



Changsheng Xu

Professor, Institute of Automation, Chinese Academy of Sciences
Multimedia, Computer vision

Google Scholar

Citation indices

	All	Since 2012
Citations	9007	5442
h-index	50	38
i10-index	194	138

Title 1–20

[A mid-level representation framework for semantic sports video analysis](#)

LY Duan, M Xu, TS Chua, Q Tian, CS Xu

Proceedings of the eleventh ACM international conference on Multimedia, 33-44

239 2003

[A unified framework for semantic shot classification in sports video](#)

LY Duan, M Xu, Q Tian, CS Xu, JS Jin

IEEE Transactions on Multimedia 7 (6), 1066-1083

227 2005

[Trajectory-based ball detection and tracking with applications to semantic analysis of broadcast soccer video](#)

X Yu, C Xu, HW Leong, Q Tian, Q Tang, KW Wan

Proceedings of the eleventh ACM international conference on Multimedia, 11-20

189 2003

[Street-to-shop: Cross-scenario clothing retrieval via parts alignment and auxiliary set](#)

S Liu, Z Song, G Liu, C Xu, H Lu, S Yan

Computer Vision and Pattern Recognition (CVPR), 2012 IEEE Conference on ...

174 2012

[Automatic music classification and summarization](#)

C Xu, NC Maddage, X Shao

IEEE transactions on speech and audio processing 13 (3), 441-450

161 2005

[Creating audio keywords for event detection in soccer video](#)

M Xu, NC Maddage, C Xu, M Kankanhalli, Q Tian

Multimedia and Expo, 2003. ICME'03. Proceedings. 2003 International ...

161 2003

[Live sports event detection based on broadcast video and web-casting text](#)

C Xu, J Wang, K Wan, Y Li, L Duan

Proceedings of the 14th ACM international conference on multimedia, 221-230

153 2006

[Hi, magic closet, tell me what to wear!](#)

S Liu, J Feng, Z Song, T Zhang, H Lu, C Xu, S Yan

Proceedings of the 20th ACM international conference on Multimedia, 619-628

142 2012

Title	1–20	Cited by	Year
Content-based music structure analysis with applications to music semantics understanding	NC Maddage, C Xu, MS Kankanhalli, X Shao Proceedings of the 12th annual ACM international conference on Multimedia ...	140	2004
Using webcast text for semantic event detection in broadcast sports video	C Xu, YF Zhang, G Zhu, Y Rui, H Lu, Q Huang IEEE Transactions on Multimedia 10 (7), 1342-1355	139	2008
Musical genre classification using support vector machines	C Xu, NC Maddage, X Shao, F Cao, Q Tian Acoustics, Speech, and Signal Processing, 2003. Proceedings.(ICASSP'03 ...	138	2003
A novel framework for semantic annotation and personalized retrieval of sports video	C Xu, J Wang, H Lu, Y Zhang IEEE transactions on multimedia 10 (3), 421-436	129	2008
Image classification by non-negative sparse coding, low-rank and sparse decomposition	C Zhang, J Liu, Q Tian, C Xu, H Lu, S Ma Computer Vision and Pattern Recognition (CVPR), 2011 IEEE Conference on ...	128	2011
Applications of digital watermarking technology in audio signals	C Xu, J Wu, Q Sun, K Xin Journal of the Audio Engineering society 47 (10), 805-812	125	1999
Digital audio watermarking using content-adaptive, multiple echo hopping	C Xu, J Wu, Q Sun, K Xin, H Li US Patent 6,674,861	105	2004
Fast and robust short video clip search using an index structure	J Yuan, LY Duan, Q Tian, C Xu Proceedings of the 6th ACM SIGMM international workshop on Multimedia ...	103	2004
Trajectory based event tactics analysis in broadcast sports video	G Zhu, Q Huang, C Xu, Y Rui, S Jiang, W Gao, H Yao Proceedings of the 15th ACM international conference on Multimedia, 58-67	95	2007

Title	1–20	Cited by	Year
Self-taught dimensionality reduction on the high-dimensional small-sized data		94	2013
X Zhu, Z Huang, Y Yang, HT Shen, C Xu, J Luo Pattern Recognition 46 (1), 215-229			
Spectral hashing with semantically consistent graph for image indexing		93	2013
P Li, M Wang, J Cheng, C Xu, H Lu IEEE Transactions on Multimedia 15 (1), 141-152			
Method and system of digital watermarking for compressed audio		93	2000
C Xu US Patent App. 10/450,736			

Dates and citation counts are estimated and are determined automatically by a computer program.