

# Marco Bertini

## List of Publications by Year in descending order

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Version: 2024-02-01

129  
papers

2,564  
citations

361296

20  
h-index

315616

38  
g-index

134  
all docs

134  
docs citations

134  
times ranked

1836  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effective triplet mining improves training of multi-scale pooled CNN for image retrieval. Machine Vision and Applications, 2022, 33, 1.	1.7	3
2	Fast and effective AI approaches for video quality improvement. , 2022, , .		0
3	LANBIQUE: LANGUAGE-based Blind Image Quality Evaluation. ACM Transactions on Multimedia Computing, Communications and Applications, 2022, 18, 1-19.	3.0	0
4	A NoGAN approach for image and video restoration and compression artifact removal. , 2021, , .		6
5	Robust pedestrian detection in thermal imagery using synthesized images. , 2021, , .		10
6	Fast Video Visual Quality and Resolution Improvement using SR-UNet. , 2021, , .		5
7	Improving Video Quality with Generative Adversarial Networks. , 2021, , 293-314.		0
8	Language Based Image Quality Assessment. , 2021, , .		2
9	Preserving Low-Quality Video through Deep Learning. IOP Conference Series: Materials Science and Engineering, 2020, 949, 012068.	0.3	1
10	Image Retrieval using Multi-scale CNN Features Pooling. , 2020, , .		14
11	Task-Conditioned Domain Adaptation for Pedestrian Detection in Thermal Imagery. Lecture Notes in Computer Science, 2020, , 546-562.	1.0	30
12	Increasing Video Perceptual Quality with GANs and Semantic Coding. , 2020, , .		6
13	Image and Video Restoration and Compression Artefact Removal Using a NoGAN Approach. , 2020, , .		4
14	DeepPhysio. , 2019, , .		1
15	Deep Universal Generative Adversarial Compression Artifact Removal. IEEE Transactions on Multimedia, 2019, 21, 2131-2145.	5.2	63
16	Fast Video Quality Enhancement using GANs. , 2019, , .		10
17	Wearable systems for improving tourist experience. , 2019, , 171-197.		1
18	Domain Adaptation for Privacy-Preserving Pedestrian Detection in Thermal Imagery. Lecture Notes in Computer Science, 2019, , 203-213.	1.0	15

#	ARTICLE	IF	CITATIONS
19	Towards Real-Time Image Enhancement GANs. Lecture Notes in Computer Science, 2019, , 183-195.	1.0	9
20	Object Recognition and Tracking for Smart Audio Guides. Communications in Computer and Information Science, 2018, , 163-168.	0.4	1
21	Video Compression for Object Detection Algorithms. , 2018, , .		28
22	Evaluation of IoT and videosurveillance applications in a 5G Smart City: the Italian 5G experimentation in Prato. , 2018, , .		3
23	Socializing the Semantic Gap. ACM Computing Surveys, 2017, 49, 1-39.	16.1	110
24	Spatio-Temporal Closed-Loop Object Detection. IEEE Transactions on Image Processing, 2017, 26, 1253-1263.	6.0	30
25	Compact Hash Codes for Efficient Visual Descriptors Retrieval in Large Scale Databases. IEEE Transactions on Multimedia, 2017, 19, 2521-2532.	5.2	36
26	Deep Sentiment Features of Context and Faces for Affective Video Analysis. , 2017, , .		15
27	Deep Artwork Detection and Retrieval for Automatic Context-Aware Audio Guides. ACM Transactions on Multimedia Computing, Communications and Applications, 2017, 13, 1-21.	3.0	33
28	Deep Generative Adversarial Compression Artifact Removal. , 2017, , .		129
29	Reading Text in the Wild from Compressed Images. , 2017, , .		3
30	Bloom Filters and Compact Hash Codes for Efficient and Distributed Image Retrieval. , 2016, , .		3
31	Guest Editorial: Analysis and Retrieval of Events/Actions and Workflows in Video Streams. Multimedia Tools and Applications, 2016, 75, 14985-14990.	2.6	0
32	Real-time Wearable Computer Vision System for Improved Museum Experience. , 2016, , .		12
33	A multimodal feature learning approach for sentiment analysis of social network multimedia. Multimedia Tools and Applications, 2016, 75, 2507-2525.	2.6	72
34	Web Video Popularity Prediction using Sentiment and Content Visual Features. , 2016, , .		23
35	Item-Based Video Recommendation. , 2016, , .		10
36	Movie's Affect Communication Using Multisensory Modalities. , 2015, , .		5

#	ARTICLE	IF	CITATIONS
37	Fisher Encoded Convolutional Bag-of-Windows for Efficient Image Retrieval and Social Image Tagging. , 2015, , .		31
38	Affect Recognition in a Realistic Movie Dataset Using a Hierarchical Approach. , 2015, , .		2
39	A System for Video Recommendation using Visual Saliency, Crowdsourced and Automatic Annotations. , 2015, , .		4
40	SensITV. , 2015, , .		6
41	A data-driven approach for tag refinement and localization in web videos. Computer Vision and Image Understanding, 2015, 140, 58-67.	3.0	16
42	Image Popularity Prediction in Social Media Using Sentiment and Context Features. , 2015, , .		99
43	Compact hash codes and data structures for efficient mobile visual search. , 2015, , .		6
44	Data-driven approaches for social image and video tagging. Multimedia Tools and Applications, 2015, 74, 1443-1468.	2.6	21
45	Image Tag Assignment, Refinement and Retrieval. , 2015, , .		11
46	Loki+Lire. , 2014, , .		1
47	A Distributed System for Multimedia Monitoring, Publishing and Retrieval. Procedia Computer Science, 2014, 38, 100-107.	1.2	3
48	Social media annotation. , 2013, , .		7
49	Demo paper: Stamat: A framework for Social Topics and Media Analysis. , 2013, , .		2
50	Interactive multi-user video retrieval systems. Multimedia Tools and Applications, 2013, 62, 111-137.	2.6	2
51	A novel framework for collaborative video recommendation, interest discovery and friendship suggestion based on semantic profiling. , 2013, , .		4
52	euTV. , 2013, , .		1
53	Socially-aware video recommendation using users' profiles and crowdsourced annotations. , 2013, , .		7
54	An evaluation of nearest-neighbor methods for tag refinement. , 2013, , .		11

#	ARTICLE	IF	CITATIONS
55	Recognizing Human Actions by Using Effective Codebooks and Tracking. , 2013, , 65-93.		1
56	Social and automatic annotation of videos for semantic profiling and content discovery. , 2012, , .		0
57	A social network for video annotation and discovery based on semantic profiling. , 2012, , .		4
58	Scene and crowd behaviour analysis with local space-time descriptors. , 2012, , .		7
59	Effective Codebooks for Human Action Representation and Classification in Unconstrained Videos. IEEE Transactions on Multimedia, 2012, 14, 1234-1245.	5.2	39
60	Multimedia and semantic technologies for future computing environments. Multimedia Tools and Applications, 2012, 61, 1-6.	2.6	7
61	Multi-scale and real-time non-parametric approach for anomaly detection and localization. Computer Vision and Image Understanding, 2012, 116, 320-329.	3.0	128
62	Adaptive Video Compression for Video Surveillance Applications. , 2011, , .		14
63	Interactive video search and browsing systems. , 2011, , .		1
64	Event detection and recognition for semantic annotation of video. Multimedia Tools and Applications, 2011, 51, 279-302.	2.6	122
65	Enriching and localizing semantic tags in internet videos. , 2011, , .		17
66	A flexible environment for multimedia management and publishing. , 2011, , .		1
67	A web system for ontology-based multimedia annotation, browsing and search. , 2011, , .		1
68	Futuretech 2010- MUST 2010 Welcome Message from the Workshop Organizers. , 2010, , .		0
69	Tag suggestion and localization in user-generated videos based on social knowledge. , 2010, , .		31
70	Semantic annotation of soccer videos by visual instance clustering and spatial/temporal reasoning in ontologies. Multimedia Tools and Applications, 2010, 48, 313-337.	2.6	28
71	Video event classification using string kernels. Multimedia Tools and Applications, 2010, 48, 69-87.	2.6	37
72	Non-parametric anomaly detection exploiting space-time features. , 2010, , .		4

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73	Dense spatio-temporal features for non-parametric anomaly detection and localization. , 2010, , .		13
74	Sirio, orione and pan. , 2010, , .		9
75	Web-based semantic browsing of video collections using multimedia ontologies. , 2010, , .		4
76	Video Annotation and Retrieval Using Ontologies and Rule Learning. IEEE MultiMedia, 2010, 17, 80-88.	1.5	50
77	Recognizing human actions by fusing spatio-temporal appearance and motion descriptors. , 2009, , .		26
78	Sirio. , 2009, , .		3
79	Arneb. , 2009, , .		3
80	Effective Codebooks for human action categorization. , 2009, , .		26
81	Action Categorization in Soccer Videos Using String Kernels. , 2009, , .		5
82	Dynamic Pictorially Enriched Ontologies for Digital Video Libraries. IEEE MultiMedia, 2009, 16, 42-51.	1.5	31
83	Deep networks for audio event classification in soccer videos. , 2009, , .		15
84	Video Event Classification Using Bag of Words and String Kernels. Lecture Notes in Computer Science, 2009, , 170-178.	1.0	8
85	Automatic trademark detection and recognition in sport videos. , 2008, , .		10
86	A system for automatic detection and recognition of advertising trademarks in sports videos. , 2008, , .		12
87	Learning ontology rules for semantic video annotation. , 2008, , .		18
88	Learning Rules for Semantic Video Event Annotation. Lecture Notes in Computer Science, 2008, , 192-203.	1.0	3
89	Soccer players identification based on visual local features. , 2007, , .		23
90	Dynamic pictorial ontologies for video digital libraries annotation. , 2007, , .		15

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91	Trademark matching and retrieval in sports video databases. , 2007, , .		47
92	Sports Video Annotation Using Enhanced HSV Histograms in Multimedia Ontologies. , 2007, , .		5
93	Soccer Video Annotation Using Ontologies Extended with Visual Prototypes. , 2007, , .		6
94	Multimedia enriched ontologies for video digital libraries. International Journal of Parallel, Emergent and Distributed Systems, 2007, 22, 407-416.	0.7	2
95	Semantic annotation and retrieval of video events using multimedia ontologies. , 2007, , .		26
96	Content-Based Retrieval of 3-D Objects Using Spin Image Signatures. IEEE Transactions on Multimedia, 2007, 9, 589-599.	5.2	76
97	Multimedia Ontology Based Computational Framework for Video Annotation and Retrieval. Lecture Notes in Computer Science, 2007, , 18-23.	1.0	2
98	Automatic Detection and Recognition of Players in Soccer Videos. Lecture Notes in Computer Science, 2007, , 105-116.	1.0	5
99	Matching Faces with Textual Cues in Soccer Videos. , 2006, , .		5
100	Semantic adaptation of sport videos with user-centred performance analysis. IEEE Transactions on Multimedia, 2006, 8, 433-443.	5.2	24
101	Automatic annotation and semantic retrieval of video sequences using multimedia ontologies. , 2006, , .		14
102	PEANO. , 2006, , .		3
103	MOM. , 2006, , .		8
104	Automatic detection of player's identity in soccer videos using faces and text cues. , 2006, , .		11
105	Video Clip Matching Using MPEG-7 Descriptors and Edit Distance. Lecture Notes in Computer Science, 2006, , 133-142.	1.0	47
106	Using Knowledge Representation Languages for Video Annotation and Retrieval. Lecture Notes in Computer Science, 2006, , 634-646.	1.0	0
107	An Integrated Framework for Semantic Annotation and Adaptation. Multimedia Tools and Applications, 2005, 26, 345-363.	2.6	9
108	Common Visual Cues for Sports Highlights Modeling. Multimedia Tools and Applications, 2005, 27, 215-218.	2.6	8

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109	Automatic video annotation using ontologies extended with visual information. , 2005, , .		26
110	Enhanced ontologies for video annotation and retrieval. , 2005, , .		17
111	Player identification in soccer videos. , 2005, , .		17
112	Automatic Annotation of Sport Video Content. Lecture Notes in Computer Science, 2005, , 1066-1078.	1.0	7
113	Semantic video adaptation based on automatic annotation of sport videos. , 2004, , .		9
114	Highlights modeling and detection in sports videos. Pattern Analysis and Applications, 2004, 7, 411-421.	3.1	11
115	Object-based and event-based semantic video adaptation. , 2004, , .		3
116	Semantic annotation of soccer videos: automatic highlights identification. Computer Vision and Image Understanding, 2003, 92, 285-305.	3.0	194
117	Object and event detection for semantic annotation and transcoding. , 2003, , .		5
118	<title>Semantic annotation for live and posterity logging of video documents</title>. , 2003, , .		1
119	Annotation and Retrieval of Structured Video Documents. Lecture Notes in Computer Science, 2003, , 12-25.	1.0	3
120	Semantic Annotation and Indexing of News and Sports Videos. Lecture Notes in Computer Science, 2002, , 115-131.	1.0	0
121	Semantic annotation of sports videos. IEEE MultiMedia, 2002, 9, 52-60.	1.5	126
122	Indexing for reuse of TV news shots. Pattern Recognition, 2002, 35, 581-591.	5.1	5
123	Automatic caption localization in videos using salient points. , 2001, , .		16
124	Content-based indexing and retrieval of TV news. Pattern Recognition Letters, 2001, 22, 503-516.	2.6	57
125	Detection and recognition of football highlights using HMM. , 0, , .		4
126	Soccer highlights detection and recognition using HMMs. , 0, , .		89



#	ARTICLE	IF	CITATIONS
127	Annotation and retrieval of video documents: sports videos. , 0, , .		0
128	Highlight extraction in soccer videos. , 0, , .		0
129	Video Annotation with Pictorially Enriched Ontologies. , 0, , .		18