Juan Peypouquet

List of Publications by Year
in descending order

30	1,158	516215	552369
papers	citations	16	26
		h-index	g-index

34	34	34	536
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Forward-backward approximation of nonlinear semigroups in finite and infinite horizon. Communications on Pure and Applied Analysis, 2021, 20, 1893.	0.4	0
2	Alternating forward–backward splitting for linearly constrained optimization problems. Optimization Letters, 2020, 14, 1071-1088.	0.9	6
3	Asymptotic Equivalence of Evolution Equations Governed by Cocoercive Operators and Their Forward Discretizations. Journal of Optimization Theory and Applications, 2019, 182, 30-48.	0.8	2
4	Convergence of inertial dynamics and proximal algorithms governed by maximally monotone operators. Mathematical Programming, 2019, 174, 391-432.	1.6	45
5	Convergence Rate of Proximal Inertial Algorithms Associated with Moreau Envelopes of Convex Functions. , 2019, , 1-44.		2
6	Lagrangian Penalization Scheme with Parallel Forward–Backward Splitting. Journal of Optimization Theory and Applications, 2018, 177, 413-447.	0.8	5
7	Backward–forward algorithms for structured monotone inclusions in Hilbert spaces. Journal of Mathematical Analysis and Applications, 2018, 457, 1095-1117.	0.5	33
8	Fast convergence of inertial dynamics and algorithms with asymptotic vanishing viscosity. Mathematical Programming, 2018, 168, 123-175.	1.6	136
9	Optimal control of parabolic equations by spectral decomposition. Optimization, 2017, 66, 1359-1381.	1.0	3
10	From error bounds to the complexity of first-order descent methods for convex functions. Mathematical Programming, 2017, 165, 471-507.	1.6	121
11	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
12	Fast convex optimization via inertial dynamics with Hessian driven damping. Journal of Differential Equations, 2016, 261, 5734-5783.	1.1	67
13	Aggregation heuristic for the open-pit block scheduling problem. European Journal of Operational Research, 2016, 249, 1169-1177.	3.5	49
14	Monotonicity beyond Minty and Kato on locally convex spaces. Journal of Mathematical Analysis and Applications, 2016, 435, 1701-1709.	0.5	0
15	Existence, stability and optimality for optimal control problems governed by maximal monotone operators. Journal of Differential Equations, 2016, 260, 733-757.	1.1	10
16	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
17	Convex Optimization in Normed Spaces. SpringerBriefs in Optimization, 2015, , .	0.3	68
18	Problem-Solving Strategies. SpringerBriefs in Optimization, 2015, , 81-91.	0.3	0

#	Article	IF	Citations
19	Basic Functional Analysis. SpringerBriefs in Optimization, 2015, , 1-23.	0.3	0
20	A Dynamical Approach to an Inertial Forward-Backward Algorithm for Convex Minimization. SIAM Journal on Optimization, 2014, 24, 232-256.	1.2	114
21	Forward–Backward Penalty Scheme for Constrained Convex Minimization Without Inf-Compactness. Journal of Optimization Theory and Applications, 2013, 158, 787-795.	0.8	19
22	Lagrangian-Penalization Algorithm for Constrained Optimization and Variational Inequalities. Set-Valued and Variational Analysis, 2012, 20, 169-185.	0.5	5
23	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
24	Coupling Forward-Backward with Penalty Schemes and Parallel Splitting for Constrained Variational Inequalities. SIAM Journal on Optimization, 2011, 21, 1251-1274.	1.2	44
25	Prox-Penalization and Splitting Methods for Constrained Variational Problems. SIAM Journal on Optimization, 2011, 21, 149-173.	1.2	38
26	Alternating proximal algorithms for linearly constrained variational inequalities: Application to domain decomposition for PDE's. Nonlinear Analysis: Theory, Methods & Applications, 2011, 74, 7455-7473.	0.6	30
27	A unified approach to the asymptotic almost-equivalence of evolution systems without Lipschitz conditions. Nonlinear Analysis: Theory, Methods & Applications, 2011, 74, 3440-3444.	0.6	8
28	Asymptotic almost-equivalence of Lipschitz evolution systems in Banach spaces. Nonlinear Analysis: Theory, Methods & Applications, 2010, 73, 3018-3033.	0.6	12
29	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
30	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