

Patrick Mehlitz

List of Publications by Year in descending order

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37
papers

325
citations

840119

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38
all docs

38
docs citations

38
times ranked

78
citing authors

#	ARTICLE	IF	CITATIONS
1	Weak and strong stationarity in generalized bilevel programming and bilevel optimal control. Optimization, 2016, 65, 907-935.	1.0	23
2	Stationarity conditions and constraint qualifications for mathematical programs with switching constraints. Mathematical Programming, 2020, 181, 149-186.	1.6	22
3	Bilevel Optimal Control With Final-State-Dependent Finite-Dimensional Lower Level. SIAM Journal on Optimization, 2016, 26, 718-752.	1.2	20
4	The Limiting Normal Cone to Pointwise Defined Sets in Lebesgue Spaces. Set-Valued and Variational Analysis, 2018, 26, 449-467.	0.5	20
5	Semivectorial bilevel programming versus scalar bilevel programming. Optimization, 2020, 69, 657-679.	1.0	18
6	On the linear independence constraint qualification in disjunctive programming. Optimization, 2020, 69, 2241-2277.	1.0	17
7	Bilevel Optimal Control Problems with Pure State Constraints and Finite-dimensional Lower Level. SIAM Journal on Optimization, 2016, 26, 564-588.	1.2	16
8	Relaxation schemes for mathematical programmes with switching constraints. Optimization Methods and Software, 2019, , 1-36.	1.6	16
9	Solving inverse optimal control problems via value functions to global optimality. Journal of Global Optimization, 2019, 74, 297-325.	1.1	15
10	A note on partial calmness for bilevel optimization problems with linearly structured lower level. Optimization Letters, 2021, 15, 1277-1291.	0.9	14
11	New Constraint Qualifications for Optimization Problems in Banach Spaces Based on Asymptotic KKT Conditions. SIAM Journal on Optimization, 2020, 30, 2956-2982.	1.2	13
12	Asymptotic stationarity and regularity for nonsmooth optimization problems. Journal of Nonsmooth Analysis and Optimization, 2020, Volume 1, .	0.2	12
13	Optimality conditions for the simple convex bilevel programming problem in Banach spaces. Optimization, 2018, 67, 237-268.	1.0	11
14	On the Sequential Normal Compactness Condition and its Restrictiveness in Selected Function Spaces. Set-Valued and Variational Analysis, 2019, 27, 763-782.	0.5	9
15	Optimal control problems with control complementarity constraints: existence results, optimality conditions, and a penalty method. Optimization Methods and Software, 2020, 35, 142-170.	1.6	9
16	The Natural Gas Cash-Out Problem: A Bilevel Optimal Control Approach. Mathematical Problems in Engineering, 2015, 2015, 1-17.	0.6	8
17	Necessary optimality conditions for a special class of bilevel programming problems with unique lower level solution. Optimization, 2017, 66, 1533-1562.	1.0	8
18	The Weak Sequential Closure of Decomposable Sets in Lebesgue Spaces and its Application to Variational Geometry. Set-Valued and Variational Analysis, 2019, 27, 265-294.	0.5	8

#	ARTICLE	IF	CITATIONS
19	Lipschitz continuity of the optimal value function in parametric optimization. <i>Journal of Global Optimization</i> , 2015, 61, 363-377.	1.1	7
20	Optimal control in first-order Sobolev spaces with inequality constraints. <i>Computational Optimization and Applications</i> , 2019, 72, 797-826.	0.9	6
21	A comparison of solution approaches for the numerical treatment of or-constrained optimization problems. <i>Computational Optimization and Applications</i> , 2020, 76, 233-275.	0.9	6
22	Bilevel programming problems with simple convex lower level. <i>Optimization</i> , 2016, 65, 1203-1227.	1.0	5
23	Optimality conditions for mixed discrete bilevel optimization problems. <i>Optimization</i> , 2018, 67, 737-756.	1.0	5
24	Reformulation of the M-Stationarity Conditions as a System of Discontinuous Equations and Its Solution by a Semismooth Newton Method. <i>SIAM Journal on Optimization</i> , 2021, 31, 1459-1488.	1.2	5
25	Optimal Control Problems with Terminal Complementarity Constraints. <i>SIAM Journal on Optimization</i> , 2018, 28, 3079-3104.	1.2	4
26	Optimality Conditions for Special Semidefinite Bilevel Optimization Problems. <i>SIAM Journal on Optimization</i> , 2018, 28, 1564-1587.	1.2	4
27	R-Regularity of Set-Valued Mappings Under the Relaxed Constant Positive Linear Dependence Constraint Qualification with Applications to Parametric and Bilevel Optimization. <i>Set-Valued and Variational Analysis</i> , 2022, 30, 179-205.	0.5	4
28	On implicit variables in optimization theory. <i>Journal of Nonsmooth Analysis and Optimization</i> , 2021, Volume 2, .	0.2	4
29	Bilevel Optimal Control: Existence Results and Stationarity Conditions. <i>Springer Optimization and Its Applications</i> , 2020, , 451-484.	0.6	4
30	Sufficient Optimality Conditions in Bilevel Programming. <i>Mathematics of Operations Research</i> , 2021, 46, 1573-1598.	0.8	3
31	Calmness and Calculus: Two Basic Patterns. <i>Set-Valued and Variational Analysis</i> , 0, , 1.	0.5	3
32	Asymptotic regularity for Lipschitzian nonlinear optimization problems with applications to complementarity constrained and bilevel programming*. <i>Optimization</i> , 0, , 1-44.	1.0	3
33	Subdifferentiation of Nonconvex Sparsity-Promoting Functionals on Lebesgue Spaces. <i>SIAM Journal on Control and Optimization</i> , 2022, 60, 1819-1839.	1.1	2
34	Solving optimal control problems with terminal complementarity constraints via Scholtes's™ relaxation scheme. <i>Computational Optimization and Applications</i> , 2019, 72, 413-430.	0.9	1
35	A penalization scheme for the numerical solution of optimal control problems with control complementarity constraints. <i>Proceedings in Applied Mathematics and Mechanics</i> , 2019, 19, e201900122.	0.2	0
36	On an optimal control problem with gradient constraints. <i>Optimization</i> , 2020, 69, 519-551.	1.0	0

#	ARTICLE	IF	CITATIONS
37	Coupled versus decoupled penalization of control complementarity constraints. ESAIM - Control, Optimisation and Calculus of Variations, 2021, 27, 45.	0.7	0