Anuj Srivastava

List of Publications by Year in descending order

205 papers	5,926 citations	109264 35 h-index	95218 68 g-index
221 all docs	221 docs citations	221 times ranked	3154 citing authors

#	Article	IF	Citations
1	Elastic statistical analysis of interval-valued time series. Journal of Applied Statistics, 2023, 50, 60-85.	0.6	1
2	Nonparametric <i>k</i>-Sample Test on Shape Spaces with Applications to Mitochondrial Shape Analysis. Journal of the Royal Statistical Society Series C: Applied Statistics, 2022, 71, 51-69.	0.5	1
3	Data Science for Motion and Time Analysis with Modern Motion Sensor Data. Operations Research, 2022, 70, 3217-3233.	1.2	1
4	An investigation of spatial-temporal patterns and predictions of the coronavirus 2019 pandemic in Colombia, 2020â€"2021. PLoS Neglected Tropical Diseases, 2022, 16, e0010228.	1.3	8
5	Characterizing Cell Populations Using Statistical Shape Modes. , 2022, , .		1
6	Realistic-Shape Bacterial Biofilm Simulator for Deep Learning-Based 3D Single-Cell Segmentation. , 2022, , .		1
7	Statistical shape analysis of brain arterial networks (BAN). Annals of Applied Statistics, 2022, 16, .	0.5	1
8	Modality-Constrained Density Estimation via Deformable Templates. Technometrics, 2021, 63, 536-547.	1.3	1
9	A Quotient Space Formulation for Generative Statistical Analysis of Graphical Data. Journal of Mathematical Imaging and Vision, 2021, 63, 735-752.	0.8	5
10	Statistical Comparisons Of Chromosomal Shape Populations. , 2021, 2021, 788-791.		1
11	Random-Walk, Agent-Level Pandemic Simulation (RAW-ALPS) for Analyzing Effects of Different Lockdown Measures. Frontiers in Applied Mathematics and Statistics, 2021, 7, .	0.7	0
12	Toward a Three-Dimensional Chromosome Shape Alphabet. Journal of Computational Biology, 2021, 28, 601-618.	0.8	4
13	SrvfRegNet: Elastic Function Registration Using Deep Neural Networks. , 2021, , .		2
14	Transmission dynamics and forecasts of the COVID-19 pandemic in Mexico, March-December 2020. PLoS ONE, 2021, 16, e0254826.	1.1	11
15	Elastic Shape Analysis of Planar Objects Using Tensor Field Representations. Journal of Mathematical Imaging and Vision, 2021, 63, 1204-1221.	0.8	2
16	Intensity Estimation for Poisson Process With Compositional Noise. Frontiers in Applied Mathematics and Statistics, 2021, 7, .	0.7	2
17	Statistical Shape Analysis. , 2021, , 1197-1211.		0
18	Geo-FARM: Geodesic Factor Regression Model for Misaligned Pre-shape Responses in Statistical Shape Analysis. , 2021, , .		3

#	Article	IF	Citations
19	Shape Analysis of Functional Data with Elastic Partial Matching. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, PP, 1-1.	9.7	4
20	Representation of Chromosome Conformations Using a Shape Alphabet Across Modeling Methods. , 2021, , .		1
21	On shape analysis of functional data. , 2020, , 417-438.		0
22	Analyzing Dynamical Brain Functional Connectivity as Trajectories on Space of Covariance Matrices. IEEE Transactions on Medical Imaging, 2020, 39, 611-620.	5.4	21
23	A Framework for Interpretable Full-Body Kinematic Description Using Geometric and Functional Analysis. IEEE Transactions on Biomedical Engineering, 2020, 67, 1761-1774.	2.5	3
24	Statistical analysis and modeling of the geometry and topology of plant roots. Journal of Theoretical Biology, 2020, 486, 110108.	0.8	8
25	Representations, Metrics and Statistics for Shape Analysis of Elastic Graphs. , 2020, , .		6
26	Advances in Geometrical Analysis of Topologically-Varying Shapes. , 2020, , .		0
27	Modeling Shape Dynamics During Cell Motility in Microscopy Videos. , 2020, , .		6
28	Regression models using shapes of functions as predictors. Computational Statistics and Data Analysis, 2020, 151, 107017.	0.7	3
29	Statistical Shape Analysis. , 2020, , 1-16.		0
30	Shape Analysis of Functional Data. , 2020, , 379-394.		0
31	Shape Preserving Incremental Learning for Power Systems Fault Detection. , 2019, 3, 85-90.		16
32	Discovering common change-point patterns in functional connectivity across subjects. Medical Image Analysis, 2019, 58, 101532.	7.0	12
33	Bayesian Estimation of Three-Dimensional Chromosomal Structure from Single-Cell Hi-C Data. Journal of Computational Biology, 2019, 26, 1191-1202.	0.8	34
34	Clustering Household Electrical Load Profiles Using Elastic Shape Analysis. , 2019, , .		10
35	Bayesian shape-constrained density estimation. Quarterly of Applied Mathematics, 2019, 77, 399-422.	0.5	1
36	Elastic functional principal component regression. Statistical Analysis and Data Mining, 2019, 12, 101-115.	1.4	8

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37	Video-Based Action Recognition Using Dimension Reduction of Deep Covariance Trajectories. , 2019, , .		3
38	Robust Comparison of Kernel Densities on Spherical Domains. Sankhya A, 2019, 81, 144-171.	0.4	6
39	Mapping population-based structural connectomes. NeuroImage, 2018, 172, 130-145.	2.1	66
40	Phase-Amplitude Separation and Modeling of Spherical Trajectories. Journal of Computational and Graphical Statistics, 2018, 27, 85-97.	0.9	16
41	Rate-Invariant Analysis of Covariance Trajectories. Journal of Mathematical Imaging and Vision, 2018, 60, 1306-1323.	0.8	17
42	Optimization Problems Associated with Manifold-Valued Curves with Applications in Computer Vision. , 2018, , 207-228.		0
43	Shape-Constrained and Unconstrained Density Estimation Using Geometric Exploration. , 2018, , .		2
44	Temporal Alignment Improves Feature Quality: An Experiment on Activity Recognition with Accelerometer Data. , 2018, , .		7
45	Elastic Handling of Predictor Phase in Functional Regression Models. , 2018, , .		3
46	Are generalized spillover indices overstating connectedness?. Economics Letters, 2018, 173, 131-134.	0.9	34
47	Statistical shape analysis of simplified neuronal trees. Annals of Applied Statistics, 2018, 12, .	0.5	14
48	Spatially Coherent Interpretations of Videos Using Pattern Theory. International Journal of Computer Vision, 2017, 121, 5-25.	10.9	6
49	Elastic Functional Coding of Riemannian Trajectories. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2017, 39, 922-936.	9.7	41
50	Numerical Inversion of SRNF Maps for Elastic Shape Analysis of Genus-Zero Surfaces. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2017, 39, 2451-2464.	9.7	40
51	Automated Alignment of Mass Spectrometry Data Using Functional Geometry. , 2017, , 23-43.		0
52	Elastic Shape Analysis of Three-Dimensional Objects. Synthesis Lectures on Computer Vision, 2017, 7, 1-185.	0.4	20
53	Elastic 3D shape analysis using square-root normal field representation. , 2017, , .		0
54	Bayesian Tractography Using Geometric Shape Priors. Frontiers in Neuroscience, 2017, 11, 483.	1.4	3

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55	Discovering Change-Point Patterns in Dynamic Functional Brain Connectivity of a Population. Lecture Notes in Computer Science, 2017, , 361-372.	1.0	2
56	Exact Function Alignment Under Elastic Riemannian Metric. Lecture Notes in Computer Science, 2017, , 137-151.	1.0	2
57	Testing Stationarity of Brain Functional Connectivity Using Change-Point Detection in fMRI Data. , 2016, , .		5
58	Surface Shape Morphometry for Hippocampal Modeling in Alzheimer's Disease. , 2016, , .		9
59	An Elastic Riemannian Framework for Shape of Curves and Tree-Like Structures. Advances in Computer Vision and Pattern Recognition, 2016, , 187-205.	0.9	0
60	3. Image registration using phase–amplitude separation. , 2016, , 84-107.		1
61	Pattern theory for representation and inference of semantic structures in videos. Pattern Recognition Letters, 2016, 72, 41-51.	2.6	3
62	Norm-preserving constraint in the Fisher–Rao registration and its application in signal estimation. Journal of Nonparametric Statistics, 2016, 28, 338-359.	0.4	1
63	Functional and Shape Data Analysis. Springer Series in Statistics, 2016, , .	0.9	204
64	Shapes of Curves in Higher Dimensions. Springer Series in Statistics, 2016, , 349-384.	0.9	0
65	Shapes of Planar Curves. Springer Series in Statistics, 2016, , 125-165.	0.9	0
66	Shapes of Planar Closed Curves. Springer Series in Statistics, 2016, , 167-231.	0.9	0
67	Statistical Modeling of Functional Data. Springer Series in Statistics, 2016, , 269-303.	0.9	0
68	Statistical Modeling of Planar Shapes. Springer Series in Statistics, 2016, , 305-347.	0.9	0
69	Estimation of linear target-layer trajectories using cluttered point cloud data. Computational Statistics and Data Analysis, 2016, 102, 1-22.	0.7	1
70	An elastic functional data analysis framework for preoperative evaluation of patients with Rheumatoid Arthritis. , 2016, , .		1
71	A two-sample test for statistical comparisons of shape populations. , 2016, , .		2
72	Action Recognition Using Rate-Invariant Analysis of Skeletal Shape Trajectories. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2016, 38, 1-13.	9.7	158

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73	Riemannian Optimization for Registration of Curves in Elastic Shape Analysis. Journal of Mathematical Imaging and Vision, 2016, 54, 320-343.	0.8	22
74	Underwater Minefield Detection in Clutter Data Using Spatial Point-Process Models. IEEE Journal of Oceanic Engineering, 2016, 41, 670-681.	2.1	9
75	Gauge Invariant Framework for Shape Analysis of Surfaces. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2016, 38, 46-59.	9.7	17
76	Welcome to Riemannian Computing in Computer Vision. , 2016, , 1-18.		7
77	Functional Data Analysis of Amplitude and Phase Variation. Statistical Science, 2015, 30, .	1.6	105
78	Temporally coherent interpretations for long videos using pattern theory. , 2015, , .		5
79	Bayesian clustering of shapes of curves. Journal of Statistical Planning and Inference, 2015, 166, 171-186.	0.4	24
80	Fusion of Global and Local Motion Estimation Using Foreground Objects for Distributed Video Coding. IEEE Transactions on Circuits and Systems for Video Technology, 2015, 25, 973-987.	5.6	6
81	Elastic functional coding of human actions: From vector-fields to latent variables. , 2015, , .		54
82	Accurate 3D action recognition using learning on the Grassmann manifold. Pattern Recognition, 2015, 48, 556-567.	5.1	152
83	Bayesian Shape Clustering. , 2015, , 57-75.		1
84	Generation of 3D Canonical Anatomical Models: An Experience on Carpal Bones. Lecture Notes in Computer Science, 2015, , 167-174.	1.0	4
85	Geometric Analysis of Axonal Tree Structures. , 2015, , .		3
86	Analysis of proteomics data: Phase amplitude separation using an extended Fisher-Rao metric. Electronic Journal of Statistics, 2014, 8, .	0.4	12
87	Introduction to neural spike train data for phase-amplitude analysis. Electronic Journal of Statistics, 2014, 8, .	0.4	8
88	Spherical Regression Models Using Projective Linear Transformations. Journal of the American Statistical Association, 2014, 109, 1615-1624.	1.8	21
89	Pattern Theory-Based Interpretation of Activities. , 2014, , .		3
90	Handwritten Text Segmentation Using Elastic Shape Analysis. , 2014, , .		4

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91	Bayesian Active Contours with Affine-Invariant, Elastic Shape Prior. , 2014, , .		7
92	RASS: a web server for RNA alignment in the joint sequence-structure space. Nucleic Acids Research, 2014, 42, W377-W381.	6.5	7
93	Differential geometric representations and algorithms for some pattern recognition and computer vision problems. Pattern Recognition Letters, 2014, 43, 3-16.	2.6	4
94	Image Analysis and Recognition. Academic Press Library in Signal Processing, 2014, 4, 267-270.	0.8	0
95	Elastic Shape Analysis of Cylindrical Surfaces for 3D/2D Registration in Endometrial Tissue Characterization. IEEE Transactions on Medical Imaging, 2014, 33, 1035-1043.	5.4	23
96	2D Affine and Projective Shape Analysis. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2014, 36, 998-1011.	9.7	36
97	Analysis of Signals Under Compositional Noise With Applications to SONAR Data. IEEE Journal of Oceanic Engineering, 2014, 39, 318-330.	2.1	8
98	Rate-Invariant Analysis of Trajectories on Riemannian Manifolds with Application in Visual Speech Recognition. , 2014, , .		24
99	Landmark-free statistical analysis of the shape of plant leaves. Journal of Theoretical Biology, 2014, 363, 41-52.	0.8	55
100	Pairwise alignment of chromatograms using an extended Fisher–Rao metric. Analytica Chimica Acta, 2014, 841, 10-16.	2.6	7
101	4-D Facial Expression Recognition by Learning Geometric Deformations. IEEE Transactions on Cybernetics, 2014, 44, 2443-2457.	6.2	63
102	Analysis of juggling data: Alignment, extraction, and modeling of juggling cycles. Electronic Journal of Statistics, 2014, 8, .	0.4	2
103	Analysis of AneuRisk65 data: Elastic shape registration of curves. Electronic Journal of Statistics, 2014, 8, .	0.4	11
104	Statistical analysis of trajectories on Riemannian manifolds: Bird migration, hurricane tracking and video surveillance. Annals of Applied Statistics, 2014, 8, .	0.5	89
105	Analysis of spike train data: Alignment and comparisons using the extended Fisher-Rao metric. Electronic Journal of Statistics, 2014, 8, .	0.4	15
106	Statistics of time warpings and phase variations. Electronic Journal of Statistics, 2014, 8, .	0.4	24
107	Statistical Shape Analysis. , 2014, , 760-770.		1
108	Numerical Inversion of SRNFs for Efficient Elastic Shape Analysis of Star-Shaped Objects. Lecture Notes in Computer Science, 2014, , 485-499.	1.0	11

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109	Analysis of spike train data: Discussion of results. Electronic Journal of Statistics, 2014, 8, .	0.4	0
110	Estimating summary statistics in the spike-train space. Journal of Computational Neuroscience, 2013, 34, 391-410.	0.6	10
111	Gaussian Blurring-Invariant Comparison of Signals and Images. IEEE Transactions on Image Processing, 2013, 22, 3145-3157.	6.0	27
112	Statistical analysis of manual segmentations of structures in medical images. Computer Vision and Image Understanding, 2013, 117, 1036-1050.	3.0	20
113	Shadow Segmentation in SAS and SAR Using Bayesian Elastic Contours. , 2013, , .		0
114	Computing Equilibrium Wealth Distributions in Models with Heterogeneous-Agents, Incomplete Markets and Idiosyncratic Risk. Computational Economics, 2013, 41, 171-193.	1.5	0
115	An efficient multiple protein structure comparison method and its application to structure clustering and outlier detection. , 2013, , .		3
116	Elastic shapes models for improving segmentation of object boundaries in synthetic aperture sonar images. Computer Vision and Image Understanding, 2013, 117, 1695-1710.	3.0	10
117	Generative models for functional data using phase and amplitude separation. Computational Statistics and Data Analysis, 2013, 61, 50-66.	0.7	123
118	3D Face Recognition under Expressions, Occlusions, and Pose Variations. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2013, 35, 2270-2283.	9.7	317
119	Detection, classification and estimation of individual shapes in 2D and 3D point clouds. Computational Statistics and Data Analysis, 2013, 58, 227-241.	0.7	15
120	RNA global alignment in the joint sequenceâ€"structure space using elastic shape analysis. Nucleic Acids Research, 2013, 41, e114-e114.	6.5	14
121	Parallel Transport of Deformations in Shape Space of Elastic Surfaces. , 2013, , .		22
122	Rate-invariant comparisons of covariance paths for visual speech recognition. , 2013, , .		0
123	Landmarkâ€"Guided Elastic Shape Analysis of Sphericallyâ€"Parameterized Surfaces. Computer Graphics Forum, 2013, 32, 429-438.	1.8	54
124	Statistical shape models of plant leaves. , 2013, , .		2
125	Statistical Methods on Special Manifolds for Image and Video Understanding. Handbook of Statistics, 2013, 31, 178-201.	0.4	0
126	Segmentation, alignment and statistical analysis of biosignals with application to disease classification. Journal of Applied Statistics, 2013, 40, 1270-1288.	0.6	14

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127	Morphological changes in the corpus callosum: a study using joint Riemannian feature spaces. , 2013, , .		1
128	Joint Registration and Shape Analysis of Curves and Surfaces. Advances in Computer Vision and Pattern Recognition, 2013, , 213-224.	0.9	0
129	Geometric based 3D facial gender classification. , 2012, , .		8
130	Analysis of signals under compositional noise with applications to SONAR data. , 2012, , .		1
131	Estimation of a mean template from spike-train data. , 2012, 2012, 1323-6.		3
132	A geometric analysis of ODFs as oriented surfaces for interpolation, averaging and denoising in HARDI data. , 2012, , .		4
133	Elastic Geodesic Paths in Shape Space of Parameterized Surfaces. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2012, 34, 1717-1730.	9.7	73
134	Which 3D geometric facial features give up your identity?. , 2012, , .		1
135	Elastic symmetry analysis of anatomical structures. , 2012, , .		4
136	Fitting smoothing splines to time-indexed, noisy points on nonlinear manifolds. Image and Vision Computing, 2012, 30, 428-442.	2.7	52
137	On advances in differential-geometric approaches for 2D and 3D shape analyses and activity recognition. Image and Vision Computing, 2012, 30, 398-416.	2.7	29
138	Statistical Modeling of Curves Using Shapes and Related Features. Journal of the American Statistical Association, 2012, 107, 1152-1165.	1.8	81
139	Boosting 3-D-Geometric Features for Efficient Face Recognition and Gender Classification. IEEE Transactions on Information Forensics and Security, 2012, 7, 1766-1779.	4.5	71
140	Affine-invariant, elastic shape analysis of planar contours. , 2012, , .		14
141	A Riemannian Elastic Metric for Shape-Based Plant Leaf Classification. , 2012, , .		46
142	A Gradient-Descent Method for Curve Fitting on Riemannian Manifolds. Foundations of Computational Mathematics, 2012, 12, 49-73.	1.5	57
143	Elastic Shape Matching of Parameterized Surfaces Using Square Root Normal Fields. Lecture Notes in Computer Science, 2012, , 804-817.	1.0	53
144	A Novel Framework for Metric-Based Image Registration. Lecture Notes in Computer Science, 2012, , 276-285.	1.0	3

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145	SUPIR: Surface Uncertainty-Penalized, Non-rigid Image Registration for Pelvic CT Imaging. Lecture Notes in Computer Science, 2012, , 236-245.	1.0	2
146	WE-E-213CD-05: A Non-Rigid Image Registration Algorithm That Accommodates Organ Segmentation Error. Medical Physics, 2012, 39, 3960-3960.	1.6	1
147	Sélection de caractéristiques géométriques pour la reconnaissance faciale 3D. Traitement Du Signal, 2012, 29, 383-407.	0.8	1
148	Structure-based RNA Function Prediction Using Elastic Shape Analysis. , 2011, , .		4
149	Statistical analysis and classification of acoustic color functions. , 2011, , .		2
150	Shape Analysis of Elastic Curves in Euclidean Spaces. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2011, 33, 1415-1428.	9.7	475
151	Statistical Computations on Grassmann and Stiefel Manifolds for Image and Video-Based Recognition. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2011, 33, 2273-2286.	9.7	295
152	Parameterization-Invariant Shape Comparisons of Anatomical Surfaces. IEEE Transactions on Medical Imaging, 2011, 30, 849-858.	5.4	72
153	An information-geometric framework for statistical inferences in the neural spike train space. Journal of Computational Neuroscience, 2011, 31, 725-748.	0.6	34
154	Silhouette-based gesture and action recognition via modeling trajectories on Riemannian shape manifolds. Computer Vision and Image Understanding, 2011, 115, 439-455.	3.0	65
155	Shape analysis of local facial patches for 3D facial expression recognition. Pattern Recognition, 2011, 44, 1581-1589.	5.1	68
156	Towards statistical summaries of spike train data. Journal of Neuroscience Methods, 2011, 195, 107-110.	1.3	9
157	A joint model for boundaries of multiple anatomical parts. , 2011, , .		1
158	A novel Riemannian metric for analyzing HARDI data. Proceedings of SPIE, 2011, , .	0.8	8
159	Classification of mathematics deficiency using shape and scale analysis of 3D brain structures. Proceedings of SPIE, 2011, , .	0.8	3
160	Blurring-invariant Riemannian metrics for comparing signals and images. , 2011, , .		8
161	Parameterization-Invariant Shape Statistics and Probabilistic Classification of Anatomical Surfaces. Lecture Notes in Computer Science, 2011, 22, 147-158.	1.0	24
162	A Mathematical Framework for Protein Structure Comparison. PLoS Computational Biology, 2011, 7, e1001075.	1.5	37

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163	Optimal linear projections for enhancing desired data statistics. Statistics and Computing, 2010, 20, 267-282.	0.8	4
164	An efficient particle filtering technique on the Grassmann manifold. , 2010, , .		17
165	Detection of Shapes in 2D Point Clouds Generated from Images. , 2010, , .		2
166	Joint Gait-Cadence Analysis for Human Identification Using an Elastic Shape Framework. Communications in Statistics - Theory and Methods, 2010, 39, 1817-1831.	0.6	1
167	A comprehensive riemannian framework for the analysis of white matter fiber tracts. , 2010, , .		17
168	Protein structure alignment using elastic shape analysis. , 2010, , .		14
169	Local 3D Shape Analysis for Facial Expression Recognition. , 2010, , .		27
170	A novel riemannian framework for shape analysis of 3D objects. , 2010, , .		48
171	Guest Editors' Introduction to the Special Section on Shape Analysis and Its Applications in Image Understanding. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2010, 32, 577-578.	9.7	4
172	Geodesic shape distance and integral invariant shape features for automatic target recognition. , 2010, , .		8
173	Multi patches 3D facial representation for person authentication using AdaBoost. , 2010, , .		0
174	A fully statistical framework for shape detection in image primitives. , 2010, , .		0
175	Statistical Analysis on Manifolds and Its Applications to Video Analysis. Studies in Computational Intelligence, 2010, , 115-144.	0.7	9
176	Pose and Expression-Invariant 3D Face Recognition using Elastic Radial Curves. , 2010, , .		35
177	Elastic radial curves to model 3D facial deformations. , 2010, , .		0
178	Bayesian Classification of Shapes Hidden in Point Cloud Data. , 2009, , .		0
179	A Riemannian analysis of 3D nose shapes for partial human biometrics. , 2009, , .		30
180	Intrinsic Bayesian Active Contours for Extraction of Object Boundaries in Images. International Journal of Computer Vision, 2009, 81, 331-355.	10.9	22

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181	An Intrinsic Framework for Analysis of Facial Surfaces. International Journal of Computer Vision, 2009, 82, 80-95.	10.9	77
182	An experimental illustration of 3D facial shape analysis under facial expressions. Annales Des Telecommunications/Annals of Telecommunications, 2009, 64, 369-379.	1.6	8
183	Rate-Invariant Recognition of Humans and Their Activities. IEEE Transactions on Image Processing, 2009, 18, 1326-1339.	6.0	89
184	Looking for Shapes in Two-Dimensional Cluttered Point Clouds. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2009, 31, 1616-1629.	9.7	40
185	Nasal Region Contribution in 3D Face Biometrics Using Shape Analysis Framework. Lecture Notes in Computer Science, 2009, , 357-366.	1.0	7
186	Joint shape and texture analysis of objects boundaries in images using a Riemannian approach. , 2008, , .		2
187	Modeling spatial patterns of shapes. , 2008, 2008, 1144-1147.		1
188	Riemannian Analysis of Probability Density Functions with Applications in Vision. , 2007, , .		111
189	Gait-Based Human Recognition by Classification of Cyclostationary Processes on Nonlinear Shape Manifolds. Journal of the American Statistical Association, 2007, 102, 1114-1124.	1.8	16
190	A Framework of Calculus on Facial Surfaces. , 2007, , .		5
191	A Novel Representation for Riemannian Analysis of Elastic Curves in Rn. , 2007, 2007, 1-7.		154
192	A Pattern-Theoretic Characterization of Biological Growth. IEEE Transactions on Medical Imaging, 2007, 26, 648-659.	5.4	38
193	On Shape of Plane Elastic Curves. International Journal of Computer Vision, 2007, 73, 307-324.	10.9	170
194	Removing Shape-Preserving Transformations in Square-Root Elastic (SRE) Framework for Shape Analysis of Curves. Lecture Notes in Computer Science, 2007, 4679, 387-398.	1.0	47
195	Three-Dimensional Face Recognition Using Shapes of Facial Curves. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2006, 28, 1858-1863.	9.7	252
196	Contour Inferences for Image Understanding. International Journal of Computer Vision, 2006, 69, 137-144.	10.9	4
197	Geodesics Between 3D Closed Curves Using Path-Straightening. Lecture Notes in Computer Science, 2006, , 95-106.	1.0	43
198	Shape Estimation and Object Classification in Images Using Geometric Priors. , 2006, , .		1

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199	Tools for application-driven linear dimension reduction. Neurocomputing, 2005, 67, 136-160.	3.5	23
200	Analysis of planar shapes using geodesic paths on shape spaces. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2004, 26, 372-383.	9.7	383
201	Optimal linear representations of images for object recognition. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2004, 26, 662-666.	9.7	73
202	Bayesian and geometric subspace tracking. Advances in Applied Probability, 2004, 36, 43-56.	0.4	82
203	Bayesian and geometric subspace tracking. Advances in Applied Probability, 2004, 36, 43-56.	0.4	43
204	Statistical Search for Hierarchical Linear Optimal Representations of Images. , 2003, , .		0
205	Jumpâ€"diffusion Markov processes on orthogonal groups for object pose estimation. Journal of Statistical Planning and Inference, 2002, 103, 15-37.	0.4	34