Horace H S Ip

List of Publications by Year
in descending order

41 papers	673 citations	759055 12 h-index	552653 26 g-index
41 all docs	41 docs citations	41 times ranked	631 citing authors

#	Article	IF	Citations
1	Computer-assisted three-dimensional surgical planning and simulation: 3D virtual osteotomy. International Journal of Oral and Maxillofacial Surgery, 2000, 29, 11-17.	0.7	187
2	Zeroing Polynomials Using Modified Constrained Neural Network Approach. IEEE Transactions on Neural Networks, 2005, 16, 721-732.	4.8	92
3	Histological image retrieval based on semantic content analysis. IEEE Transactions on Information Technology in Biomedicine, 2003, 7, 26-36.	3.6	67
4	Computer-assisted three-dimensional surgical planning and simulation. 3D soft tissue planning and prediction. International Journal of Oral and Maxillofacial Surgery, 2000, 29, 250-258.	0.7	65
5	Constrained Spectral Clustering via Exhaustive and Efficient Constraint Propagation. Lecture Notes in Computer Science, 2010, , 1-14.	1.0	44
6	Semantic content analysis and annotation of histological images. Computers in Biology and Medicine, 2008, 38, 635-649.	3.9	35
7	Reconstruction and representation of caudal vasculature of zebrafish embryo from confocal scanning laser fluorescence microscopic images. Computers in Biology and Medicine, 2005, 35, 915-931.	3.9	19
8	Developing advanced fingerprint attacks on challenge-based collaborative intrusion detection networks. Cluster Computing, 2018, 21, 299-310.	3.5	15
9	Automatic Semantic Annotation of Images using Spatial Hidden Markov Model. , 2006, , .		14
10	Low rank approximation with sparse integration of multiple manifolds for data representation. Applied Intelligence, 2015, 42, 430-446.	3.3	13
11	Incremental Kernel Ridge Regression for the Prediction of Soft Tissue Deformations. Lecture Notes in Computer Science, 2012, 15, 99-106.	1.0	13
12	Spatial Markov Kernels for Image Categorization and Annotation. IEEE Transactions on Systems, Man, and Cybernetics, 2011, 41, 976-989.	5.5	12
13	Prediction of soft tissue deformations after CMF surgery with incremental kernel ridge regression. Computers in Biology and Medicine, 2016, 75, 1-9.	3.9	12
14	A relational-tubular (ReTu) deformable model for vasculature quantification of zebrafish embryo from microangiography image series. Computerized Medical Imaging and Graphics, 2004, 28, 333-344.	3.5	10
15	Local similarity learning for pairwise constraint propagation. Multimedia Tools and Applications, 2015, 74, 3739-3758.	2.6	10
16	ON THE DETECTION OF PARALLEL CURVES: MODELS AND REPRESENTATIONS. International Journal of Pattern Recognition and Artificial Intelligence, 1996, 10, 813-827.	0.7	7
17	Image Categorization Based on a Hierarchical Spatial Markov Model. Lecture Notes in Computer Science, 2009, , 766-773.	1.0	6
18	Generalized Relevance Models for Automatic Image Annotation. Lecture Notes in Computer Science, 2009, , 245-255.	1.0	6

#	Article	IF	Citations
19	Image classification and annotation based on robust regularized coding. Signal, Image and Video Processing, 2016, 10, 55-64.	1.7	5
20	<title>System architecture for integrating semantic and iconic content for intelligent browsing of medical images</title>. , 1998, , .		4
21	A statistical assembled deformable model (SAMTUS) for vasculature reconstruction. Computers in Biology and Medicine, 2009, 39, 489-500.	3.9	4
22	Iterative Semi-Supervised Sparse Coding Model for Image Classification. Journal of Signal Processing Systems, 2015, 81, 99-110.	1.4	4
23	An Integration of Statistical Deformable Model and Finite Element Method for Bone-Related Soft Tissue Prediction in Orthognathic Surgery Planning. Lecture Notes in Computer Science, 2008, , 31-39.	1.0	4
24	Efficient extraction of metric measurements for planar scene under 2D homography with the help of planar circles. Machine Vision and Applications, 2006, 17, 139-146.	1.7	3
25	Using surface variability characteristics for segmentation of deformable 3D objects with application to piecewise statistical deformable model. Visual Computer, 2012, 28, 493-509.	2.5	3
26	On the Choices of the Parameters in General Constrained Learning Algorithms. Lecture Notes in Computer Science, 2003, , 967-974.	1.0	3
27	Epipolar plane space subdivision method in stereoscopic ray tracing. Visual Computer, 1997, 13, 247-264.	2.5	2
28	Developing an object-oriented framework for content-based image retrieval. Software - Practice and Experience, 2003, 33, 523-565.	2.5	2
29	Transformation of Compressed Domain Features for Content-Based Image Indexing and Retrieval. Multimedia Tools and Applications, 2005, 26, 5-26.	2.6	2
30	Automatic synthesis of image details based on multiresolution coherence. Visual Computer, 1998, 13, 412-423.	2.5	1
31	Hierarchical multi-classifier system design based on evolutionary computation technique. Multimedia Tools and Applications, 2007, 33, 91-108.	2.6	1
32	Combining multiple spatial hidden Markov models in image semantic classification and annotation. , 2008, , .		1
33	Mr-SDM: a novel statistical deformable model for object deformation. Visual Computer, 2009, 25, 609-616.	2.5	1
34	3D object retrieval based on visual keywords using Relative Angle Context Distribution. , 2009, , .		1
35	Automatic Image Annotation Based on Generalized Relevance Models. Journal of Signal Processing Systems, 2011, 65, 23-33.	1.4	1
36	CRESDA: The Possibility to Personalize Professional Development for Computer Science Students. , 2019, , .		1

#	Article	IF	Citations
37	CRESDA: towards a personalized student advisory for professional development. Interactive Learning Environments, 2021, 29, 329-342.	4.4	1
38	Statistical Piecewise Assembled Model (SPAM) for the Representation of Highly Deformable Medical Organs. Lecture Notes in Computer Science, 2008, , 168-176.	1.0	1
39	InSPAL: A Novel Immersive Virtual Learning Programme. Studies in Health Technology and Informatics, 2015, 219, 129-34.	0.2	1
40	Application of evolutionary strategies for 3D graphical model categorization and retrieval. Multimedia Systems, 2005, 10, 422-431.	3.0	0
41	Developing a Central Repository for Capturing Extracurricular Activities and Achievements Associated with Learning Outcomes. , 2016, , .		0