vol. 30, pp. 838-852, 2021, doi: 10.1109/TIP.2020.3038521. **(1 citation)**.

1. Kumar, A., & Singh, H. V. (2021). Tchebichef Transform Domain-based Deep Learning Architecture for Image Super-resolution. arXiv preprint arXiv:2102.10640.

S. Andreadis, A. Moumtzidou, K. Apostolidis, K. Gkountakos, D. Galanopoulos, E. Michail, I. Gialampoukidis, S. Vrochidis, V. Mezaris, I. Kompatsiaris, "VERGE in VBS 2020", *Proc. 26th Int. Conf. on Multimedia Modeling (MMM2020)*, 5-8 January 2020, Daejeon Convention Center (DCC), Korea **(5 citations)**.

1. Lokoć, J., Souček, T., Veselý, P., Mejzlík, F., Ji, J., Xu, C., & Li, X. (2020, October). A W2VV++ case study with automated and interactive text-to-video retrieval. In *Proceedings of the 28th ACM International Conference on Multimedia* (pp. 2553-2561).
2. Mejzlík, F. (2020). Evaluace vyhledávacích modelů založených na klíčových slovech pro hledání známých scén.
3. Tran, V. L., Phan, T. D., Mai-Nguyen, A. V., Vo, A. K., Dao, M. S., & Zettsu, K. (2020). An interactive atomic-cluster watershed-based system for lifelog moment retrieval.
4. Rossetto, L., Bailer, W., & Bernstein, A. (2021, June). Considering Human Perception and Memory in Interactive Multimedia Retrieval Evaluations. In *International Conference on Multimedia Modeling* (pp. 605-616). Springer, Cham
5. Veselý, P., Mejzlík, F., & Lokoć, J. (2021, June). SOMHunter V2 at Video Browser Showdown 2021. In *International Conference on Multimedia Modeling* (pp. 461-466). Springer, Cham.

K. Gkountakos, K. Ioannidis, T. Tsikrika, S. Vrochidis, and I. Kompatsiaris. 2020. A Crowd Analysis Framework for Detecting Violence Scenes. In *Proceedings of the 2020 International Conference on Multimedia Retrieval (ICMR '20)*, June 8–11, 2020, Dublin, Ireland. (accepted for publication) **(3 citations)**.

1. Miti, C., Zatte, D., & Gondal, S. S. (2020). Tracking in Crowd is Challenging: Analyzing Crowd based on Physical Characteristics. arXiv preprint arXiv:2008.03614.
2. Siraj, M. (2020). Beyond Tracking in Crowd: Analyzing Crowd based on Physical Characteristics.
3. Souza, F. F. D. (2020). Detection of violent events in video sequences based on the census transform histogram operator: Detecção de eventos violentos em sequências de vídeos baseada no operador histograma da transformada census.

Ntoutsis E, Fafalios P, Gadiraju U, Iosifidis V, Nejdl W, Vidal ME, Ruggieri S, Turini F, Papadopoulos S, Krasanakis E, Kompatsiaris I. et al. "Bias in data-driven artificial intelligence systems—An introductory survey". *Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery*, 10(3), e1356. May 2020. **(31 citations)**

1. Alsharef, A. Text Analysis: A Novel Natural Language Processing (NLP) Approach for Toxicity Classification.
2. Barceló, P., Pérez, J., & Subercaseaux, B. Foundations of Languages for Interpretability and Bias Detection.

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4. Székely, J. (2019). Lawyers and the Machine. *Contemplating the Future of Litigation in the Age of AI. Acta Universitatis Sapientiae, Legal Studies*, 8(2), 231-244.
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11. Bitas, B. C., & Harjani, M. (2020). We Are All Stakeholders in an AI-supplemented World: Sino-US Rivalry and the Management of a Globally Transformative Technology. *China and the World*, 2050014.
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I. Paliokas, A.T. Patenidis, E. Mitsopoulou, C. Tsita, G. Pehlivanides, E. Karyati, S. Tsafaras, E.A. Stathopoulos, A. Kokkalas, S. Diplaris, G. Meditskos, S. Vrochidis, E. Tasiopoulou, C. Riggas, K. Votis, I. Kompatsiaris, D. Tzovaras "A Gamified Augmented Reality Application for Digital Heritage and Tourism", *Special Issue Extended Reality: From Theory to Applications*, 2020. **(2 citations)**

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2. Camossi, E., & De Rosa, F. Semantic-driven modelling of context and entity of interest profiles for maritime situation awareness.

T. G. Stavropoulos, A. Papastergiou, L. Mpaltadoros, S. Nikolopoulos, and I. Kompatsiaris, "IoT Wearable Sensors and Devices in Elderly Care: A Literature Review," *Sensors*, vol. 20, no. 10, p. 2826, May 2020 [Online]. Available: <http://dx.doi.org/10.3390/s20102826> **(12 citations)**

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K. Georgiadis, N. Laskaris, S. Nikolopoulos and I. (Y.) Kompatsiaris, Connectivity steered graph Fourier transform for motor imagery BCI decoding, *J Neural Eng.* 2019 May 16. DOI: 10.1088/1741-2552/ab21fd **(3 citations)**

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K. Georgiadis, N. Laskaris, S. Nikolopoulos, D. A. Adamos and I. Kompatsiaris, “Using Discriminative Lasso to Detect a Graph Fourier Transform (GFT) Subspace for robust decoding in Motor Imagery BCI,” *2019 41st Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC)*, Berlin, Germany, 2019, pp. 6167-6171. doi: 10.1109/EMBC.2019.8856973 **(2 citations)**

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Anastasia Ioannidou, Elisavet Chatzilari, Spiros Nikolopoulos, Ioannis Kompatsiaris, 3D ResNets for 3D Object Classification, in proceedings MultiMedia Modeling (MMM) 2019, Lecture Notes in Computer Science, vol 11295. Springer, Cham. **(1 citation)**.

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E. Kamateri, G. Meditskos, S. Symeonidis, S. Vrochidis, I. Kompatsiaris, W. Minker, "Knowledge-based Intelligence and Strategy Learning for Personalised Virtual Assistance in the Healthcare Domain", *Semantic Technologies for Healthcare and Accessibility Applications (SyMpATHY)*, special session in the 13th International Conference on Advances in Semantic Processing (SEMAPRO), 2019 **(1 citation)**

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