

Allen Tannenbaum

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

187
papers

5,834
citations

39
h-index

73
g-index

207
ext. papers

6,886
ext. citations

4
avg, IF

5.75
L-index

#	Paper	IF	Citations
187	Glymphatic Cerebrospinal Fluid and Solute Transport Quantified by MRI and PET Imaging. <i>Neuroscience</i> , 2021 , 474, 63-79	3.9	17
186	A novel kernel Wasserstein distance on Gaussian measures: An application of identifying dental artifacts in head and neck computed tomography. <i>Computers in Biology and Medicine</i> , 2020 , 120, 103731	7	6
185	Perivascular spaces in the brain: anatomy, physiology and pathology. <i>Nature Reviews Neurology</i> , 2020 , 16, 137-153	15	161
184	Fisher-Rao Regularized Transport Analysis of the Glymphatic System and Waste Drainage. <i>Lecture Notes in Computer Science</i> , 2020 , 12267, 573-582	0.9	2
183	The glymphatic system and its role in cerebral homeostasis. <i>Journal of Applied Physiology</i> , 2020 , 129, 1330-1340	3.7	11
182	Equi-affine differential invariants for invariant feature point detection. <i>European Journal of Applied Mathematics</i> , 2020 , 31, 277-296	1	0
181	Interpolation of matrices and matrix-valued densities: The unbalanced case. <i>European Journal of Applied Mathematics</i> , 2019 , 30, 458-480	1	7
180	Optimal mass transport kinetic modeling for head and neck DCE-MRI: Initial analysis. <i>Magnetic Resonance in Medicine</i> , 2019 , 82, 2314-2325	4.4	2
179	Machine Learning for Joint Classification and Segmentation. <i>Lecture Notes in Control and Information Sciences - Proceedings</i> , 2018 , 327-339	0.2	
178	Guiding Image Segmentation on the Fly: Interactive Segmentation From a Feedback Control Perspective. <i>IEEE Transactions on Automatic Control</i> , 2018 , 63, 3276-3289	5.9	2
177	Vector-Valued Optimal Mass Transport. <i>SIAM Journal on Applied Mathematics</i> , 2018 , 78, 1682-1696	1.8	13
176	An Efficient Algorithm for Matrix-Valued and Vector-Valued Optimal Mass Transport. <i>Journal of Scientific Computing</i> , 2018 , 77, 79-100	2.3	9
175	GlymphVIS: Visualizing Glymphatic Transport Pathways Using Regularized Optimal Transport. <i>Lecture Notes in Computer Science</i> , 2018 , 11070, 844-852	0.9	12
174	Wasserstein Geometry of Quantum States and Optimal Transport of Matrix-Valued Measures. <i>Lecture Notes in Control and Information Sciences - Proceedings</i> , 2018 , 139-150	0.2	7
173	Optimal transport for Gaussian mixture models. <i>IEEE Access</i> , 2018 , 7, 6269-6278	3.5	20
172	Matricial Wasserstein-1 Distance 2017 , 1, 14-19		6
171	Evaluation of nucleus segmentation in digital pathology images through large scale image synthesis. <i>Proceedings of SPIE</i> , 2017 , 10140,	1.7	4

170	Cerebrospinal and interstitial fluid transport via the glymphatic pathway modeled by optimal mass transport. <i>NeuroImage</i> , 2017 , 152, 530-537	7.9	42
169	Interactive Image Segmentation Framework Based On Control Theory. <i>Proceedings of SPIE</i> , 2015 , 9413,	1.7	1
168	Optimal-mass-transfer-based estimation of glymphatic transport in living brain. <i>Proceedings of SPIE</i> , 2015 , 9413,	1.7	14
167	A complete system for automatic extraction of left ventricular myocardium from CT images using shape segmentation and contour evolution. <i>IEEE Transactions on Image Processing</i> , 2014 , 23, 1340-51	8.7	8
166	Macroscopic analysis of crowd motion in video sequences 2014 ,		2
165	Reconstruction and Feature Selection for Desorption Electrospray Ionization Mass Spectroscopy Imagery. <i>Proceedings of SPIE</i> , 2014 , 9036, 90360D	1.7	2
164	Interpolation of Longitudinal Shape and Image Data via Optimal Mass Transport. <i>Proceedings of SPIE</i> , 2014 , 9034, 90342X	1.7	1
163	Optical flow estimation for flame detection in videos. <i>IEEE Transactions on Image Processing</i> , 2013 , 22, 2786-97	8.7	70
162	Sparse texture active contour. <i>IEEE Transactions on Image Processing</i> , 2013 , 22, 3866-78	8.7	22
161	Automated skin segmentation in ultrasonic evaluation of skin toxicity in breast cancer radiotherapy. <i>Ultrasound in Medicine and Biology</i> , 2013 , 39, 2166-75	3.5	21
160	Particle Filters and Occlusion Handling for Rigid 2D-3D Pose Tracking. <i>Computer Vision and Image Understanding</i> , 2013 , 117, 922-933	4.3	13
159	Automatic segmentation of the left atrium from MR images via variational region growing with a moments-based shape prior. <i>IEEE Transactions on Image Processing</i> , 2013 , 22, 5111-22	8.7	28
158	Automatic delineation of the myocardial wall from CT images via shape segmentation and variational region growing. <i>IEEE Transactions on Biomedical Engineering</i> , 2013 , 60, 2887-95	5	18
157	Interactive medical image segmentation using PDE control of active contours. <i>IEEE Transactions on Medical Imaging</i> , 2013 , 32, 2127-39	11.7	29
156	Anomaly detection in videos: A dynamical systems approach 2013 ,		3
155	Matrix-valued Monge-Kantorovich optimal mass transport 2013 ,		1
154	Multiscale 3D shape representation and segmentation with applications to hippocampal/caudate extraction from brain MRI. <i>Medical Image Analysis</i> , 2012 , 16, 374-85	15.4	15
153	Nano filler dispersion in polymer composites for electronic packaging 2012 ,		4

152	A 3D interactive multi-object segmentation tool using local robust statistics driven active contours. <i>Medical Image Analysis</i> , 2012 , 16, 1216-27	15.4	56
151	Automatic segmentation of the left atrium from MRI images using salient feature and contour evolution. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2012 , 2012, 3211-4	0.9	3
150	Optimal Mass Transport for Problems in Control, Statistical Estimation, and Image Analysis 2012 , 311-324		1
149	Human Supervisory Control Framework for Interactive Medical Image Segmentation 2012 , 77-88		
148	Particle Filtering with Region-based Matching for Tracking of Partially Occluded and Scaled Targets. <i>SIAM Journal on Imaging Sciences</i> , 2011 , 4, 220-242	1.9	3
147	A nonrigid kernel-based framework for 2D-3D pose estimation and 2D image segmentation. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2011 , 33, 1098-115	13.3	18
146	Nonparametric clustering for studying RNA conformations. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2011 , 8, 1604-19	3	2
145	Object tracking and target reacquisition based on 3-D range data for moving vehicles. <i>IEEE Transactions on Image Processing</i> , 2011 , 20, 2912-24	8.7	4
144	Interactive MRI Segmentation with Controlled Active Vision 2011 , 2293-2298	1.3	2
143	TEMPORAL REGISTRATION OF PARTIAL DATA USING PARTICLE FILTERING. <i>Proceedings International Conference on Image Processing</i> , 2011 , 2177-2180	1.6	1
142	A video analytics framework for amorphous and unstructured anomaly detection 2011 ,		2
141	Simultaneous Multi-object Segmentation Using Local Robust Statistics and Contour Interaction. <i>Lecture Notes in Computer Science</i> , 2011 , 195-203	0.9	6
140	Sparse Blind Source Separation via ℓ_1 -Norm Optimization. <i>Lecture Notes in Control and Information Sciences</i> , 2010 , 321-330	0.5	
139	Signals and control aspects of optimal mass transport and the Boltzmann entropy 2010 ,		11
138	Trajectory control of PbSe-gamma-Fe ₂ O ₃ nanoplateforms under viscous flow and an external magnetic field. <i>Nanotechnology</i> , 2010 , 21, 175702	3.4	3
137	Deform PF-MT: particle filter with mode tracker for tracking nonaffine contour deformations. <i>IEEE Transactions on Image Processing</i> , 2010 , 19, 841-57	8.7	24
136	3D Automatic Segmentation of the Hippocampus Using Wavelets with Applications to Radiotherapy Planning. <i>Advances in Intelligent and Soft Computing</i> , 2010 , 17-31		
135	AN EFFICIENT NUMERICAL METHOD FOR THE SOLUTION OF THE L(2) OPTIMAL MASS TRANSFER PROBLEM. <i>SIAM Journal of Scientific Computing</i> , 2010 , 32, 197-211	2.6	38

134	A Geometric Approach to Joint 2D Region-Based Segmentation and 3D Pose Estimation Using a 3D Shape Prior. <i>SIAM Journal on Imaging Sciences</i> , 2010 , 3, 110-132	1.9	18
133	Point set registration via particle filtering and stochastic dynamics. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2010 , 32, 1459-73	13.3	65
132	Texture mapping via optimal mass transport. <i>IEEE Transactions on Visualization and Computer Graphics</i> , 2010 , 16, 419-33	4	40
131	Tubular surface segmentation for extracting anatomical structures from medical imagery. <i>IEEE Transactions on Medical Imaging</i> , 2010 , 29, 1945-58	11.7	22
130	Affine Registration of label maps in Label Space 2010 , 2, 1-11		5
129	Non-rigid 2D-3D pose estimation and 2D image segmentation 2009 ,		14
128	Vision-Based Range Regulation of a Leader-Follower Formation. <i>IEEE Transactions on Control Systems Technology</i> , 2009 , 17, 442-448	4.8	27
127	Anterior cruciate ligament reconstruction in the skeletally immature: an anatomical study utilizing 3-dimensional magnetic resonance imaging reconstructions. <i>Journal of Pediatric Orthopaedics</i> , 2009 , 29, 124-9	2.4	83
126	Localizing region-based active contours. <i>IEEE Transactions on Image Processing</i> , 2008 , 17, 2029-39	8.7	809
125	Finsler active contours. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2008 , 30, 412-23	13.3	74
124	A framework for image segmentation using shape models and kernel space shape priors. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2008 , 30, 1385-99	13.3	81
123	Geometric observers for dynamically evolving curves. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2008 , 30, 1093-108	13.3	13
122	Localized Statistics for DW-MRI Fiber Bundle Segmentation. <i>Proceedings of the IEEE Computer Society Conference on Computer Vision and Pattern Recognition</i> , 2008 , 1-8	6	6
121	Fast approximate surface evolution in arbitrary dimension. <i>Proceedings of SPIE</i> , 2008 , 6914,	1.7	7
120	A new distribution metric for image segmentation 2008 ,		8
119	TAC: Thresholding active contours 2008 ,		1
118	On approximation of smooth functions from samples of partial derivatives with application to phase unwrapping. <i>Signal Processing</i> , 2008 , 88, 358-374	4.4	5
117	On the Computation of Optimal Transport Maps Using Gradient Flows and Multiresolution Analysis. <i>Lecture Notes in Control and Information Sciences</i> , 2008 , 65-78	0.5	0

116	Label Space: A Multi-object Shape Representation 2008 , 185-196		
115	Robust 3D Pose Estimation and Efficient 2D Region-Based Segmentation from a 3D Shape Prior. <i>Lecture Notes in Computer Science</i> , 2008 , 169-182	0.9	27
114	Blind deconvolution of medical ultrasound images: a parametric inverse filtering approach. <i>IEEE Transactions on Image Processing</i> , 2007 , 16, 3005-19	8.7	82
113	An image morphing technique based on optimal mass preserving mapping. <i>IEEE Transactions on Image Processing</i> , 2007 , 16, 1481-95	8.7	36
112	Multi-Object Tracking Through Clutter Using Graph Cuts 2007 ,		17
111	A generic framework for tracking using particle filter with dynamic shape prior. <i>IEEE Transactions on Image Processing</i> , 2007 , 16, 1370-82	8.7	43
110	Locally-Constrained Region-Based Methods for DW-MRI Segmentation. <i>Proceedings of the IEEE International Conference on Computer Vision</i> , 2007 , 1-8	3.3	6
109	Graph Cut Segmentation with Nonlinear Shape Priors 2007 ,		48
108	Fast Optimal Mass Transport for Dynamic Active Contour Tracking on the GPU 2007 ,		2
107	Tissue Tracking: Applications for Brain MRI Classification. <i>Proceedings of SPIE</i> , 2007 , 6512,	1.7	1
106	Hybrid geodesic region-based curve evolutions for image segmentation 2007 ,		46
105	Multiscale 3-D shape representation and segmentation using spherical wavelets. <i>IEEE Transactions on Medical Imaging</i> , 2007 , 26, 598-618	11.7	59
104	Tracking deforming objects using particle filtering for geometric active contours. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2007 , 29, 1470-5	13.3	122
103	Image segmentation using active contours driven by the Bhattacharyya gradient flow. <i>IEEE Transactions on Image Processing</i> , 2007 , 16, 2787-801	8.7	210
102	Finsler tractography for white matter connectivity analysis of the cingulum bundle 2007 , 10, 36-43		24
101	Statistical analysis of RNA backbone. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2006 , 3, 33-46	3	24
100	Dynamic Active Contours for Visual Tracking. <i>IEEE Transactions on Automatic Control</i> , 2006 , 51, 562-579	5.9	29
99	Single nucleotide RNA choreography. <i>Nucleic Acids Research</i> , 2006 , 34, 1481-91	20.1	37

98	Affine invariant surface evolutions for 3D image segmentation 2006 ,		1
97	Shape-Based Approach to Robust Image Segmentation using Kernel PCA. <i>Proceedings of the IEEE Computer Society Conference on Computer Vision and Pattern Recognition</i> , 2006 , 977-984	6	7
96	Curve Shortening and Interacting Particle Systems. <i>Modeling and Simulation in Science, Engineering and Technology</i> , 2006 , 303-311	0.8	0
95	Medial Axis Computation and Evolution. <i>Modeling and Simulation in Science, Engineering and Technology</i> , 2006 , 1-28	0.8	5
94	Shape-driven 3D segmentation using spherical wavelets. <i>Lecture Notes in Computer Science</i> , 2006 , 9, 66-74	19	10
93	A Shape-Based Approach to Robust Image Segmentation. <i>Lecture Notes in Computer Science</i> , 2006 , 173-183	13	12
92	Comparative Analysis of Kernel Methods for Statistical Shape Learning. <i>Lecture Notes in Computer Science</i> , 2006 , 96-107	0.9	6
91	Flattening maps for the visualization of multibranched vessels. <i>IEEE Transactions on Medical Imaging</i> , 2005 , 24, 191-8	11.7	37
90	Coronary vessel cores from 3D imagery: a topological approach 2005 ,		4
89	Flux driven automatic centerline extraction. <i>Medical Image Analysis</i> , 2005 , 9, 209-21	15.4	139
88	Mass preserving registration for heart MR images. <i>Lecture Notes in Computer Science</i> , 2005 , 8, 147-54	0.9	1
87	Knowledge-based 3D segmentation and reconstruction of coronary arteries using CT images. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2004 , 2004, 1664-6		14
86	Optimal Mass Transport for Registration and Warping. <i>International Journal of Computer Vision</i> , 2004 , 60, 225-240	10.6	210
85	A statistically based flow for image segmentation. <i>Medical Image Analysis</i> , 2004 , 8, 267-74	15.4	33
84	Area-Preserving Mappings for the Visualization of Medical Structures. <i>Lecture Notes in Computer Science</i> , 2003 , 277-284	0.9	9
83	Stochastic approximations to curve-shortening flows via particle systems. <i>Journal of Differential Equations</i> , 2003 , 195, 119-142	2.1	4
82	Minimizing Flows for the Monge--Kantorovich Problem. <i>SIAM Journal on Mathematical Analysis</i> , 2003 , 35, 61-97	1.7	99
81	Automated identification of RNA conformational motifs: theory and application to the HM LSU 23S rRNA. <i>Nucleic Acids Research</i> , 2003 , 31, 6249-57	20.1	46

80	Crystalline Stochastic Systems and Curvature Driven Flows. <i>The IMA Volumes in Mathematics and Its Applications</i> , 2003 , 41-61	0.5	
79	Segmentation of Diffusion Tensor Imagery 2003 , 239-247		2
78	Hamilton-Jacobi Skeletons. <i>International Journal of Computer Vision</i> , 2002 , 48, 215-231	10.6	193
77	4D Active Surfaces for Cardiac Analysis. <i>Lecture Notes in Computer Science</i> , 2002 , 667-673	0.9	2
76	Visual Tracking and Object Recognition. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2001 , 34, 1539-1542		
75	On the eye tracking problem: a challenge for robust control. <i>International Journal of Robust and Nonlinear Control</i> , 2000 , 10, 875-888	3.6	2
74	Non-distorting Flattening for Virtual Colonoscopy. <i>Lecture Notes in Computer Science</i> , 2000 , 358-366	0.9	11
73	Noise-Resistant Affine Skeletons of Planar Curves. <i>Lecture Notes in Computer Science</i> , 2000 , 742-754	0.9	4
72	On Area Preserving Mappings of Minimal Distortion. <i>Kluwer International Series in Engineering and Computer Science</i> , 2000 , 275-286		7
71	Computation of the singular values of Toeplitz operators and the gap metric. <i>Systems and Control Letters</i> , 1999 , 36, 327-338	2.4	1
70	Affine Invariant Detection: Edge Maps, Anisotropic Diffusion, and Active Contours. <i>Acta Applicandae Mathematicae</i> , 1999 , 59, 45-77	1.1	22
69	Shapes, shocks and wiggles. <i>Image and Vision Computing</i> , 1999 , 17, 365-373	3.7	36
68	Conformal Geometry and Brain Flattening. <i>Lecture Notes in Computer Science</i> , 1999 , 271-278	0.9	18
67	Differential and Numerically Invariant Signature Curves Applied to Object Recognition. <i>International Journal of Computer Vision</i> , 1998 , 26, 107-135	10.6	130
66	On the affine heat equation for non-convex curves. <i>Journal of the American Mathematical Society</i> , 1998 , 11, 601-634	1.6	40
65	Visual tracking, active vision, and gradient flows 1998 , 183-194		2
64	Gradients, Curvature, and Visual Tracking 1998 , 375-390		
63	Invariant Geometric Evolutions of Surfaces and Volumetric Smoothing. <i>SIAM Journal on Applied Mathematics</i> , 1997 , 57, 176-194	1.8	41

62 On the Nonlinear Standard H ∞ Problem **1997**, 413-429

61 Differential Invariants and Curvature Flows in Active Vision. *European Consortium for Mathematics in Industry*, **1997**, 196-213

60 Skew Toeplitz Solution to The H ∞ ; Problem for Infinite-Dimensional Unstable Plants. *Transactions of the Society of Instrument and Control Engineers*, **1997**, 33, 1066-1071 0.1

59 The Structured Singular Value for Linear Input/Output Operators. *SIAM Journal on Control and Optimization*, **1996**, 34, 1392-1404 1.9 16

58 New Solution to the Two Block H ∞ Problem for Infinite-Dimensional Stable Plants. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **1996**, 29, 3051-3056

57 Affine Geometry, Curve Flows, and Invariant Numerical Approximations. *Advances in Mathematics*, **1996**, 124, 154-196 1.3 47

56 Conformal curvature flows: From phase transitions to active vision. *Archive for Rational Mechanics and Analysis*, **1996**, 134, 275-301 2.3 299

55 New Solution to The Two Block H ∞ ; Problem for Infinite-Dimensional Stable Plants. *Transactions of the Society of Instrument and Control Engineers*, **1996**, 32, 1416-1424 0.1 2

54 Affine invariant gradient flows. *Lecture Notes in Control and Information Sciences*, **1996**, 194-200 0.5

53 Nonlinearity in H ∞ control theory, causality in the commutant lifting theorem, and extension of intertwining operators. *Integral Equations and Operator Theory*, **1995**, 23, 89-100 0.5

52 Nonlinear H^∞ Optimization: A Causal Power Series Approach. *SIAM Journal on Control and Optimization*, **1995**, 33, 185-207 1.9 2

51 On the structured singular value for operators on Hilbert space **1995**, 11-23 2

50 The Equivalence among the Solutions of the H ∞ ; Optimal Sensitivity Computation Problem. *Transactions of the Society of Instrument and Control Engineers*, **1995**, 31, 1954-1961 0.1 1

49 On combined H ∞ H 2 suboptimal interpolants. *Linear Algebra and Its Applications*, **1994**, 203-204, 443-469 0.9 3

48 Area and length preserving geometric invariant scale-spaces. *Lecture Notes in Computer Science*, **1994**, 449-458 0.9 3

47 Differential Invariant Signatures and Flows in Computer Vision: A Symmetry Group Approach. *Computational Imaging and Vision*, **1994**, 255-306 25

46 H^∞ -Optimal Control and Related Minimax Design Problems (Tamer Basar and Pierre Bernhard). *SIAM Review*, **1993**, 35, 538-540 7.4 0

45 Frequency domain methods for the H ∞ Optimization of distributed systems **1993**, 242-278 3

44	Mixed-sensitivity optimization for a class of unstable infinite-dimensional systems. <i>Linear Algebra and Its Applications</i> , 1993 , 178, 43-83	0.9	20
43	Affine invariant scale-space. <i>International Journal of Computer Vision</i> , 1993 , 11, 25-44	10.6	229
42	. <i>Indiana University Mathematics Journal</i> , 1993 , 42, 985	0.6	44
41	Generalized Interpolation Theory and Its Application to Robust Control Design. <i>Control and Dynamic Systems</i> , 1993 , 163-217		
40	Abstract model and controller design for an unstable aircraft. <i>Journal of Guidance, Control, and Dynamics</i> , 1992 , 15, 498-508	2.1	28
39	On the evolution of curves via a function of curvature. I. The classical case. <i>Journal of Mathematical Analysis and Applications</i> , 1992 , 163, 438-458	1.1	110
38	On the optimal two block H_2 compensators for distributed unstable plants 1992 ,		2
37	A spectral commutant lifting theorem. <i>Transactions of the American Mathematical Society</i> , 1991 , 325, 741-763	1	31
36	A lifting technique for linear periodic systems with applications to sampled-data control. <i>Systems and Control Letters</i> , 1991 , 17, 79-88	2.4	252
35	On the structure of suboptimal H_2 controllers in the sensitivity minimization problem for distributed stable plants. <i>Automatica</i> , 1991 , 27, 293-305	5.7	12
34	Frequency domain analysis and robust control design for an ideal flexible beam. <i>Automatica</i> , 1991 , 27, 947-961	5.7	40
33	Toward a computational theory of shape: An overview. <i>Lecture Notes in Computer Science</i> , 1990 , 402-407.	0.9	60
32	A Skew Toeplitz Approach to the H^∞ Optimal Control of Multivariable Distributed Systems. <i>SIAM Journal on Control and Optimization</i> , 1990 , 28, 653-670	1.9	39
31	Nonlinear H_2 Theory 1990 , 267-276		
30	Operator Theoretic Methods in the Control of Distributed and Nonlinear Systems. <i>The IMA Volumes in Mathematics and Its Applications</i> , 1990 , 51-78	0.5	
29	Standard Problem for Distributed Systems 1990 , 599-608		
28	On the parametrization of the suboptimal solutions in generalized interpolation. <i>Linear Algebra and Its Applications</i> , 1989 , 122-124, 145-164	0.9	8
27	Weighted Optimization Theory for Nonlinear Systems. <i>SIAM Journal on Control and Optimization</i> , 1989 , 27, 842-860	1.9	17

26	Iterative Commutant Lifting for Systems with Rational Symbol 1989 , 255-277		1
25	Iterative Commutant Lifting for Systems with Rational Symbol 1989 , 747-769		
24	On the four block problem, II: The singular system. <i>Integral Equations and Operator Theory</i> , 1988 , 11, 726-767	0.5	41
23	Some remarks on optimal interpolation. <i>Systems and Control Letters</i> , 1988 , 11, 259-264	2.4	7
22	On the Nehari problem for a certain class of LIFunctions appearing in control theory, II. <i>Journal of Functional Analysis</i> , 1988 , 81, 207-218	1.4	4
21	Weighted sensitivity minimization: General plants in H^∞ and rational weights. <i>Linear Algebra and Its Applications</i> , 1988 , 109, 71-90	0.9	26
20	Some Explicit Formulae for the Singular Values of Certain Hankel Operators with Factorizable Symbol. <i>SIAM Journal on Mathematical Analysis</i> , 1988 , 19, 1081-1089	1.7	58
19	Optimal sensitivity theory for multivariate distributed plants. <i>International Journal of Control</i> , 1988 , 47, 985-992	1.5	2
18	On the Four Block Problem, I. <i>Operator Theory: Advances and Applications</i> , 1988 , 93-112	0.4	24
17	On skew Toeplitz operations, I 1987 ,		1
16	On the H^∞ -Optimal Sensitivity Problem for Systems with Delays. <i>SIAM Journal on Control and Optimization</i> , 1987 , 25, 686-705	1.9	58
15	Spectral Nevanlinna-Pick interpolation theory and robust stabilization 1987 ,		3
14	Weighted sensitivity minimization: General plants in H^∞ and rational weights 1987 ,		1
13	On the Nehari problem for a certain class of LIFunctions appearing in control theory. <i>Journal of Functional Analysis</i> , 1987 , 74, 146-159	1.4	35
12	Sensitivity minimization for arbitrary SISO distributed plants. <i>Systems and Control Letters</i> , 1987 , 8, 189-195	1.4	14
11	On the uniqueness of a minimal norm representative of an operator in the commutant of the compressed shift. <i>Proceedings of the American Mathematical Society</i> , 1987 , 101, 687-687	0.8	2
10	On decoupling the H^∞ optimal sensitivity problem for products of plants. <i>Systems and Control Letters</i> , 1986 , 7, 239-245	2.4	9
9	Gain optimization for distributed plants. <i>Systems and Control Letters</i> , 1986 , 6, 295-301	2.4	9

8	On the multivariable gain margin problem. <i>Automatica</i> , 1986 , 22, 381-383	5.7	11
7	Proper stable Bezout factorizations and feedback control of linear time-delay systems□ <i>International Journal of Control</i> , 1986 , 43, 837-857	1.5	56
6	On the Sensitivity Minimization Problem for Linear Time-Varying Periodic Systems. <i>SIAM Journal on Control and Optimization</i> , 1986 , 24, 1076-1085	1.9	28
5	1986 ,		3
4	Modified Nevanlinna-Pick interpolation and feedback stabilization of linear plants with uncertainty in the gain factor. <i>International Journal of Control</i> , 1982 , 36, 331-336	1.5	38
3	Families of curves with nodes onKB surfaces. <i>Mathematische Annalen</i> , 1982 , 260, 239-253	1	29
2	Feedback stabilization of linear dynamical plants with uncertainty in the gain factor. <i>International Journal of Control</i> , 1980 , 32, 1-16	1.5	90
1	Non-rigid 2D-3D pose estimation and 2D image segmentation		2