

# Hervé Jégou

## List of Publications by Year in descending order

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43  
papers

9,225  
citations

471061

17  
h-index

676716

22  
g-index

43  
all docs

43  
docs citations

43  
times ranked

4711  
citing authors

#	ARTICLE	IF	CITATIONS
1	Billion-Scale Similarity Search with GPUs. IEEE Transactions on Big Data, 2021, 7, 535-547.	4.4	812
2	Link and Code: Fast Indexing with Graphs and Compact Regression Codes. , 2018, , .		18
3	[Invited Paper] A Survey of Product Quantization. ITE Transactions on Media Technology and Applications, 2018, 6, 2-10.	0.3	20
4	Tubelets: Unsupervised Action Proposals from Spatiotemporal Super-Voxels. International Journal of Computer Vision, 2017, 124, 287-311.	10.9	15
5	Improved Motion Description for Action Classification. Frontiers in ICT, 2016, 2, .	3.6	4
6	Polysemous Codes. Lecture Notes in Computer Science, 2016, , 785-801.	1.0	30
7	Image Search with Selective Match Kernels: Aggregation Across Single and Multiple Images. International Journal of Computer Vision, 2016, 116, 247-261.	10.9	95
8	Circulant Temporal Encoding for Video Retrieval and Temporal Alignment. International Journal of Computer Vision, 2016, 119, 291-306.	10.9	23
9	Approximate Search with Quantized Sparse Representations. Lecture Notes in Computer Science, 2016, , 681-696.	1.0	9
10	Early burst detection for memory-efficient image retrieval. , 2015, , .		10
11	Explicit Embeddings for Nearest Neighbor Search with Mercer Kernels. Journal of Mathematical Imaging and Vision, 2015, 52, 459-468.	0.8	18
12	Rotation and translation covariant match kernels for image retrieval. Computer Vision and Image Understanding, 2015, 140, 9-20.	3.0	8
13	Memory Vectors for Particular Object Retrieval with Multiple Queries. , 2015, , .		5
14	Multiple Measurements and Joint Dimensionality Reduction for Large Scale Image Search with Short Vectors. , 2015, , .		19
15	Temporal Matching Kernel with Explicit Feature Maps. , 2015, , .		25
16	Instance classification with prototype selection. , 2014, , .		11
17	A Group Testing Framework for Similarity Search in High-dimensional Spaces. , 2014, , .		16
18	The Yael Library. , 2014, , .		15

#	ARTICLE	IF	CITATIONS
19	Beyond project and sign for cosine estimation with binary codes. , 2014, , .		2
20	Orientation Covariant Aggregation of Local Descriptors with Embeddings. Lecture Notes in Computer Science, 2014, , 382-397.	1.0	27
21	Revisiting the Fisher vector for fine-grained classification. Pattern Recognition Letters, 2014, 49, 92-98.	2.6	93
22	Visual query expansion with or without geometry: Refining local descriptors by feature aggregation. Pattern Recognition, 2014, 47, 3466-3476.	5.1	83
23	Fast and secure similarity search in high dimensional space. , 2013, , .		7
24	Revisiting the VLAD image representation. , 2013, , .		165
25	Stable Hyper-pooling and Query Expansion for Event Detection. , 2013, , .		21
26	Better Exploiting Motion for Better Action Recognition. , 2013, , .		280
27	Sim-min-hash. , 2013, , .		15
28	To Aggregate or Not to aggregate: Selective Match Kernels for Image Search. , 2013, , .		138
29	Anti-sparse coding for approximate nearest neighbor search. , 2012, , .		42
30	BABAZ: A large scale audio search system for video copy detection. , 2012, , .		15
31	Aggregating Local Image Descriptors into Compact Codes. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2012, 34, 1704-1716.	9.7	1,196
32	Negative Evidences and Co-occurrences in Image Retrieval: The Benefit of PCA and Whitening. Lecture Notes in Computer Science, 2012, , 774-787.	1.0	179
33	Efficient Mining of Repetitions in Large-Scale TV Streams with Product Quantization Hashing. Lecture Notes in Computer Science, 2012, , 271-280.	1.0	5
34	Balancing clusters to reduce response time variability in large scale image search. , 2011, , .		10
35	Product Quantization for Nearest Neighbor Search. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2011, 33, 117-128.	9.7	1,683
36	Locality sensitive hashing: A comparison of hash function types and querying mechanisms. Pattern Recognition Letters, 2010, 31, 1348-1358.	2.6	223

#	ARTICLE	IF	CITATIONS
37	Improving Bag-of-Features for Large Scale Image Search. International Journal of Computer Vision, 2010, 87, 316-336.	10.9	621
38	Aggregating local descriptors into a compact image representation. , 2010, , .		1,728
39	Compact Video Description for Copy Detection with Precise Temporal Alignment. Lecture Notes in Computer Science, 2010, , 522-535.	1.0	28
40	Evaluation of GIST descriptors for web-scale image search. , 2009, , .		265
41	Query adaptative locality sensitive hashing. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .	1.8	35
42	Hamming Embedding and Weak Geometric Consistency for Large Scale Image Search. Lecture Notes in Computer Science, 2008, , 304-317.	1.0	1,038
43	A contextual dissimilarity measure for accurate and efficient image search. , 2007, , .		173