

# Silvia Villa

## List of Publications by Year in descending order

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27  
papers

436  
citations

840585

11  
h-index

752573

20  
g-index

29  
all docs

29  
docs citations

29  
times ranked

351  
citing authors

#	ARTICLE	IF	CITATIONS
1	Convergence of the forward-backward algorithm: beyond the worst-case with the help of geometry. <i>Mathematical Programming</i> , 2023, 198, 937-996.	1.6	6
2	Parallel random block-coordinate forward-backward algorithm: a unified convergence analysis. <i>Mathematical Programming</i> , 2022, 193, 225-269.	1.6	6
3	Accelerated Iterative Regularization via Dual Diagonal Descent. <i>SIAM Journal on Optimization</i> , 2021, 31, 754-784.	1.2	5
4	Convergence of Stochastic Proximal Gradient Algorithm. <i>Applied Mathematics and Optimization</i> , 2020, 82, 891-917.	0.8	30
5	Thresholding gradient methods in Hilbert spaces: support identification and linear convergence. <i>ESAIM - Control, Optimisation and Calculus of Variations</i> , 2020, 26, 28.	0.7	4
6	Consistent learning by composite proximal thresholding. <i>Mathematical Programming</i> , 2018, 167, 99-127.	1.6	9
7	Regularized learning schemes in feature Banach spaces. <i>Analysis and Applications</i> , 2018, 16, 1-54.	1.2	13
8	Modified Fejér sequences and applications. <i>Computational Optimization and Applications</i> , 2018, 71, 95-113.	0.9	5
9	Iterative Regularization via Dual Diagonal Descent. <i>Journal of Mathematical Imaging and Vision</i> , 2018, 60, 189-215.	0.8	17
10	A First-Order Stochastic Primal-Dual Algorithm with Correction Step. <i>Numerical Functional Analysis and Optimization</i> , 2017, 38, 602-626.	0.6	7
11	Stochastic gradient methods for stochastic model predictive control. , 2016, , .		1
12	Stochastic Forward-Backward Splitting for Monotone Inclusions. <i>Journal of Optimization Theory and Applications</i> , 2016, 169, 388-406.	0.8	32
13	A stochastic inertial forward-backward splitting algorithm for multivariate monotone inclusions. <i>Optimization</i> , 2016, 65, 1293-1314.	1.0	22
14	Learning multiple visual tasks while discovering their structure. , 2015, , .		6
15	Proximal methods for the latent group lasso penalty. <i>Computational Optimization and Applications</i> , 2014, 58, 381-407.	0.9	19
16	An extension of Mercer theorem to matrix-valued measurable kernels. <i>Applied and Computational Harmonic Analysis</i> , 2013, 34, 339-351.	1.1	19
17	Accelerated and Inexact Forward-Backward Algorithms. <i>SIAM Journal on Optimization</i> , 2013, 23, 1607-1633.	1.2	121
18	On Learnability, Complexity and Stability. , 2013, , 59-69.		0

#	ARTICLE	IF	CITATIONS
19	Is there sparsity beyond additive models?. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 971-976.	0.4	5
20	Convergence analysis of a proximal Gauss-Newton method. Computational Optimization and Applications, 2012, 53, 557-589.	0.9	18
21	Consistency of learning algorithms using Attouch's Wets convergence. Optimization, 2012, 61, 287-305.	1.0	2
22	A consistent algorithm to solve Lasso, elastic-net and Tikhonov regularization. Journal of Complexity, 2011, 27, 188-200.	0.7	8
23	Elastic-Net Regularization: Iterative Algorithms and Asymptotic Behavior of Solutions. Numerical Functional Analysis and Optimization, 2010, 31, 1406-1432.	0.6	4
24	Solving Structured Sparsity Regularization with Proximal Methods. Lecture Notes in Computer Science, 2010, , 418-433.	1.0	45
25	Incentive compatibility in kidney exchange problems. Health Care Management Science, 2009, 12, 351-362.	1.5	5
26	On the Regularization of Sliding Modes. SIAM Journal on Optimization, 2007, 18, 878-894.	1.2	13
27	Well-posedness of Nonconvex Integral Functionals. SIAM Journal on Control and Optimization, 2004, 43, 1298-1312.	1.1	1