Hanspeter Pfister

List of Publications by Year
in descending order

225 papers	15,349 citations	34076 52 h-index	30894 102 g-index
243 all docs	243 docs citations	243 times ranked	14157 citing authors

#	Article	IF	Citations
1	TimeTubesX: A Query-Driven Visual Exploration of Observable, Photometric, and Polarimetric Behaviors of Blazars. IEEE Transactions on Visualization and Computer Graphics, 2022, 28, 1917-1929.	2.9	2
2	GenNI: Human-AI Collaboration for Data-Backed Text Generation. IEEE Transactions on Visualization and Computer Graphics, 2022, 28, 1106-1116.	2.9	5
3	Scope2Screen: Focus+Context Techniques for Pathology Tumor Assessment in Multivariate Image Data. IEEE Transactions on Visualization and Computer Graphics, 2022, 28, 259-269.	2.9	9
4	Narrative online guides for the interpretation of digital-pathology images and tissue-atlas data. Nature Biomedical Engineering, 2022, 6, 515-526.	11.6	17
5	When and how convolutional neural networks generalize to out-of-distribution category–viewpoint combinations. Nature Machine Intelligence, 2022, 4, 146-153.	8.3	7
6	The Pattern is in the Details: An Evaluation of Interaction Techniques for Locating, Searching, and Contextualizing Details in Multivariate Matrix Visualizations. , 2022, , .		4
7	Diagnosing Ensemble Few-Shot Classifiers. IEEE Transactions on Visualization and Computer Graphics, 2022, 28, 3292-3306.	2.9	9
8	Edge-colored directed subgraph enumeration on the connectome. Scientific Reports, 2022, 12, .	1.6	4
9	A Generic Framework and Library for Exploration of Small Multiples through Interactive Piling. IEEE Transactions on Visualization and Computer Graphics, 2021, 27, 358-368.	2.9	10
10	Embodied Navigation in Immersive Abstract Data Visualization: Is Overview+Detail or Zooming Better for 3D Scatterplots?. IEEE Transactions on Visualization and Computer Graphics, 2021, 27, 1214-1224.	2.9	32
11	Objective Observer-Relative Flow Visualization in Curved Spaces for Unsteady 2D Geophysical Flows. IEEE Transactions on Visualization and Computer Graphics, 2021, 27, 283-293.	2.9	8
12	Visualization Design Sprints for Online and On-Campus Courses. IEEE Computer Graphics and Applications, 2021, 41, 37-47.	1.0	4
13	NucMM Dataset: 3D Neuronal Nuclei Instance Segmentation at Sub-Cubic Millimeter Scale. Lecture Notes in Computer Science, 2021, , 164-174.	1.0	14
14	Visualizing and Interacting with Geospatial Networks: A Survey and Design Space. Computer Graphics Forum, 2021, 40, 5-33.	1.8	32
15	Parsing and Summarizing Infographics with Synthetically Trained Icon Detection. , 2021, , .		4
16	Genome-wide enhancer maps link risk variants to disease genes. Nature, 2021, 593, 238-243.	13.7	332
17	Consistent Recurrent Neural Networks For 3d Neuron Segmentation. , 2021, , .		3
18	Ask Me or Tell Me? Enhancing the Effectiveness of Crowdsourced Design Feedback. , 2021, , .		5

#	Article	IF	Citations
19	VICE: Visual Identification and Correction of Neural Circuit Errors. Computer Graphics Forum, 2021, 40, 447-458.	1.8	5
20	PhotoApp. ACM Transactions on Graphics, 2021, 40, 1-16.	4.9	5
21	PhotoApp. ACM Transactions on Graphics, 2021, 40, 1-16.	4.9	0
22	The Wood Image Analysis and Dataset (WIAD): Open–access visual analysis tools to advance the ecological data revolution. Methods in Ecology and Evolution, 2021, 12, 2379-2387.	2.2	6
23	Developmental Stage Classification of Embryos Using Two-Stream Neural Network with Linear-Chain Conditional Random Field. Lecture Notes in Computer Science, 2021, 12908, 363-372.	1.0	4
24	Monocular Reconstruction of Neural Face Reflectance Fields. , 2021, , .		3
25	Facetto: Combining Unsupervised and Supervised Learning for Hierarchical Phenotype Analysis in Multi-Channel Image Data. IEEE Transactions on Visualization and Computer Graphics, 2020, 26, 227-237.	2.9	32
26	P<scp>eax</scp>: Interactive Visual Pattern Search in Sequential Data Using Unsupervised Deep Representation Learning. Computer Graphics Forum, 2020, 39, 167-179.	1.8	20
27	A Topological Nomenclature for 3D Shape Analysis in Connectomics. , 2020, , .		2
28	The Human Tumor Atlas Network: Charting Tumor Transitions across Space and Time at Single-Cell Resolution. Cell, 2020, 181, 236-249.	13.5	334
29	Automated Measurements of Key Morphological Features of Human Embryos for IVF. Lecture Notes in Computer Science, 2020, 12265, 25-35.	1.0	12
30	MitoEM Dataset: Large-Scale 3D Mitochondria Instance Segmentation from EM Images. Lecture Notes in Computer Science, 2020, 12265, 66-76.	1.0	52
31	Exploring Visual Information Flows in Infographics. , 2020, , .		28
32	ICONATE: Automatic Compound Icon Generation and Ideation. , 2020, , .		22
33	Minerva: a light-weight, narrative image browser for multiplexed tissue images. Journal of Open Source Software, 2020, 5, 2579.	2.0	22
34	Channel Embedding for Informative Protein Identification from Highly Multiplexed Images. Lecture Notes in Computer Science, 2020, 12265, 3-13.	1.0	3
35	Two Stream Active Query Suggestion for Active Learning in Connectomics. Lecture Notes in Computer Science, 2020, 12363, 103-120.	1.0	8
36	Commercial Visual Analytics Systems–Advances in the Big Data Analytics Field. IEEE Transactions on Visualization and Computer Graphics, 2019, 25, 3011-3031.	2.9	36

#	Article	IF	Citations
37	DXR: A Toolkit for Building Immersive Data Visualizations. IEEE Transactions on Visualization and Computer Graphics, 2019, 25, 715-725.	2.9	107
38	DataSelfie. , 2019, , .		26
39	Bird'sâ€Eye â€Largeâ€Scale Visual Analytics of City Dynamics using Social Location Data. Computer Graphics Forum, 2019, 38, 595-607.	1.8	8
40	Visual Interaction with Deep Learning Models through Collaborative Semantic Inference. IEEE Transactions on Visualization and Computer Graphics, 2019, 26, 1-1.	2.9	26
41	DataToon. , 2019, , .		44
42	Pattern-Driven Navigation in 2D Multiscale Visualizations with Scalable Insets. IEEE Transactions on Visualization and Computer Graphics, 2019, 26, 1-1.	2.9	11
43	FDive: Learning Relevance Models Using Pattern-based Similarity Measures. , 2019, , .		11
44	Biologically-Constrained Graphs for Global Connectomics Reconstruction. , 2019, , .		13
45	Developmental Rewiring between Cerebellar Climbing Fibers and Purkinje Cells Begins with Positive Feedback Synapse Addition. Cell Reports, 2019, 29, 2849-2861.e6.	2.9	31
46	GUIRO: User-Guided Matrix Reordering. IEEE Transactions on Visualization and Computer Graphics, 2019, , 1-1.	2.9	3
47	Evaluating â€˜Graphical Perceptionâ€™ with CNNs. IEEE Transactions on Visualization and Computer Graphics, 2019, 25, 641-650.	2.9	35
48	Culling for Extreme-Scale Segmentation Volumes: A Hybrid Deterministic and Probabilistic Approach. IEEE Transactions on Visualization and Computer Graphics, 2019, 25, 1132-1141.	2.9	9
49	Seq2seq-Vis: A Visual Debugging Tool for Sequence-to-Sequence Models. IEEE Transactions on Visualization and Computer Graphics, 2019, 25, 353-363.	2.9	142
50	Detecting Synapse Location and Connectivity by Signed Proximity Estimation and Pruning with Deep Nets. Lecture Notes in Computer Science, 2019, , 354-364.	1.0	4
51	Synapse-Aware Skeleton Generation for Neural Circuits. Lecture Notes in Computer Science, 2019, , 227-235.	1.0	4
52	HiPiler: Visual Exploration of Large Genome Interaction Matrices with Interactive Small Multiples. IEEE Transactions on Visualization and Computer Graphics, 2018, 24, 522-531.	2.9	37
53	<i>SparseLeap</i>: Efficient Empty Space Skipping for Large-Scale Volume Rendering. IEEE Transactions on Visualization and Computer Graphics, 2018, 24, 974-983.	2.9	35
54	Deblurring Images via Dark Channel Prior. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2018, 40, 2315-2328.	9.7	174

#	Article	IF	Citations
55	Visualizing Nonlinear Narratives with Story Curves. IEEE Transactions on Visualization and Computer Graphics, 2018, 24, 595-604.	2.9	34
56	Abstractocyte: A Visual Tool for Exploring Nanoscale Astroglial Cells. IEEE Transactions on Visualization and Computer Graphics, 2018, 24, 853-861.	2.9	36
57	LSTMVis: A Tool for Visual Analysis of Hidden State Dynamics in Recurrent Neural Networks. IEEE Transactions on Visualization and Computer Graphics, 2018, 24, 667-676.	2.9	199
58	The Hologram in My Hand: How Effective is Interactive Exploration of 3D Visualizations in Immersive Tangible Augmented Reality?. IEEE Transactions on Visualization and Computer Graphics, 2018, 24, 457-467.	2.9	153
59	Visual Pattern-Driven Exploration of Big Data. , 2018, 2018, .		2
60	Guided Proofreading of Automatic Segmentations for Connectomics. , 2018, , .		15
61	Quality Metrics for Information Visualization. Computer Graphics Forum, 2018, 37, 625-662.	1.8	86
62	ProteomeVis: a web app for exploration of protein properties from structure to sequence evolution across organisms' proteomes. Bioinformatics, 2018, 34, 3557-3565.	1.8	7
63	HiGlass: web-based visual exploration and analysis of genome interaction maps. Genome Biology, 2018, 19, 125.	3.8	950
64	Debugging Sequence-to-Sequence Models with Seq2Seq-Vis. , 2018, , .		7
65	The Emerging Genre of Data Comics. IEEE Computer Graphics and Applications, 2017, 37, 6-13.	1.0	63
66	Piggybacking Robots. , 2017, , .		62
67	Consistent Video Filtering for Camera Arrays. Computer Graphics Forum, 2017, 36, 397-407.	1.8	3
68	booc.io: An Education System with Hierarchical Concept Maps and Dynamic Non-linear Learning Plans. IEEE Transactions on Visualization and Computer Graphics, 2017, 23, 571-580.	2.9	21
69	Compresso: Efficient Compression of Segmentation Data for Connectomics. Lecture Notes in Computer Science, 2017, , 781-788.	1.0	9
70	Learning Visual Importance for Graphic Designs and Data Visualizations. , 2017, , .		102
71	BubbleView. ACM Transactions on Computer-Human Interaction, 2017, 24, 1-40.	4.6	61
72	Data-Driven Guides: Supporting Expressive Design for Information Graphics. IEEE Transactions on Visualization and Computer Graphics, 2017, 23, 491-500.	2.9	86

#	Article	IF	Citations
73	Screenit: Visual Analysis of Cellular Screens. IEEE Transactions on Visualization and Computer Graphics, 2017, 23, 591-600.	2.9	8
74	Learning to Super-Resolve Blurry Face and Text Images. , 2017, , .		152
75	Personalizing Gesture Recognition Using Hierarchical Bayesian Neural Networks. , 2017, , .		11
76	Scalable Interactive Visualization for Connectomics. Informatics, 2017, 4, 29.	2.4	21
77	Eye Fixation Metrics for Large Scale Evaluation and Comparison of Information Visualizations. Mathematics and Visualization, 2017, , 235-255.	0.4	25
78	Criteria Sliders: Learning Continuous Database Criteria via Interactive Ranking. , 2017, , .		1
79	What eye movement and memory experiments can tell us about the human perception of visualizations. Journal of Vision, 2017, 17, 532.	0.1	0
80	Automatic Neural Reconstruction from Petavoxel of Electron Microscopy Data. Microscopy and Microanalysis, 2016, 22, 536-537.	0.2	15
81	Blind Image Deblurring Using Dark Channel Prior. , 2016, , .		478
82	Pathfinder: Visual Analysis of Paths in Graphs. Computer Graphics Forum, 2016, 35, 71-80.	1.8	26
83	Reconstructing Curvilinear Networks Using Path Classifiers and Integer Programming. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2016, 38, 2515-2530.	9.7	41
84	Guidelines for Effective Usage of Text Highlighting Techniques. IEEE Transactions on Visualization and Computer Graphics, 2016, 22, 489-498.	2.9	41
85	Beyond Memorability: Visualization Recognition and Recall. IEEE Transactions on Visualization and Computer Graphics, 2016, 22, 519-528.	2.9	188
86	Vials: Visualizing Alternative Splicing of Genes. IEEE Transactions on Visualization and Computer Graphics, 2016, 22, 399-408.	2.9	15
87	NeuroBlocks â€" Visual Tracking of Segmentation and Proofreading for Large Connectomics Projects. IEEE Transactions on Visualization and Computer Graphics, 2016, 22, 738-746.	2.9	34
88	An interaction-aware, perceptual model for non-linear elastic objects. ACM Transactions on Graphics, 2016, 35, 1-13.	4.9	26
89	Context-Guided Diffusion for Label Propagation on Graphs. , 2015, , .		11
90	Layered RGBD scene flow estimation. , 2015, , .		46

#	Article	IF	Citations
91	Local high-order regularization on data manifolds. , 2015, , .		1
92	State‑of‑the‑Art in GPU‑Based Large‑Scale Volume Visualization. Computer Graphics Forum, 2015, 34, 13-37.	3.3	78
93	Semi-supervised learning with explicit relationship regularization. , 2015, , .		4
94	Generalizing wave gestures from sparse examples for real-time character control. ACM Transactions on Graphics, 2015, 34, 1-12.	4.9	24
95	Saturated Reconstruction of a Volume of Neocortex. Cell, 2015, 162, 648-661.	13.5	870
96	Large-scale automatic reconstruction of neuronal processes from electron microscopy images. Medical Image Analysis, 2015, 22, 77-88.	7.0	91
97	Computational design of walking automata. , 2015, , .		19
98	A Crowdsourced Alternative to Eye-tracking for Visualization Understanding. , 2015, , .		16
99	Blind video temporal consistency. ACM Transactions on Graphics, 2015, 34, 1-9.	4.9	112
100	Sliced and Radon Wasserstein Barycenters of Measures. Journal of Mathematical Imaging and Vision, 2015, 51, 22-45.	0.8	181
101	Joint 5D Pen Input for Light Field Displays. , 2015, , .		9
102	Computational design of metallophone contact sounds. ACM Transactions on Graphics, 2015, 34, 1-13.	4.9	42
103	Time‑Lapse Photometric Stereo and Applications. Computer Graphics Forum, 2014, 33, 359-367.	1.8	10
104	ConTour: Data-Driven Exploration of Multi-Relational Datasets for Drug Discovery. IEEE Transactions on Visualization and Computer Graphics, 2014, 20, 1883-1892.	2.9	18
105	NeuroLines: A Subway Map Metaphor for Visualizing Nanoscale Neuronal Connectivity. IEEE Transactions on Visualization and Computer Graphics, 2014, 20, 2369-2378.	2.9	49
106	Interactive intrinsic video editing. ACM Transactions on Graphics, 2014, 33, 1-10.	4.9	62
107	Design and Evaluation of Interactive Proofreading Tools for Connectomics. IEEE Transactions on Visualization and Computer Graphics, 2014, 20, 2466-2475.	2.9	39
108	Vivaldi: A Domain-Specific Language for Volume Processing and Visualization on Distributed Heterogeneous Systems. IEEE Transactions on Visualization and Computer Graphics, 2014, 20, 2407-2416.	2.9	25

#	Article	IF	Citations
109	Domino: Extracting, Comparing, and Manipulating Subsets Across Multiple Tabular Datasets. IEEE Transactions on Visualization and Computer Graphics, 2014, 20, 2023-2032.	2.9	53
110	UpSet: Visualization of Intersecting Sets. IEEE Transactions on Visualization and Computer Graphics, 2014, 20, 1983-1992.	2.9	1,549
111	Candidate Sampling for Neuron Reconstruction from Anisotropic Electron Microscopy Volumes. Lecture Notes in Computer Science, 2014, 17, 17-24.	1.0	11
112	The big data challenges of connectomics. Nature Neuroscience, 2014, 17, 1448-1454.	7.1	194
113	Local Layering for Joint Motion Estimation and Occlusion Detection. , 2014, , .		44
114	Guided visual exploration of genomic stratifications in cancer. Nature Methods, 2014, 11, 884-885.	9.0	20
115	Mu-8: visualizing differences between proteins and their families. BMC Proceedings, 2014, 8, S5.	1.8	2
116	Characterizing Cancer Subtypes Using Dual Analysis in Caleydo StratomeX. IEEE Computer Graphics and Applications, 2014, 34, 38-47.	1.0	20
117	Facial performance enhancement using dynamic shape space analysis. ACM Transactions on Graphics, 2014, 33, 1-12.	4.9	27
118	Device effect on panoramic video+context tasks. , 2014, , .		5
119	Visualization in Connectomics. Mathematics and Visualization, 2014, , 221-245.	0.4	13
120	A Lattice Boltzmann Simulation of Hemodynamics in a Patient-Specific Aortic Coarctation Model. Lecture Notes in Computer Science, 2013, , 17-25.	1.0	0
121	ConnectomeExplorer: Query-Guided Visual Analysis of Large Volumetric Neuroscience Data. IEEE Transactions on Visualization and Computer Graphics, 2013, 19, 2868-2877.	2.9	54
122	Exploring the Connectome: Petascale Volume Visualization of Microscopy Data Streams. IEEE Computer Graphics and Applications, 2013, 33, 50-61.	1.0	34
123	Evaluation of Filesystem Provenance Visualization Tools. IEEE Transactions on Visualization and Computer Graphics, 2013, 19, 2476-2485.	2.9	43
124	LineUp: Visual Analysis of Multi-Attribute Rankings. IEEE Transactions on Visualization and Computer Graphics, 2013, 19, 2277-2286.	2.9	221
125	Massively Parallel Model of Extended Memory Use in Evolutionary Game Dynamics. , 2013, , .		1
126	What Makes a Visualization Memorable?. IEEE Transactions on Visualization and Computer Graphics, 2013, 19, 2306-2315.	2.9	378

#	Article	IF	Citations
127	Example-based video color grading. ACM Transactions on Graphics, 2013, 32, 1-12.	4.9	59
128	A Collaborative Digital Pathology System for Multiâ€Touch Mobile and Desktop Computing Platforms. Computer Graphics Forum, 2013, 32, 227-242.	1.8	8
129	Entourage: Visualizing Relationships between Biological Pathways using Contextual Subsets. IEEE Transactions on Visualization and Computer Graphics, 2013, 19, 2536-2545.	2.9	38
130	Reconstructing Loopy Curvilinear Structures Using Integer Programming. , 2013, , .		53
131	A Fully-Connected Layered Model of Foreground and Background Flow. , 2013, , .		62
132	Preface: Message from the program chairs. , 2013, , .		0
133	SegmentingÂPlanarÂSuperpixelÂAdjacencyÂGraphs w.r.t.ÂNon-planar Superpixel Affinity Graphs. Lecture Notes in Computer Science, 2013, , 266-279.	1.0	12
134	Fabricating articulated characters from skinned meshes. ACM Transactions on Graphics, 2012, 31, 1-9.	4.9	105
135	Trainable Convolution Filters and Their Application to Face Recognition. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2012, 34, 1423-1436.	9.7	39
136	Visualization for the Physical Sciences. Computer Graphics Forum, 2012, 31, 2317-2347.	1.8	42
137	Multi-video browsing and summarization. , 2012, , .		14
138	Video Snapshots: Creating High-Quality Images from Video Clips. IEEE Transactions on Visualization and Computer Graphics, 2012, 18, 1868-1879.	2.9	22
139	Interactive Volume Exploration of Petascale Microscopy Data Streams Using a Visualization-Driven Virtual Memory Approach. IEEE Transactions on Visualization and Computer Graphics, 2012, 18, 2285-2294.	2.9	68
140	Maximizing all margins: Pushing face recognition with Kernel Plurality. , 2011, , .		33
141	Display-aware image editing. , 2011, , .		4
142	Distributed terascale volume visualization using distributed shared virtual memory. , 2011, , .		4
143	Segmentation fusion for connectomics. , 2011, , .		49
144	Medical Image Processing Using GPU-Accelerated ITK Image Filters. , 2011, , 737-749.		4

#	Article	IF	Citations
145	The connectome project. Xrds, 2011, 18, 8-13.	0.2	2
146	CG2Real: Improving the Realism of Computer Generated Images Using a Large Collection of Photographs. IEEE Transactions on Visualization and Computer Graphics, 2011, 17, 1273-1285.	2.9	59
147	Evaluation of Artery Visualizations for Heart Disease Diagnosis. IEEE Transactions on Visualization and Computer Graphics, 2011, 17, 2479-2488.	2.9	123
148	Interactive large-scale image editing using operator reduction. , 2011, , .		0
149	Video face replacement. , 2011, , .		50
150	Demand-driven volume rendering of terascale EM data. , 2011, , .		4
151	Video face replacement. ACM Transactions on Graphics, 2011, 30, 1-10.	4.9	111
152	Neural Process Reconstruction from Sparse User Scribbles. Lecture Notes in Computer Science, 2011, 14, 621-628.	1.0	16
153	Detection of Neuron Membranes in Electron Microscopy Images Using Multi-scale Context and Radon-Like Features. Lecture Notes in Computer Science, 2011, 14, 670-677.	1.0	23
154	GPU-Accelerated Brain Connectivity Reconstruction and Visualization in Large-Scale Electron Micrographs. , 2011, , 793-812.		0
155	Fast and automatic object pose estimation for range images on the GPU. Machine Vision and Applications, 2010, 21, 749-766.	1.7	30
156	Enabling a high throughput real time data pipeline for a large radio telescope array with GPUs. Computer Physics Communications, 2010, 181, 1707-1714.	3.0	13
157	Ssecrett and NeuroTrace: Interactive Visualization and Analysis Tools for Large-Scale Neuroscience Data Sets. IEEE Computer Graphics and Applications, 2010, 30, 58-70.	1.0	63
158	An Update from VisWeek 2009. Computing in Science and Engineering, 2010, 12, 82-87.	1.2	0
159	Pathline: A Tool For Comparative Functional Genomics. Computer Graphics Forum, 2010, 29, 1043-1052.	1.8	57
160	Physical reproduction of materials with specified subsurface scattering. ACM Transactions on Graphics, 2010, 29, 1-10.	4.9	84
161	Multi-scale image harmonization. ACM Transactions on Graphics, 2010, 29, 1-10.	4.9	138
162	Physical reproduction of materials with specified subsurface scattering. , 2010, , .		13

#	Article	IF	Citations
163	Design and fabrication of materials with desired deformation behavior. ACM Transactions on Graphics, 2010, 29, 1-10.	4.9	185
164	Radon-Like features and their application to connectomics. , 2010, , .		39
165	MulteeSum: A Tool for Comparative Spatial and Temporal Gene Expression Data. IEEE Transactions on Visualization and Computer Graphics, 2010, 16, 908-917.	2.9	45
166	Interactive Histology of Large-Scale Biomedical Image Stacks. IEEE Transactions on Visualization and Computer Graphics, 2010, 16, 1386-1395.	2.9	28
167	Preface. IEEE Transactions on Visualization and Computer Graphics, 2010, 16, xi-xx.	2.9	0
168	Visibility Subspaces: Uncalibrated Photometric Stereo with Shadows. Lecture Notes in Computer Science, 2010, , 251-264.	1.0	32
169	Multi-scale image harmonization. , 2010, , .		22
170	Multiphase geometric couplings for the segmentation of neural processes. , 2009, , .		21
171	Image restoration using online photo collections. , 2009, , .		51
172	Capture and modeling of non-linear heterogeneous soft tissue. ACM Transactions on Graphics, 2009, 28, 1-9.	4.9	100
173	MizBee: A Multiscale Synteny Browser. IEEE Transactions on Visualization and Computer Graphics, 2009, 15, 897-904.	2.9	127
174	Scalable and Interactive Segmentation and Visualization of Neural Processes in EM Datasets. IEEE Transactions on Visualization and Computer Graphics, 2009, 15, 1505-1514.	2.9	54
175	Multiphase geometric couplings for the segmentation of neural processes. , 2009, , .		4
176	Particle-based Sampling and Meshing of Surfaces in Multimaterial Volumes. IEEE Transactions on Visualization and Computer Graphics, 2008, 14, 1539-1546.	2.9	51
177	Volume MLS Ray Casting. IEEE Transactions on Visualization and Computer Graphics, 2008, 14, 1372-1379.	2.9	29
178	What do color changes reveal about an outdoor scene?. , 2008, , .		53
179	Real-time face pose estimation from single range images. , 2008, , .		135
180	Multiview user interfaces with an automultiscopic display. , 2008, , .		13

#	Article	IF	Citations
181	Multi-scale capture of facial geometry and motion. ACM Transactions on Graphics, 2007, 26, 33.	4.9	116
182	Display pre-filtering for multi-view video compression. , 2007, , .		11
183	Automatic Pose Estimation for Range Images on the GPU. International Conference on 3-D Digital Imaging and Modeling, Proceedings, 2007, , .	0.0	19
184	Overview of Multiview Video Coding and Anti-Aliasing for 3D Displays. Proceedings International Conference on Image Processing, 2007, , .	0.0	17
185	Multi-scale capture of facial geometry and motion. , 2007, , .		47
186	Multi-view Video Compression for 3D Displays. Conference Record of the Asilomar Conference on Signals, Systems and Computers, 2007, , .	0.0	1
187	Factored time-lapse video. ACM Transactions on Graphics, 2007, 26, 101.	4.9	47
188	Exploring Defocus Matting: Nonparametric Acceleration, Super-Resolution, and Off-Center Matting. IEEE Computer Graphics and Applications, 2007, 27, 43-52.	1.0	6
189	Optical Splitting Trees for High-Precision Monocular Imaging. IEEE Computer Graphics and Applications, 2007, 27, 32-42.	1.0	57
190	Statistics of Infrared Images. , 2007, , .		88
191	Factored time-lapse video. , 2007, , .		34
192	Resampling, Antialiasing, and Compression in Multiview 3-D Displays. IEEE Signal Processing Magazine, 2007, 24, 88-96.	4.6	26
193	NIH-NSF visualization research challenges report summary. IEEE Computer Graphics and Applications, 2006, 26, 20-24.	1.0	53
194	Face transfer with multilinear models. , 2006, , .		40
195	Antialiasing for automultiscopic 3D displays. , 2006, , .		83
196	Inverse shade trees for non-parametric material representation and editing. , 2006, , .		27
197	Analysis of human faces using a measurement-based skin reflectance model. ACM Transactions on Graphics, 2006, 25, 1013-1024.	4.9	231
198	Inverse shade trees for non-parametric material representation and editing. ACM Transactions on Graphics, 2006, 25, 735-745.	4.9	204

#	Article	IF	Citations
199	A statistical model for synthesis of detailed facial geometry. , 2006, , .		22
200	Processing and editing of faces using a measurement-based skin reflectance model. , 2006, , .		0
201	A statistical model for synthesis of detailed facial geometry. ACM Transactions on Graphics, 2006, 25, 1025-1034.	4.9	58
202	Analysis of human faces using a measurement-based skin reflectance model. , 2006, , .		41
203	Hardware-Accelerated Volume Rendering. , 2005, , 229-258.		6
204	Face transfer with multilinear models. ACM Transactions on Graphics, 2005, 24, 426-433.	4.9	409
205	Defocus video matting. ACM Transactions on Graphics, 2005, 24, 567-576.	4.9	101
206	Learning silhouette features for control of human motion. ACM Transactions on Graphics, 2005, 24, 1303-1331.	4.9	85
207	Rendering Deformable Surface Reflectance Fields. IEEE Transactions on Visualization and Computer Graphics, 2005, 11, 48-58.	2.9	14
208	Moderne Volumenvisualisierung (Modern Volume Visualization). IT - Information Technology, 2004, 46, 117-122.	0.6	1
209	Multilinear models for face synthesis. , 2004, , .		6
210	3D TV. , 2004, , .		4
211	Learning silhouette features for control of human motion. , 2004, , .		10
212	3D TV. , 2004, , .		68
213	Point-based computer graphics. , 2004, , .		42
214	3D TV. ACM Transactions on Graphics, 2004, 23, 814-824.	4.9	330
215	Point-Based Computer Graphics. IEEE Computer Graphics and Applications, 2004, 24, 22-23.	1.0	62
216	A data-driven reflectance model. ACM Transactions on Graphics, 2003, 22, 759-769.	4.9	542

#	Article	IF	Citations
217	A data-driven reflectance model. , 2003, , .		201
218	Image-based 3D photography using opacity hulls. ACM Transactions on Graphics, 2002, 21, 427-437.	4.9	66
219	EWA splatting. IEEE Transactions on Visualization and Computer Graphics, 2002, 8, 223-238.	2.9	100
220	Image-based 3D photography using opacity hulls. ACM Transactions on Graphics, 2002, , .	4.9	100
221	Object Space EWA Surface Splatting: A Hardware Accelerated Approach to High Quality Point Rendering. Computer Graphics Forum, 2002, 21, 461-470.	1.8	101
222	Fast re-rendering of volume and surface graphics by depth, color, and opacity buffering. Medical Image Analysis, 2000, 4, 235-251.	7.0	8
223	Architectures for real-time volume rendering. Future Generation Computer Systems, 1999, 15, 1-9.	4.9	16
224	Gradient estimation and sheared interpolation for the cube architecture. Computers and Graphics, 1995, 19, 667-677.	1.4	4
225	Three Architectures for Volume Rendering. Computer Graphics Forum, 1995, 14, 111-122.	1.8	1