Rene Vidal

List of Publications by Year
in descending order

34 papers	5,128 citations	687363 13 h-index	794594 19 g-index
34 all docs	34 docs citations	34 times ranked	3778 citing authors

#	Article	IF	Citations
1	Actor-Centric Tubelets for Real-Time Activity Detection in Extended Videos. , 2022, , .		0
2	Computerized Assessment of Motor Imitation as a Scalable Method for Distinguishing Children With Autism. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2021, 6, 321-328.	1.5	14
3	What is the Largest Sparsity Pattern That Can Be Recovered by 1-Norm Minimization?. IEEE Transactions on Information Theory, 2021, 67, 3060-3074.	2.4	1
4	GEARing smart environments for pediatric motor rehabilitation. Journal of NeuroEngineering and Rehabilitation, 2020, 17, 16.	4.6	26
5	Special Issue on the Mathematical Foundations of Deep Learning in Imaging Science. Journal of Mathematical Imaging and Vision, 2020, 62, 277-278.	1.3	0
6	Representation Learning on Visual-Symbolic Graphs for Video Understanding. Lecture Notes in Computer Science, 2020, , 71-90.	1.3	13
7	Global Optimality in Separable Dictionary Learning with Applications to the Analysis of Diffusion MRI. SIAM Journal on Imaging Sciences, 2019, 12, 1967-2008.	2.2	4
8	Realization Theory for a Class of Stochastic Bilinear Systems. IEEE Transactions on Automatic Control, 2018, 63, 69-84.	5.7	12
9	Sparse Recovery over Graph Incidence Matrices. , 2018, , .		7
10	Guest Editorial: Best Papers from ICCV 2015. International Journal of Computer Vision, 2017, 125, 1-2.	15.6	2
11	Deep Moving Poselets for Video Based Action Recognition. , 2017, , .		6
12	Temporal Convolutional Networks for Action Segmentation and Detection. , 2017, , .		807
13	Analysis of the Structure of Surgical Activity for a Suturing and Knot-Tying Task. PLoS ONE, 2016, 11, e0149174.	2.5	24
14	Scalable Sparse Subspace Clustering by Orthogonal Matching Pursuit. , 2016, , .		233
15	A Structured Sparse Plus Structured Low-Rank Framework for Subspace Clustering and Completion. IEEE Transactions on Signal Processing, 2016, 64, 6557-6570.	5.3	52
16	Learning convolutional action primitives for fine-grained action recognition. , 2016, , .		68
17	Kernel sparse subspace clustering. , 2014, , .		144
18	Sparse Subspace Clustering: Algorithm, Theory, and Applications. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2013, 35, 2765-2781.	13.9	2,282

#	Article	IF	Citations
19	Initial-state invariant Binet-Cauchy kernels for the comparison of Linear Dynamical Systems. , 2013, , .		0
20	Block-Sparse Recovery via Convex Optimization. IEEE Transactions on Signal Processing, 2012, 60, 4094-4107.	5.3	116
21	Distributed Computer Vision Algorithms. IEEE Signal Processing Magazine, 2011, 28, 32-45.	5.6	40
22	Sparsity in unions of subspaces for classification and clustering of high-dimensional data. , 2011, , .		2
23	Sparse Riemannian manifold clustering for HARDI segmentation. , 2011, , .		9
24	Nonlinear hybrid system identification with kernel models. , 2010, , .		13
25	Estimation of multimodal orientation distribution functions from cardiac MRI for tracking Purkinje fibers through branchings. , 2009, , .		3
26	Multiframe Motion Segmentation with Missing Data Using PowerFactorization and GPCA. International Journal of Computer Vision, 2008, 79, 85-105.	15.6	170
27	Three-View Multibody Structure from Motion. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2008, 30, 214-227.	13.9	31
28	Nonlinear filtering for extracting orientation and tracing tubular structures in 2-D medical images. , 2008, , .		2
29	EPICARDIAL SEGMENTATION IN DYNAMIC CARDIAC MR SEQUENCES USING PRIORS ON SHAPE, INTENSITY, AND DYNAMICS, IN A LEVEL SET FRAMEWORK. , 2007, , .		4
30	Binet-Cauchy Kernels on Dynamical Systems and its Application to the Analysis of Dynamic Scenes. International Journal of Computer Vision, 2007, 73, 95-119.	15.6	97
31	Two-View Multibody Structure from Motion. International Journal of Computer Vision, 2006, 68, 7-25.	15.6	119
32	A Unified Algebraic Approach to 2-D and 3-D Motion Segmentation and Estimation. Journal of Mathematical Imaging and Vision, 2006, 25, 403-421.	1.3	48
33	Generalized principal component analysis (GPCA). IEEE Transactions on Pattern Analysis and Machine Intelligence, 2005, 27, 1945-1959.	13.9	752
34	Rank Conditions on the Multiple-View Matrix. International Journal of Computer Vision, 2004, 59, 115-137.	15.6	27