Georg Langs

List of Publications by Year in Descending Order

176 papers	5,292 citations	33 h-index	69 g-index
192 ext. papers	7,709 ext. citations	5.3 avg, IF	6.05 L-index

#	Paper	IF	Citations
176	The Digital Brain Tumour Atlas, an open histopathology resource.. *Scientific Data*, **2022**, 9, 55	8.2	
175	Imaging visuospatial memory in temporal lobe epilepsy-Results of an fMRI study.. *PLoS ONE*, **2022**, 17, e0264349	3.7	
174	Motion correction and volumetric reconstruction for fetal functional magnetic resonance imaging data.. *NeuroImage*, **2022**, 255, 119213	7.9	0
173	Disentangling cortical functional connectivity strength and topography reveals divergent roles of genes and environment. *NeuroImage*, **2021**, 247, 118770	7.9	2
172	The Prenatal Origins of Human Brain Asymmetry: Lessons Learned from a Cohort of Fetuses with Body Lateralization Defects. *Cerebral Cortex*, **2021**, 31, 3713-3722	5.1	2
171	Radiomics score predicts acute respiratory distress syndrome based on the initial CT scan after trauma. *European Radiology*, **2021**, 31, 5443-5453	8	1
170	The Prenatal Morphomechanic Impact of Agenesis of the Corpus Callosum on Human Brain Structure and Asymmetry. *Cerebral Cortex*, **2021**, 31, 4024-4037	5.1	1
169	Brainhack: Developing a culture of open, inclusive, community-driven neuroscience. *Neuron*, **2021**, 109, 1769-1775	13.9	10
168	Variability of computed tomography radiomics features of fibrosing interstitial lung disease: A test-retest study. *Methods*, **2021**, 188, 98-104	4.6	6
167	How does Radiomics actually work? - Review. *RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren*, **2021**, 193, 652-657	2.3	1
166	The role of the corpus callosum in language network connectivity in children. *Developmental Science*, **2021**, 24, e13031	4.5	6
165	Continual Active Learning for Efficient Adaptation of Machine Learning Models to Changing Image Acquisition. *Lecture Notes in Computer Science*, **2021**, 649-660	0.9	3
164	Evaluation of the Temporal Muscle Thickness as an Independent Prognostic Biomarker in Patients with Primary Central Nervous System Lymphoma. *Cancers*, **2021**, 13,	6.6	4
163	Analyzing Longitudinal wb-MRI Data and Clinical Course in a Cohort of Former Smoldering Multiple Myeloma Patients: Connections between MRI Findings and Clinical Progression Patterns. *Cancers*, **2021**, 13,	6.6	2
162	The impact of hippocampal impairment on task-positive and task-negative language networks in temporal lobe epilepsy. *Clinical Neurophysiology*, **2021**, 132, 404-411	4.3	1
161	Dynamic memory to alleviate catastrophic forgetting in continual learning with medical imaging. *Nature Communications*, **2021**, 12, 5678	17.4	6
160	Effect of corpus callosum agenesis on the language network in children and adolescents. *Brain Structure and Function*, **2021**, 226, 701-713	4	3

159	Prospects and Challenges of Radiomics by Using Nononcologic Routine Chest CT. *Radiology: Cardiothoracic Imaging*, **2020**, 2, e190190	8.3	5
158	The Subplate Layers: The Superficial and Deep Subplate Can be Discriminated on 3 Tesla Human Fetal Postmortem MRI. *Cerebral Cortex*, **2020**, 30, 5038-5048	5.1	4
157	BrainSpace: a toolbox for the analysis of macroscale gradients in neuroimaging and connectomics datasets. *Communications Biology*, **2020**, 3, 103	6.7	63
156	Multi-Habitat Radiomics Unravels Distinct Phenotypic Subtypes of Glioblastoma with Clinical and Genomic Significance. *Cancers*, **2020**, 12,	6.6	6
155	Introduction to Radiomics. *Journal of Nuclear Medicine*, **2020**, 61, 488-495	8.9	167
154	Deep learning detection and quantification of pneumothorax in heterogeneous routine chest computed tomography. *European Radiology Experimental*, **2020**, 4, 26	4.5	7
153	Automatic lung segmentation in routine imaging is primarily a data diversity problem, not a methodology problem. *European Radiology Experimental*, **2020**, 4, 50	4.5	104
152	Computer-Assisted Quantification. *Medical Radiology*, **2020**, 75-101	0.2	
151	Dynamic Memory to Alleviate Catastrophic Forgetting in Continuous Learning Settings. *Lecture Notes in Computer Science*, **2020**, 359-368	0.9	7
150	Lesion-Specific Language Network Alterations in Temporal Lobe Epilepsy. *American Journal of Neuroradiology*, **2020**, 41, 147-154	4.4	5
149	. *American Journal of Neuroradiology*, **2020**, 41, E47-E48	4.4	
148	Joint embedding: A scalable alignment to compare individuals in a connectivity space. *NeuroImage*, **2020**, 222, 117232	7.9	7
147	Diagnostic classification of autism using resting-state fMRI data improves with full correlation functional brain connectivity compared to partial correlation. *Journal of Neuroscience Methods*, **2020**, 345, 108884	3	8
146	The effects of skin lesion segmentation on the performance of dermatoscopic image classification. *Computer Methods and Programs in Biomedicine*, **2020**, 197, 105725	6.9	22
145	Cross-species functional alignment reveals evolutionary hierarchy within the connectome. *NeuroImage*, **2020**, 223, 117346	7.9	44
144	Distributed changes of the functional connectome in patients with glioblastoma. *Scientific Reports*, **2020**, 10, 18312	4.9	6
143	Continuous Learning AI in Radiology: Implementation Principles and Early Applications. *Radiology*, **2020**, 297, 6-14	20.5	32
142	Spatial Distribution of Focal Lesions in Whole-Body MRI and Influence of MRI Protocol on Staging in Patients with Smoldering Multiple Myeloma According to the New SLiM-CRAB-Criteria. *Cancers*, **2020**, 12,	6.6	3

141	Language network reorganization before and after temporal lobe epilepsy surgery. *Journal of Neurosurgery*, **2020**, 134, 1694-1702	3.2	3
140	Keypoint Transfer for Fast Whole-Body Segmentation. *IEEE Transactions on Medical Imaging*, **2020**, 39, 273-282	11.7	3
139	Exploiting Epistemic Uncertainty of Anatomy Segmentation for Anomaly Detection in Retinal OCT. *IEEE Transactions on Medical Imaging*, **2020**, 39, 87-98	11.7	35
138	Automatic segmentation and classification of breast lesions through identification of informative multiparametric PET/MRI features. *European Radiology Experimental*, **2019**, 3, 18	4.5	13
137	f-AnoGAN: Fast unsupervised anomaly detection with generative adversarial networks. *Medical Image Analysis*, **2019**, 54, 30-44	15.4	288
136	Performing group-level functional image analyses based on homologous functional regions mapped in individuals. *PLoS Biology*, **2019**, 17, e2007032	9.7	40
135	Causability and explainability of artificial intelligence in medicine. *Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery*, **2019**, 9, e1312	6.9	311
134	Using Cyclegans for Effectively Reducing Image Variability Across OCT Devices and Improving Retinal Fluid Segmentation **2019**,		6
133	Towards quantitative imaging biomarkers of tumor dissemination: A multi-scale parametric modeling of multiple myeloma. *Medical Image Analysis*, **2019**, 57, 214-225	15.4	4
132	Stent-graft surface movement after endovascular aneurysm repair: baseline parameters for prediction, and association with migration and stent-graft-related endoleaks. *European Radiology*, **2019**, 29, 6385-6395	8	6
131	Reproducibility of Functional Connectivity Estimates in Motion Corrected Fetal fMRI. *Lecture Notes in Computer Science*, **2019**, 123-132	0.9	1
130	Atypical language representation is unfavorable for language abilities following childhood stroke. *European Journal of Paediatric Neurology*, **2019**, 23, 102-116	3.8	10
129	Machine Learning to Analyze the Prognostic Value of Current Imaging Biomarkers in Neovascular Age-Related Macular Degeneration. *Ophthalmology Retina*, **2018**, 2, 24-30	3.8	81
128	Tracing the structural origins of atypical language representation: consequences of prenatal mirror-imaged brain asymmetries in a dizygotic twin couple. *Brain Structure and Function*, **2018**, 223, 3757-3767	4	4
127	The DNA methylation landscape of glioblastoma disease progression shows extensive heterogeneity in time and space. *Nature Medicine*, **2018**, 24, 1611-1624	50.5	124
126	Volumetry based biomarker speed of growth: Quantifying the change of total tumor volume in whole-body magnetic resonance imaging over time improves risk stratification of smoldering multiple myeloma patients. *Oncotarget*, **2018**, 9, 25254-25264	3.3	8
125	Fully Automated Detection and Quantification of Macular Fluid in OCT Using Deep Learning. *Ophthalmology*, **2018**, 125, 549-558	7.3	223
124	COMP-12. TOWARDS BIG DATA IN DIGITAL NEUROPATHOLOGY WITH THE DIGITAL BRAIN TUMOR ATLAS. *Neuro-Oncology*, **2018**, 20, vi66-vi66	1	78

123	WGAN Latent Space Embeddings for Blast Identification in Childhood Acute Myeloid Leukaemia **2018**,		2
122	Diffeomorphic functional brain surface alignment: Functional demons. *NeuroImage*, **2017**, 156, 456-465	7.9	30
121	Predicting Macular Edema Recurrence from Spatio-Temporal Signatures in Optical Coherence Tomography Images. *IEEE Transactions on Medical Imaging*, **2017**, 36, 1773-1783	11.7	31
120	Computational image analysis for prognosis determination in DME. *Vision Research*, **2017**, 139, 204-210	2.1	27
119	Ethical and Privacy Aspects of Using Medical Image Data **2017**, 33-43		1
118	Analysis of the three-dimensional anatomical variance of the distal radius using 3D shape models. *BMC Medical Imaging*, **2017**, 17, 23	2.9	9
117	Application of BI-RADS Descriptors in Contrast-Enhanced Dual-Energy Mammography: Comparison with MRI. *Breast Care*, **2017**, 12, 212-216	2.4	23
116	Prediction of Anti-VEGF Treatment Requirements in Neovascular AMD Using a Machine Learning Approach **2017**, 58, 3240-3248		85
115	Mens inversus in corpore inverso? Language lateralization in a boy with situs inversus totalis. *Brain and Language*, **2017**, 174, 9-15	2.9	9
114	Segmentation of Skeleton and Organs in Whole-Body CT Images via Iterative Trilateration. *IEEE Transactions on Medical Imaging*, **2017**, 36, 2276-2286	11.7	7
113	Analyzing and Predicting Visual Acuity Outcomes of Anti-VEGF Therapy by a Longitudinal Mixed Effects Model of Imaging and Clinical Data **2017**, 58, 4173-4181		23
112	Annotating Medical Image Data **2017**, 45-67		3
111	Datasets Created in VISCERAL **2017**, 69-84		2
110	Unsupervised Anomaly Detection with Generative Adversarial Networks to Guide Marker Discovery. *Lecture Notes in Computer Science*, **2017**, 146-157	0.9	525
109	Retrieval of Medical Cases for Diagnostic Decisions: VISCERAL Retrieval Benchmark **2017**, 127-141		
108	Mapping Multi-Modal Routine Imaging Data to a Single Reference via Multiple Templates. *Lecture Notes in Computer Science*, **2017**, 341-348	0.9	
107	Assessing Reorganisation of Functional Connectivity in the Infant Brain. *Lecture Notes in Computer Science*, **2017**, 14-24	0.9	
106	Multivariate Manifold Modelling of Functional Connectivity in Developing Language Networks. *Lecture Notes in Computer Science*, **2017**, 311-322	0.9	

105	Identifying Shared Brain Networks in Individuals by Decoupling Functional and Anatomical Variability. *Cerebral Cortex*, **2016**, 26, 4004-14	5.1	54
104	Situating the default-mode network along a principal gradient of macroscale cortical organization. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 12574-12579	11.5	706
103	Unsupervised Identification of Clinically Relevant Clusters in Routine Imaging Data. *Lecture Notes in Computer Science*, **2016**, 192-200	0.9	6
102	Cloud-Based Evaluation of Anatomical Structure Segmentation and Landmark Detection Algorithms: VISCERAL Anatomy Benchmarks. *IEEE Transactions on Medical Imaging*, **2016**, 35, 2459-2475	11.7	89
101	Correlation of 3-Dimensionally Quantified Intraretinal and Subretinal Fluid With Visual Acuity in Neovascular Age-Related Macular Degeneration. *JAMA Ophthalmology*, **2016**, 134, 182-90	3.9	60
100	Contrast-enhanced dual energy mammography with a novel anode/filter combination and artifact reduction: a feasibility study. *European Radiology*, **2016**, 26, 1575-81	8	16
99	Creating a Large-Scale Silver Corpus from Multiple Algorithmic Segmentations. *Lecture Notes in Computer Science*, **2016**, 103-115	0.9	7
98	Modeling Fetal Cortical Expansion Using Graph-Regularized Gompertz Models. *Lecture Notes in Computer Science*, **2016**, 247-254	0.9	3
97	Overview of the 2015 Workshop on Medical Computer Vision Algorithms for Big Data (MCV 2015). *Lecture Notes in Computer Science*, **2016**, 3-9	0.9	
96	Automated Fovea Detection in Spectral Domain Optical Coherence Tomography Scans of Exudative Macular Disease. *International Journal of Biomedical Imaging*, **2016**, 2016, 7468953	5.2	10
95	Multivendor Spectral-Domain Optical Coherence Tomography Dataset, Observer Annotation Performance Evaluation, and Standardized Evaluation Framework for Intraretinal Cystoid Fluid Segmentation. *Journal of Ophthalmology*, **2016**, 2016, 3898750	2	10
94	Improve synthetic retinal OCT images with present of pathologies and textural information **2016**,		1
93	Functional Imaging of the Prenatal Brain **2016**, 429-437		1
92	User-oriented evaluation of a medical image retrieval system for radiologists. *International Journal of Medical Informatics*, **2015**, 84, 774-83	5.3	14
91	Disrupted developmental organization of the structural connectome in fetuses with corpus callosum agenesis. *NeuroImage*, **2015**, 111, 277-88	7.9	50
90	Introduction of an automated user-independent quantitative volumetric magnetic resonance imaging breast density measurement system using the Dixon sequence: comparison with mammographic breast density assessment. *Investigative Radiology*, **2015**, 50, 73-80	10.1	26
89	Predicting Activation Across Individuals with Resting-State Functional Connectivity Based Multi-Atlas Label Fusion. *Lecture Notes in Computer Science*, **2015**, 9350, 313-320	0.9	28
88	Rotation invariant eigenvessels and auto-context for retinal vessel detection **2015**,		1

87	Stent graft surface movement after infrarenal abdominal aortic aneurysm repair: comparison of patients with and without a type 2 endoleak. *European Journal of Vascular and Endovascular Surgery* , **2015**, 50, 181-8	2.3	6
86	Parcellating cortical functional networks in individuals. *Nature Neuroscience*, **2015**, 18, 1853-60	25.5	278
85	Validation of In utero Tractography of Human Fetal Commissural and Internal Capsule Fibers with Histological Structure Tensor Analysis. *Frontiers in Neuroanatomy*, **2015**, 9, 164	3.6	26
84	High-resolution peripheral quantitative CT imaging: Cortical porosity, poor trabecular bone microarchitecture, and low bone strength in lung transplant recipients. *Radiology*, **2015**, 274, 473-81	20.5	10
83	Fetal MRI detects early alterations of brain development in Tetralogy of Fallot. *American Journal of Obstetrics and Gynecology*, **2015**, 213, 392.e1-7	6.4	47
82	Mapping visual features to semantic profiles for retrieval in medical imaging **2015**,		16
81	Fetal Cerebral Magnetic Resonance Imaging Beyond Morphology. *Seminars in Ultrasound, CT and MRI*, **2015**, 36, 465-75	1.7	16
80	Spatio-Temporal Signatures to Predict Retinal Disease Recurrence. *Lecture Notes in Computer Science*, **2015**, 24, 152-63	0.9	11
79	Predicting Semantic Descriptions from Medical Images with Convolutional Neural Networks. *Lecture Notes in Computer Science*, **2015**, 24, 437-48	0.9	42
78	Multi-subject Manifold Alignment of Functional Network Structures via Joint Diagonalization. *Lecture Notes in Computer Science*, **2015**, 24, 462-73	0.9	3
77	Overview of the VISCERAL Retrieval Benchmark 2015. *Lecture Notes in Computer Science*, **2015**, 115-123	0.9	19
76	Overview of the First Workshop of Muldimodal Retrieval in the Medical Domain (MRMD 2015). *Lecture Notes in Computer Science*, **2015**, 1-7	0.9	
75	Workshop Multimodal Retrieval in the Medical Domain (MRMD) 2015. *Lecture Notes in Computer Science*, **2015**, 834-837	0.9	1
74	The relationship between eye movement and vision develops before birth. *Frontiers in Human Neuroscience*, **2014**, 8, 775	3.3	12
73	Fetal functional imaging portrays heterogeneous development of emerging human brain networks. *Frontiers in Human Neuroscience*, **2014**, 8, 852	3.3	77
72	A Visual Information Retrieval System for Radiology Reports and the Medical Literature. *Lecture Notes in Computer Science*, **2014**, 390-393	0.9	4
71	Decoupling function and anatomy in atlases of functional connectivity patterns: language mapping in tumor patients. *NeuroImage*, **2014**, 103, 462-475	7.9	27
70	Longitudinal alignment of disease progression in fibrosing interstitial lung disease. *Lecture Notes in Computer Science*, **2014**, 17, 97-104	0.9	7

69	A spatio-temporal latent atlas for semi-supervised learning of fetal brain segmentations and morphological age estimation. *Medical Image Analysis*, **2014**, 18, 9-21	15.4	36
68	Structure-based neuron retrieval across Drosophila brains. *Neuroinformatics*, **2014**, 12, 423-34	3.2	6
67	Motion artefact correction in retinal optical coherence tomography using local symmetry. *Lecture Notes in Computer Science*, **2014**, 17, 130-7	0.9	13
66	Unsupervised Pre-training Across Image Domains Improves Lung Tissue Classification. *Lecture Notes in Computer Science*, **2014**, 82-93	0.9	29
65	Overview of the 2013 Workshop on Medical Computer Vision (MCV 2013). *Lecture Notes in Computer Science*, **2014**, 3-10	0.9	1
64	Khresmoi Professional: Multilingual, Multimodal Professional Medical Search. *Lecture Notes in Computer Science*, **2014**, 754-758	0.9	3
63	Overview of the 2013 Workshop on Medical Computer Vision (MCV 2013). *Lecture Notes in Computer Science*, **2014**, 3-10	0.9	
62	Overview of the 2014 Workshop on Medical Computer Vision Algorithms for Big Data (MCV 2014). *Lecture Notes in Computer Science*, **2014**, 3-10	0.9	
61	Global localization of 3D anatomical structures by pre-filtered Hough forests and discrete optimization. *Medical Image Analysis*, **2013**, 17, 1304-14	15.4	67
60	Predicting Treatment Response from Resting State fMRI Data: Comparison of Parcellation Approaches **2013**,		1
59	Whole-body anatomy localization via classification and regression forests. *Medical Image Analysis*, **2013**, 17, 1282	15.4	1
58	Computational identification and quantification of trabecular microarchitecture classes by 3-D texture analysis-based clustering. *Bone*, **2013**, 54, 133-40	4.7	18
57	Cloud Based Evaluation Framework for Big Data. *Lecture Notes in Computer Science*, **2013**, 104-114	0.9	3
56	Fast Anatomical Structure Localization Using Top-Down Image Patch Regression. *Lecture Notes in Computer Science*, **2013**, 133-141	0.9	6
55	VISCERAL: Towards Large Data in Medical Imaging Challenges and Directions. *Lecture Notes in Computer Science*, **2013**, 92-98	0.9	38
54	Constructing an un-biased whole body atlas from clinical imaging data by fragment bundling. *Lecture Notes in Computer Science*, **2013**, 16, 219-26	0.9	2
53	Automated threshold-independent cortex segmentation by 3D-texture analysis of HR-pQCT scans. *Bone*, **2012**, 51, 480-7	4.7	23
52	Bringing the Algorithms to the Data: Cloud Based Benchmarking for Medical Image Analysis. *Lecture Notes in Computer Science*, **2012**, 24-29	0.9	32

51	A survey on visual information search behavior and requirements of radiologists. *Methods of Information in Medicine*, **2012**, 51, 539-48	1.5	33
50	Visualizing changes in vessel wall dynamics due to stent-grafting in the aortic arch **2012**,		2
49	Texture Bags: Anomaly Retrieval in Medical Images Based on Local 3D-Texture Similarity. *Lecture Notes in Computer Science*, **2012**, 116-127	0.9	11
48	Evaluation of Fast 2D and 3D Medical Image Retrieval Approaches Based on Image Miniatures. *Lecture Notes in Computer Science*, **2012**, 128-138	0.9	2
47	Superpixel-Based Interest Points for Effective Bags of Visual Words Medical Image Retrieval. *Lecture Notes in Computer Science*, **2012**, 58-68	0.9	17
46	Detecting stable distributed patterns of brain activation using Gini contrast. *NeuroImage*, **2011**, 56, 497-507	5.9	46
45	Learning deformation and structure simultaneously: in situ endograft deformation analysis. *Medical Image Analysis*, **2011**, 15, 12-21	15.4	6
44	The prenatal origin of hemispheric asymmetry: an in utero neuroimaging study. *Cerebral Cortex*, **2011**, 21, 1076-83	5.1	124
43	Atlas learning in fetal brain development. *Topics in Magnetic Resonance Imaging*, **2011**, 22, 107-11	2.3	2
42	Localization of 3D Anatomical Structures Using Random Forests and Discrete Optimization. *Lecture Notes in Computer Science*, **2011**, 86-95	0.9	7
41	Learning an atlas of a cognitive process in its functional geometry. *Lecture Notes in Computer Science*, **2011**, 22, 135-46	0.9	10
40	Texture analysis in quantitative osteoporosis assessment: Characterizing microarchitecture **2010**,		4
39	Evaluating deformation patterns of the thoracic aorta in gated CTA sequences **2010**,		4
38	Diffusion-weighted imaging for the follow-up of patients after matrix-associated autologous chondrocyte transplantation. *European Journal of Radiology*, **2010**, 73, 622-8	4.7	40
37	Automatic assessment of the knee alignment angle on full-limb radiographs. *European Journal of Radiology*, **2010**, 74, 236-40	4.7	4
36	Automatic image-based assessment of lesion development during hemangioma follow-up examinations. *Artificial Intelligence in Medicine*, **2010**, 50, 83-94	7.4	12
35	Generalized sparse MRF appearance models. *Image and Vision Computing*, **2010**, 28, 1031-1038	3.7	18
34	Functional Geometry Alignment and Localization of Brain Areas. *Advances in Neural Information Processing Systems*, **2010**, 1, 1225-1233	2.2	15

33	Classification of tensors and fiber tracts using Mercer-kernels encoding soft probabilistic spatial and diffusion information **2009**,		2
32	Hierarchical 3D diffusion wavelet shape priors **2009**,		13
31	Multiple computer-based methods of measuring joint space width can discriminate between treatment arms in the COBRA trial -- Update of an ongoing OMERACT project. *Journal of Rheumatology*, **2009**, 36, 1825-8	4.1	10
30	Automatic quantification of joint space narrowing and erosions in rheumatoid arthritis. *IEEE Transactions on Medical Imaging*, **2009**, 28, 151-64	11.7	45
29	Quantifying disease activity and damage by imaging in rheumatoid arthritis and osteoarthritis. *Annals of the New York Academy of Sciences*, **2009**, 1154, 207-38	6.5	14
28	Shape priors and discrete MRFs for knowledge-based segmentation **2009**,		23
27	Assessement of rheumatic diseases with computational radiology: current status and future potential. *European Journal of Radiology*, **2009**, 71, 211-6	4.7	8
26	Computational radiology in skeletal radiography. *European Journal of Radiology*, **2009**, 72, 252-7	4.7	11
25	Atlas-based deformable mutual population segmentation **2009**,		3
24	Shape priors and discrete MRFs for knowledge-based segmentation **2009**,		3
23	MatVTK - 3D Visualization for Matlab **2009**,		1
22	Weakly supervised group-wise model learning based on discrete optimization. *Lecture Notes in Computer Science*, **2009**, 12, 860-8	0.9	6
21	Left ventricle segmentation using diffusion wavelets and boosting. *Lecture Notes in Computer Science*, **2009**, 12, 919-26	0.9	5
20	Sparsity, redundancy and optimal image support towards knowledge-based segmentation **2008**,		2
19	Modeling the structure of multivariate manifolds: Shape maps **2008**,		10
18	Task-specific functional brain geometry from model maps. *Lecture Notes in Computer Science*, **2008**, 11, 925-33	0.9	3
17	Automated measurement of joint space width in small joints of patients with rheumatoid arthritis. *Journal of Rheumatology*, **2008**, 35, 1288-93	4.1	11
16	Model-based erosion spotting and visualization in rheumatoid arthritis. *Academic Radiology*, **2007**, 14, 1179-88	4.3	15

15	Multiple appearance models. *Pattern Recognition*, **2007**, 40, 2485-2495	7.7	5
14	Local Structure Detection with Orientation-invariant Radial Configuration **2007**,		1
13	An automatic model-based system for joint space measurements on hand radiographs: initial experience. *Radiology*, **2007**, 245, 855-62	20.5	36
12	Motion Analysis of Endovascular Stent-Grafts by MDL Based Registration **2007**,		1
11	Robust autonomous model learning from 2D and 3D data sets **2007**, 10, 968-76		18
10	Object localization based on Markov random fields and symmetry interest points **2007**, 10, 460-8		3
9	Computer based methods for measurement of joint space width: update of an ongoing OMERACT project. *Journal of Rheumatology*, **2007**, 34, 874-83	4.1	25
8	Fast active appearance model search using canonical correlation analysis. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2006**, 28, 1690-4	13.3	67
7	A Robust Matching Algorithm for Active Appearance Models **2005**, 355-359		
6	Vision pyramids that do not grow too high. *Pattern Recognition Letters*, **2005**, 26, 319-337	4.7	33
5	Differential diagnosis of rheumatic diseases using conventional radiography. *Best Practice and Research in Clinical Rheumatology*, **2004**, 18, 783-811	5.3	10
4	ASM Driven Snakes in Rheumatoid Arthritis Assessment. *Lecture Notes in Computer Science*, **2003**, 454-461	0.9	6
3	Stable registration of pathological 3D-OCT scans using retinal vessels		8
2	Cross-species Functional Alignment Reveals Evolutionary Hierarchy Within the Connectome		15
1	Disentangling cortical functional connectivity strength and topography reveals divergent roles of genes and environment		1