

Juan Peypouquet

List of Publications by Year in descending order

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papers

1,158
citations

516215

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552369

26
g-index

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all docs

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docs citations

34
times ranked

536
citing authors

#	ARTICLE	IF	CITATIONS
1	The Rate of Convergence of Nesterov's Accelerated Forward-Backward Method is Actually Faster Than $1/k^2$. SIAM Journal on Optimization, 2016, 26, 1824-1834.	1.2	167
2	Fast convergence of inertial dynamics and algorithms with asymptotic vanishing viscosity. Mathematical Programming, 2018, 168, 123-175.	1.6	136
3	From error bounds to the complexity of first-order descent methods for convex functions. Mathematical Programming, 2017, 165, 471-507.	1.6	121
4	A Dynamical Approach to an Inertial Forward-Backward Algorithm for Convex Minimization. SIAM Journal on Optimization, 2014, 24, 232-256.	1.2	114
5	Splitting Methods with Variable Metric for Kurdyka-Łojasiewicz Functions and General Convergence Rates. Journal of Optimization Theory and Applications, 2015, 165, 874-900.	0.8	109
6	Convex Optimization in Normed Spaces. SpringerBriefs in Optimization, 2015, , .	0.3	68
7	Fast convex optimization via inertial dynamics with Hessian driven damping. Journal of Differential Equations, 2016, 261, 5734-5783.	1.1	67
8	Aggregation heuristic for the open-pit block scheduling problem. European Journal of Operational Research, 2016, 249, 1169-1177.	3.5	49
9	Convergence of inertial dynamics and proximal algorithms governed by maximally monotone operators. Mathematical Programming, 2019, 174, 391-432.	1.6	45
10	Coupling Forward-Backward with Penalty Schemes and Parallel Splitting for Constrained Variational Inequalities. SIAM Journal on Optimization, 2011, 21, 1251-1274.	1.2	44
11	Prox-Penalization and Splitting Methods for Constrained Variational Problems. SIAM Journal on Optimization, 2011, 21, 149-173.	1.2	38
12	Strong asymptotic convergence of evolution equations governed by maximal monotone operators with Tikhonov regularization. Journal of Differential Equations, 2008, 245, 3753-3763.	1.1	33
13	Backward-“forward algorithms for structured monotone inclusions in Hilbert spaces. Journal of Mathematical Analysis and Applications, 2018, 457, 1095-1117.	0.5	33
14	Alternating proximal algorithms for linearly constrained variational inequalities: Application to domain decomposition for PDEs. Nonlinear Analysis: Theory, Methods & Applications, 2011, 74, 7455-7473.	0.6	30
15	Coupling the Gradient Method with a General Exterior Penalization Scheme for Convex Minimization. Journal of Optimization Theory and Applications, 2012, 153, 123-138.	0.8	20
16	Forward-“Backward Penalty Scheme for Constrained Convex Minimization Without Inf-Compactness. Journal of Optimization Theory and Applications, 2013, 158, 787-795.	0.8	19
17	Asymptotic almost-equivalence of Lipschitz evolution systems in Banach spaces. Nonlinear Analysis: Theory, Methods & Applications, 2010, 73, 3018-3033.	0.6	12
18	Asymptotic equivalence and Kobayashi-type estimates for nonautonomous monotone operators in Banach spaces. Discrete and Continuous Dynamical Systems, 2009, 25, 1109-1128.	0.5	11

#	ARTICLE	IF	CITATIONS
19	Existence, stability and optimality for optimal control problems governed by maximal monotone operators. <i>Journal of Differential Equations</i> , 2016, 260, 733-757.	1.1	10
20	A unified approach to the asymptotic almost-equivalence of evolution systems without Lipschitz conditions. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2011, 74, 3440-3444.	0.6	8
21	Alternating forward–backward splitting for linearly constrained optimization problems. <i>Optimization Letters</i> , 2020, 14, 1071-1088.	0.9	6
22	Lagrangian-Penalization Algorithm for Constrained Optimization and Variational Inequalities. <i>Set-Valued and Variational Analysis</i> , 2012, 20, 169-185.	0.5	5
23	Lagrangian Penalization Scheme with Parallel Forward–Backward Splitting. <i>Journal of Optimization Theory and Applications</i> , 2018, 177, 413-447.	0.8	5
24	Optimal control of parabolic equations by spectral decomposition. <i>Optimization</i> , 2017, 66, 1359-1381.	1.0	3
25	Asymptotic Equivalence of Evolution Equations Governed by Cocoercive Operators and Their Forward Discretizations. <i>Journal of Optimization Theory and Applications</i> , 2019, 182, 30-48.	0.8	2
26	Convergence Rate of Proximal Inertial Algorithms Associated with Moreau Envelopes of Convex Functions. , 2019, , 1-44.		2
27	Monotonicity beyond Minty and Kato on locally convex spaces. <i>Journal of Mathematical Analysis and Applications</i> , 2016, 435, 1701-1709.	0.5	0
28	Forward-backward approximation of nonlinear semigroups in finite and infinite horizon. <i>Communications on Pure and Applied Analysis</i> , 2021, 20, 1893.	0.4	0
29	Problem-Solving Strategies. <i>SpringerBriefs in Optimization</i> , 2015, , 81-91.	0.3	0
30	Basic Functional Analysis. <i>SpringerBriefs in Optimization</i> , 2015, , 1-23.	0.3	0